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Core-Curriculum

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Core Program

William C. Kirby, Edith and Benjamin Geisinger Professor of History and Dean of the Faculty of Arts and Sciences (*Chair*)

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*)

Peter J. Burgard, Professor of German

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics, Dean of Undergraduate Education

Robert P. Kirshner, Clowes Professor of Science

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature

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

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

Foreign Cultures

Foreign Cultures 12. Sources of Indian Civilization

Catalog Number: 8312

Diana L. Eck

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

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

Note: Expected to be omitted in 2003–04.

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

Catalog Number: 8705

Nur Yalman

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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 6597

Luis Fernández-Cifuentes

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



12

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

Note: Expected to be omitted in 2003–04. Conducted in Spanish. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts A, but not both.

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 omitted in 2003–04. Conducted in French.

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

Catalog Number: 0656

Marlies Mueller

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

4

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

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

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

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

Catalog Number: 0591

Marlies Mueller

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

GROUP: 4

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



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

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

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

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

Catalog Number: 0580

Peter J. Burgard

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

Examines literary, philosophical, religious, and political movements of the period 1500–1775, from the Reformation to the Enlightenment. Analysis of texts from that time and consideration of their literary reception in the 20th century.

Note: Expected to be given in 2003–04. Readings in German, discussions in German and English.

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

[Foreign Cultures 32. Jugend gegen Hitler]

Catalog Number: 5463

Judith Ryan

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

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

Note: Expected to be given in 2003–04. Reading and discussion entirely in German; papers and exams in English.

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

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

Catalog Number: 4455

Stanley Hoffmann

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

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

Note: Expected to be given in 2003–04. Lectures and sections in French; readings in French and English.

Foreign Cultures 34. Mesoamerican Civilizations

Catalog Number: 3196



David L. Carrasco and David S. Stuart

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

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

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

Catalog Number: 6357

Orlando Patterson

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

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

Note: Expected to be given in 2003–04.

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 in order to pinpoint Mao's aims and to explore the deeper political, social, economic, and cultural issues that his actions raised for the Chinese, and for the rest of us as well.

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

[Foreign Cultures 56. Jewish Life in Eastern Europe]

Catalog Number: 1271

Jay M. Harris

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

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



and the confrontation between traditional and newer cultural patterns.

Note: Expected to be given in 2003–04.

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

Catalog Number: 1976

Hue-Tam Ho Tai

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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 2628 Enrollment: Limited to 216.

James L. Watson

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

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

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

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

Catalog Number: 9028

Stephen Owen

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

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

Note: Expected to be given in 2003–04. 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 (fall term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

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

Note: Expected to be omitted in 2003–04.

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

Catalog Number: 5581

Svetlana Boym

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

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

Note: Expected to be given in 2003–04.

[Foreign Cultures 74. Cultures of Southern Europe]

Catalog Number: 0603

Michael Herzfeld

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

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

Note: Expected to be given in 2003–04.

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

Note: Expected to be omitted in 2003–04. 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 omitted in 2003–04.

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

Note: Expected to be omitted in 2003–04.

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

Catalog Number: 2619

William E. Granara

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

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



Choukri, as well as prominent women authors, such as Hanan Shaykh and Sahar Khalifeh.

Note: Expected to be omitted in 2003–04. 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-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 courses fully listed in the Historical Study B area of the Core Curriculum may be taken to meet the Core requirement in Foreign Cultures or in Historical Study B, but not both.

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

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

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

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

Literature and Arts C-49. Cultural China in Contemporary Perspectives

[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

Stephen Rosen and Andrew Moravcsik

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

EXAM GROUP: 3

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

Historical Study A-13. China: Traditions and Transformations

Catalog Number: 5243

Michael James Puett and Philip A. Kuhn

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

Andrew Gordon and Mikael Adolphson

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

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

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

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

Catalog Number: 8301

Devesh Kapur

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

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

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

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

Catalog Number: 9058

Sugata Bose

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

This course provides the historical depth and the comparative context in which to understand contemporary South Asia through an historical inquiry into the making and multiple meanings of modernity. It covers the history, culture, and political economy of the subcontinent from 1526 to



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

Historical Study A-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 omitted in 2003–04.

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 United States, to the extent that doing so contributes to understanding these three contemporary problems.

Note: Expected to be omitted in 2003–04. 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 omitted in 2003–04.

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

Catalog Number: 1552

Allan M. Brandt

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

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

Evaluates the role of medicine in addressing social needs as well as the social and economic determinants of patterns of health and disease.

Note: Expected to be given in 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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 5423

Cemal Kafadar

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

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



cultural categories and of their legacy in the modern world.

Note: Expected to be given in 2003–04.

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

Catalog Number: 9323

Jay M. Harris

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

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

Note: Expected to be given in 2003–04.

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 2003–04. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.



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

Catalog Number: 1845

E. Roger Owen

Half course (spring 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-70. International History]

Catalog Number: 2517

Akira Iriye

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

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

Note: Expected to be given 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 omitted in 2003–04.

[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 2003–04. 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.

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

Catalog Number: 3594

David Blackbourn

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

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

Note: Expected to be given in 2003–04.

Historical Study A-79. The Modern Police State

Catalog Number: 3282

Terry D. Martin

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

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

Note: Expected to be omitted in 2003–04.



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 omitted in 2003–04.

[Historical Study A-82. Gender, Race, and Nationhood in 20th Century U.S. History]

Catalog Number: 9829

Ruth Feldstein

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

This course investigates the centrality of gender, sexuality, and race to American political life and to meanings of American national identity more generally. Drawing on sources including legislation, novels and films, and historical scholarship, students will consider how race, gender, and sexuality have shaped dominant political ideologies and policies, as well as resistant political movements.

Note: Expected to be given in 2003–04.

Departmental courses that satisfy the Historical Study A requirement

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

[Afro-American Studies 10. Introduction to Afro-American Studies](#)

[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 B.C., 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 omitted in 2003–04.



Historical Study B-04. Ancient Greek Democracy

Catalog Number: 6791

Eric W. Robinson

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

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

Note: Expected to be omitted in 2003–04.

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 omitted in 2003–04.

Historical Study B-09. The Christian Revolution

Catalog Number: 6389

Christopher P. Jones

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

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

Note: Expected to be omitted in 2003–04.

Historical Study B-11. The Crusades

Catalog Number: 0434

Angeliki E. Laiou

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

Examines the decision to launch the First Crusade (1095); Pope Urban II’s motivations; the condition of the church in the Western world and the development of the idea of holy war.



Studies the consequences of the First Crusade; expansion of Western Europeans into the Eastern Mediterranean and the Balkans; the development of the crusading movement through the Fourth Crusade (1204); and the permanent transformation of East-West relations resulting from the conflict and coexistence of various peoples whom the Crusades brought together. Considers the relations among political, economic, and religious factors and the consequences in cultural and material spheres. Readings focus on sources in translation.

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

Catalog Number: 2567

Michael McCormick

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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 5680

Jane E. Mangan

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

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, exerting dominion over others, the denunciation of native religions, cultural and economic exchange, and the campaigns of resistance by subject peoples.

Note: Expected to be given in 2003–04.

[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. A.D. 1050–1250) of tribal societies in which exploitative lordship was the typical mode of power into political societies in which power was redefined in administrative and proto-bureaucratic ways and redistributed among social groups or classes



claiming rights as such. Problems for explanation and discussion include the Investiture Struggle, social conflict in Catalonia and Flanders, new procedures in law and finance, the crisis of Magna Carta, and the origins of parliamentary representation and consent. Readings in primary sources, modern historians, and social anthropologists.

Note: Expected to be given in 2003–04.

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 seven major areas: (1) the “causes” of the Reformation; (2) its inception and development in representative cities and lands; (3) competing theologies and social philosophies; (4) the variety of linguistic and visual propaganda; (5) the impact on contemporary society and culture; (6) the Catholic response; (7) the Reformation’s legacy to the modern world.

Note: Expected to be omitted in 2003–04.

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

Catalog Number: 4631

James Hankins

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

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

Note: Expected to be given in 2003–04. 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 twentieth century.

Note: Expected to be omitted in 2003–04.



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

Catalog Number: 0525

Patrice Higonnet

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

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

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

Catalog Number: 2264

Laurel Thatcher Ulrich

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

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

Note: Expected to be 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 omitted in 2003–04.

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

Catalog Number: 3386

William E. Gienapp

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

An examination of the experiences of both the North and the South during the Civil War and the



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

Note: Expected to be given in 2003–04.

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 eighteenth century through the May 4th Movement of 1919.

Note: Expected to be omitted in 2003–04.

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

Catalog Number: 3834

Emmanuel K. Akyeampong

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

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

Note: Expected to be omitted in 2003–04.

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

Catalog Number: 4388

Charles S. Maier

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

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



the static trench combat; transformation of the state; demographic effects; literary perception and political radicalization of Left and Right; postwar bitterness and disillusion.

Note: Expected to be given in 2003–04.

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

Catalog Number: 6497

Charles S. Maier

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

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

Note: Expected to be omitted in 2003–04.

[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 2003–04.

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

Catalog Number: 6756

Susan Pedersen and T. Robert Travers

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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 5393

Stanley Hoffmann

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



16, 17

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

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

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

Catalog Number: 6840

Morton J. Horwitz (Law School)

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

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

Note: Expected to be 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 U.S.-Cuban conflict, the alliance with the Soviet Union, the choice of economic strategy, the “remaking of human beings,” the role of intellectuals, the support for revolutions in Africa and Latin America, and the change toward “orthodox” policies. The instructor will debate himself, presenting two or more views on each issue. Readings include original documents in translation.

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

Historical Study B-67. Japan's Modern Revolution

Catalog Number: 4164

Daniel V. Botsman

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

Examines the causes and consequences of one of the most important events in modern world



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

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

Catalog Number: 3447

Hue-Tam Ho Tai and Ernest R. May

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

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

Note: Expected to be omitted in 2003–04.

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

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

Note: Expected to be omitted in 2003–04.

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.

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 omitted in 2003–04.

[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 (spring 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 omitted in 2003–04.



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

Catalog Number: 0172

Bennett Simon (Medical School)

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

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

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

Catalog Number: 0176

Marjorie Garber

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

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

Note: Expected to be given in 2003–04.

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 omitted in 2003–04.

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

Catalog Number: 1250

Ruth R. Wisse

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

Studies works in different languages and genres that variously interpret the experience of Jews in 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 given in 2003–04.

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

Catalog Number: 0287



Werner Sollors

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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 1093

William Mills Todd III

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

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

Note: Expected to be given in 2003–04.

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

Despite the dominance of men as authors, subjects, and readers of literature in imperial China (221 B.C.E.–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 omitted in 2003–04.

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

Catalog Number: 4783

Lawrence Buell

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

A study of selected traditions in American writing that have been formed by perceptions of the American environment. Topics include the cult of wilderness; white images of the American Indian and vice versa; the pastoral, agrarian, and natural history traditions in American prose; and literary responses to urbanization and environmental endangerment. Readings range from 17th-century Puritan texts to contemporary works, with primary emphasis on narrative and



nonfictional prose, but some works of poetry are included as well.

Note: Expected to be given in 2003–04.

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

Catalog Number: 3957

Patrick K. Ford

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

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

Note: Expected to be omitted in 2003–04.

[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 2003–04.

[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.

Note: Expected to be given in 2003–04.

Literature and Arts A-76. Five Japanese Portraits

Catalog Number: 8909

Jay Rubin

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

Exploring a broad variety of modern novels and stories in addition to plays, poems, and chronicles from earlier ages, the course will present five archetypal “portraits” developed in the medieval Noh theater—god, man, woman, lunatic, and demon—and trace their variations in texts and films treating themes of celebration, war, memory, madness, and awe.


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

Catalog Number: 7919

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

Examines the heroic legacy resulting from the historical events in northern Europe A.D. 800–1100, 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 given in 2003–04.
[Literature and Arts A-80. To Far Places: Literature of Journey and Quest]

Catalog Number: 9297

William A. Graham, Jr.
Half course (spring term). Hours to be arranged.

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

Note: Expected to be given in 2003–04.
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. British Romantic Poetry](#)
[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). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

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.

Note: Expected to be given in 2003–04.

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 omitted in 2003–04.

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

Catalog Number: 2267

David Gordon Mitten

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

The images of Alexander the Great are examined within various cultural contexts ranging from 4th-century B.C.E. Greece to 20th-century America. Various art forms (including sculpture, coins, and paintings) illuminate Alexander's personality and career and the development of his legend. Course explores how images reveal the complex relationship between a strong individual personality and artistic conventions. Special attention is paid to the importance of political imagery and how the images of Alexander reflect changing ideas of rulership. Where, if anywhere, is the "truth" in these images? Original objects in the Sackler collection and Boston Museum of Fine Arts are emphasized.



Literature and Arts B-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 omitted in 2003–04.

[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 2003–04.

[Literature and Arts B-31. The Portrait]

Catalog Number: 4240

Henri Zerner

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

The most famous of all works of art is a portrait. Sculptors and painters have made likenesses of individuals since the ancient Kingdom of Egypt. The portrait gives visual form to changing conceptions of individual existence, and its history can make us more conscious of how time-bound, how culturally determined is our own sense of self. The course examines how artistic conventions are established to give visual and tangible form to intuitions, feelings, and thoughts. Examples taken from a variety of periods with greater emphasis on the Western tradition from the Renaissance to the present. *Note:* Expected to be given in 2003–04.

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, with focus on architecture, miniature painting, and the decorative arts. The urban transformation of Byzantine Constantinople into Ottoman Istanbul, the formation of an imperial architectural style, and artistic contacts with contemporary European and Islamic courts are stressed. Art and architecture of Safavid Iran and Mughal India are considered as a comparative backdrop. Themes include the role of centralized court ateliers in propagating canons of taste, the emphasis on decorative arts in a culture that rejected monumental sculpture and painting, and representations of the East by European artists in the Orientalist mode.

Note: Expected to be omitted in 2003–04.

Literature and Arts B-43. The Gothic Cathedral

Catalog Number: 1561

Jeffrey F. Hamburger

Half course (spring 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 omitted in 2003–04.

[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 2003–04.

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). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15
 Genghis Khan’s legacy entailed the destruction of social and cultural order. Paradoxically, his



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

Literature and Arts B-48. Chinese Imaginary Space

Catalog Number: 9186

Eugene Wang

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

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

Note: Expected to be omitted in 2003–04.

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 omitted in 2003–04.



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

Catalog Number: 1520

Christoph Wolff

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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 7707

Reinhold Brinkmann

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

Nineteenth-century symphonies are works of extraordinary dimensions and complexity. The "symphonic intent" has always been to present in music the main ideas and concerns of people and society. Mahler: "To me, symphony means constructing a world with all technical means at one's disposal." Focus: the "social character" of symphonies; their function as "building society," public dimension and institutional aspects, the role of the orchestra; in particular, to understand important and challenging works by Mozart, Beethoven, Schubert, Berlioz, Brahms, Tchaikovsky, Dvorák, Mahler, and Ives.

Note: Expected to be omitted in 2003–04.

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 omitted in 2003–04.

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.

Literature and Arts C

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

Catalog Number: 3915

Gregory Nagy

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

Note: Expected to be omitted in 2003–04.

[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 2003–04. For students under the Core requirement, counts as either Literature and Arts C or Foreign Cultures, but not both.

[Literature and Arts C-20. The Hero of Irish Myth and Saga]

Catalog Number: 7817

Tomás Ó Cathasaigh

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

A study of the ways in which the hero is represented in early Irish sources, especially in the saga literature. The texts reflect the ideology and concerns of a society which had been converted to Christianity, but continued to draw on its Indo-European and Celtic heritage. The biographies of the Ulster hero, Cú Chulainn, of his divine father, Lug, and of certain king-heroes are studied in depth. The wisdom literature, and archaeological and historical evidence will be taken into



account.

Note: Expected to be given in 2003–04.

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

Catalog Number: 2020

Jan Ziolkowski

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

GROUP: 6

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

Note: Expected to be given in 2003–04.

[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 given in 2003–04.

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

Catalog Number: 2798

Michael S. Flier

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

4

An introduction to the culture of the medieval East Slavs, precursors of the Russians, Ukrainians, and Belarusians. The course examines icon and fresco painting, architecture, ritual, music, folklore, and literature in historical and social context for clues to the evolution of an apocalyptic worldview, extending from the Christianization of Rus' in the 10th century, through the reign of Ivan the Terrible, to the advent of Peter the Great at the end of the 17th century.

Note: Expected to be omitted in 2003–04. 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 omitted in 2003–04. No knowledge of Russian required.

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

Catalog Number: 1255

James L. Kugel

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

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

Note: Expected to be omitted in 2003–04.

[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 2003–04. For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

Literature and Arts C-42. Constructing the Samurai

Catalog Number: 3743

Harold Bolitho

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

Examines the rise and fall of Japan's warrior class and of the *bushido* ethos. Concentrates on two interrelated themes: the historical reality and the construction of a mythology—both positive and negative—in Japanese popular culture and the Western imagination. Themes will include warfare, training, religion, values, art, literature, and family life. Visual materials will be used extensively.

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



Literature and Arts C-43. The Medieval Court

Catalog Number: 5794

Eckehard Simon

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

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

Literature and Arts C-49. Cultural China in Contemporary Perspectives

Catalog Number: 0122

Leo Ou-Fan Lee

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

An exploration of new forms of cultural creativity in the rapidly changing contexts of Chinese-speaking territories of mainland China, Taiwan, Hong Kong, and the Chinese-American communities during the second half of the 20th century. Primary sources are drawn largely from the novels, poetry, and films produced recently. The course is not a narrative history of 20th-century China, but a critical investigation of some crucial issues facing the Chinese as represented by intellectuals, writers, and artists. An interdisciplinary approach by design, the course includes elements of intellectual history, social change, and the popular media.

Note: Expected to be omitted in 2003–04. Readings in translation. For students under the Core requirement, counts as either Literature and Arts C or Foreign Cultures, but not both.

[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 given in 2003–04. 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 2003–04.

Literature and Arts C-61. The Rome of Augustus

Catalog Number: 1101

R. J. Tarrant

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

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

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

Literature and Arts C-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 omitted in 2003–04. No knowledge of German required.

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

Catalog Number: 9369

Judith Ryan

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

Representations of German colonialism in fiction and film. Consideration of the following topics: Bismarck's colonial policies, late 19th-century critiques of colonialism, controversies about the notion of the noble colonist, turn-of-the-century legal debates, National Socialism and its attempts to revive the idea of German colonialism, recent critiques of German colonialism.

Note: Expected to be given in 2003–04.



Literature and Arts C-69. Pompeii

Catalog Number: 8499

Rabun Taylor

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

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

Note: Expected to be omitted in 2003–04.

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 17. Democracy and Inequality]

Catalog Number: 6085

Harvey C. Mansfield

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



In what ways are we equal, in what ways unequal or different? Which are more essential? How much should moral reasoning be guided by our equality, how much by inequality? Can democracy do justice to both? These questions are considered and answered by reading Plato's *Republic*, Hobbes' *Leviathan*, and Tocqueville's *Democracy in America*: three beautiful books presenting the best argument for aristocracy, the most realistic basis for equality, and the best analysis of democracy.

Note: Expected to be given in 2003–04.

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.

Moral Reasoning 28. Ethics and International Relations

Catalog Number: 0642

Stanley Hoffmann and J. Bryan Hehir (Divinity School)

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 omitted in 2003–04.

Moral Reasoning 32. Reason and Evaluation

Catalog Number: 5909

Thomas M. Scanlon, Jr.

Half course (spring 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 omitted in 2003–04.



[Moral Reasoning 33. Issues in Ethics]

Catalog Number: 2255

Thomas M. Scanlon, Jr.

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

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

Note: Expected to be given in 2004–05.

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

Catalog Number: 0466

Wei-Ming Tu

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

Explores a style of moral reasoning informed by Confucian humanism, which takes self-cultivation as the basis for the development of a moral community. Focuses on the perception of the self as a center of relationships and the conviction that society ought to be a community of trust. Although our main concern is to understand Confucian ethics as a form of “virtue-centered” morality, attention is also given to a critical analysis of the limits of Confucian ethics in light of contemporary discussions of such issues as human rights and political authority.

Note: Expected to be given in 2003–04.

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.

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; W., at 1; W., at 1; W., at 4, and a weekly section to be arranged. EXAM GROUP: 5

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



students engage the literature as they confront the basic question, why might one think “if there is no God, all is permitted”? and why one might think if there is a God, human moral achievement is impossible.

Note: Expected to be omitted in 2003–04.

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

Catalog Number: 6507

Richard Moran

Half course (fall term). M., W., (F.), at 2, and a weekly section to be arranged. EXAM GROUP: 7

How is human freedom possible? Does acting freely mean acting in accordance with reasons or acting arbitrarily, or neither? Are values chosen, discovered, or invented? How is self-knowledge possible and how is it different from the knowledge of others? Specific issues to be discussed include: self-deception and bad faith; the nature of freedom and autonomy; subjectivity and our relation to others; rationality and irrationality. Readings, which will provide an introduction to a few of the major texts of Existentialism, will be drawn from Kant, Sartre, Dostoevsky, and various contemporary writers.

Note: Expected to be given in 2003–04.

[Moral Reasoning 58. Slavery in Western Political Thought]

Catalog Number: 8892

Richard Tuck

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

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

Note: Expected to be given in 2003–04.

Moral Reasoning 60. Reason and Morality

Catalog Number: 9557

Melissa Barry

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

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

Note: Expected to be omitted in 2003–04.



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

Catalog Number: 7803

Russell Muirhead

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

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

Note: Expected to be given in 2003–04.

[Moral Reasoning 66. Moral Reasoning About Social Protest]

Catalog Number: 7778

Susanna Siegel

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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 1631

Nancy Lipton Rosenblum

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

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

[Moral Reasoning 70. Rights]

Catalog Number: 6413

Sharon R. Krause

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

This course investigates the meaning and moral significance of rights in contemporary liberal societies and considers how a rights-based ethic affects our broader understanding of morality and political life. We shall compare different philosophical justifications for rights within the



tradition of classical liberalism; examine several classical and contemporary critiques of rights; and engage in current debates in ethics and politics as to the scope, content, and application of rights in the United States and in the international context. Readings are drawn from classical and contemporary thinkers in moral and political philosophy.

Note: Expected to be given in 2003–04.

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 Enrollment: Limited to 60.

William H. Bossert

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

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

Richard G. Heck, Jr.

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

The concepts and principles of symbolic logic: valid and invalid arguments, logical relations of statements and their basis in structural features of those statements, the analysis of complex



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

Quantitative Reasoning 24. Health Economics

Catalog Number: 4667

David M. Cutler

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

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

Quantitative Reasoning 26. Decisions, Games, and Negotiation

Catalog Number: 4123

Daniel L. Goroff and Howard Raiffa (Business School)

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

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

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

Quantitative Reasoning 28. The Magic of Numbers

Catalog Number: 4764

Benedict H. Gross and Joseph D. Harris

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

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



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

Quantitative Reasoning 32. Uncertainty and Statistical Reasoning

Catalog Number: 2228

Carl N. Morris

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

GROUP: 12, 13

Individuals continually must make decisions under uncertainty in their personal and in their professional lives. This course develops probability as the appropriate language for describing uncertainty, and it shows how statistical data and planned studies can be crucial when evaluating probabilities and associated risks. 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 2003–04.

Quantitative Reasoning 36. Statistics and Public Policy

Catalog Number: 7412

Christopher Winship

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

Data, or more accurately statistics calculated from data, are used ubiquitously in the support of various public policy claims. The purpose of this course is to examine the statistical methods used in making such claims and understand their potential strengths and weaknesses. The course examines Sampling, Characteristics of Distributions, Basic Probability, Statistical Reference, Measurement and Scaling, Measures of Association, Experiments, and Quasi-Experiments. The last part of the course will focus on the problem of making causal inferences from empirical data. The goal of the course is to acquire a clear, conceptual understanding of methods as opposed to the ability to manipulate formulas.

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.

Quantitative Reasoning 44. Greek Geometry and its Aftermath: Euclid for a Digital Age

Catalog Number: 7964

Paul G. Bamberg

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

Investigates why Greeks could construct a regular pentagon or bisect an angle with compass and straightedge but had to resort to trickery to trisect an angle or construct the cube root of 2. Reviews elementary calculus and develops the theory of infinite series to explain why the Greeks could not “square the circle,” and presents modern methods for calculating millions of digits of pi by computer. Students will learn to use the interactive programming language Mathematica to replicate the approaches of Archimedes, Newton, Euler, Ramanujan, and other giants of mathematics.

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 2003–04.

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

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

Science A-30. The Atmosphere

Catalog Number: 0477 Enrollment: Limited to 60.

Steven C. Wofsy

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

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



Science A-35. Matter in the Universe

Catalog Number: 5923 Enrollment: Limited to 325.

Robert P. Kirshner

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

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

Science A-36. Observing the Sun and the Stars

Catalog Number: 4775

Jonathan E. Grindlay and Robert W. Noyes

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

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

Science A-39. Time

Catalog Number: 0077

Gary J. Feldman

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

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

Note: Expected to be omitted in 2003–04.

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

Science A-41. The Einstein Revolution

Catalog Number: 3581

Peter L. Galison

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

**EXAM GROUP: 11, 12**

Albert Einstein has become the icon of modern science. Following his scientific, cultural, philosophical, and political trajectory, this course aims to track the changing role of physics in this century. Addresses Einstein and his engagement with relativity, quantum mechanics, Nazism, nuclear weapons, philosophy, and technology, and raises basic questions about what it means to understand physics and its history.

Note: Expected to be omitted in 2003–04.

Science A-43. Environmental Risks and Disasters

Catalog Number: 6001

Göran Ekström

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

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

Science A-47. Cosmic Connections

Catalog Number: 6940

Lars Hernquist

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

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

Note: Expected to be omitted in 2003–04.

Science A-49. The Physics of Music and Sound

Catalog Number: 8987

John Huth

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

Sound and music are 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 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, plus two two-hour laboratories and periodic section meetings to explore special topics in depth. EXAM GROUP: 5

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

Science B-27. Human Evolution

Catalog Number: 0470

David Pilbeam, 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 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-40. The Biology of Trees and Forests

Catalog Number: 2635

Donald H. Pfister

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

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

Science B-44. Vision and Brain

Catalog Number: 4722

Ken Nakayama

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

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



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

Catalog Number: 3395

George M. Whitesides and 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 given in 2003–04.

Prerequisite: Secondary school chemistry.

Science B-53. Marine Biology

Catalog Number: 7050 Enrollment: Limited to 96.

Robert M. Woollacott

Half course (fall term). Tu., Th., 1–2:30, and a two-hour weekly section to be arranged. One full-day and two half-day field trips will substitute for three weeks of section. EXAM GROUP: 15, 16

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

Prerequisite: Secondary school biology.

Science B-57. Dinosaurs and Their Relatives

Catalog Number: 0793

Charles R. Marshall

Half course (spring term). Tu., Th., 11:30–1 and a 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 1 and a weekly section to be arranged. EXAM GROUP: 6

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?

Departmental courses that satisfy the Science B requirement

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

[Biological Sciences 50. Genetics and Genomics](#)

[Biological Sciences 51 \(formerly Biological Sciences 2\). Integrative Biology of Organisms](#)

[Biological Sciences 52 \(formerly Biological Sciences 10\). Introductory Molecular Biology](#)

[Biological Sciences 80 \(formerly Biological Sciences 25\). Behavioral Neuroscience](#)

[Earth and Planetary Sciences 6. Introduction to Environmental Science: The Solid Earth](#)

Social Analysis

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Social Analysis

[Social Analysis 10. Principles of Economics](#)

Catalog Number: 3660

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

Full course (indivisible). M., W., F., at 12. 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 supply and demand, labor and financial markets, taxation, and social economic issues of health care, poverty, the environment, and income distribution. Spring term focuses on the impact of both monetary and fiscal policy on inflation, unemployment, interest rates, investment, the exchange rate, and international trade. Studies role of government in the economy, including Social Security, the tax system, and economic change in Eastern Europe, Latin America, and



Asia. Covers international trade and financial markets.

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

[Social Analysis 16. War]

Catalog Number: 4028

Stanley Hoffmann

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

War as the central phenomenon of international politics, as a domestic social institution, and as an issue made crucial by thermonuclear weapons. War in history: causes of war in theory and reality, functions and types of war, effects on society and the individual. War in the nuclear age: political features and strategic problems of the present international system; restraints: efforts to control force through law, international organization, disarmament, and arms control.

Note: Expected to be given in 2004–05.

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

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 what is shared and what is culturally distinctive in the experience and treatment of sickness. Analyzes how practitioners (biomedical and folk) and patients construe sickness and suffering as distinctive social realities, and how those realities are organized in local cultural systems. Assesses varieties of suffering as social phenomena in order to appreciate the social sources of global social problems, the cross-cultural variety of illness experiences, the reform of services, and the global moral and political-economic crisis in health care.

Note: Expected to be given in 2003–04.

Social Analysis 34. Knowledge of Language

Catalog Number: 2069

Bert Vaux

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

What does our ability to acquire and use a language tell us about our essential human nature? This course examines the view of modern linguistics that knowledge of language is best characterized as an unconsciously internalized set of abstract rules and principles. Evidence is drawn from a variety of signed and spoken languages, language universals, child language acquisition, 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.

Note: Expected to be omitted in 2003–04.

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

Catalog Number: 3544

Kenneth A. Shepsle

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

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

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

Catalog Number: 4409

C. C. Lamberg-Karlovsky

Half course (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. Growth and Development in Historical Perspective

Catalog Number: 1879

Robert H. Bates

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

6



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, development, and violence.

[Social Analysis 54. American Society and Public Policy]

Catalog Number: 6661

Theda Skocpol and Mary C. Waters

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

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

Note: Expected to be given in 2003–04.

Social Analysis 58. Representation, Equality, and Democracy

Catalog Number: 1341

Sidney Verba

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

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

Social Analysis 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, 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 omitted in 2003–04.



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

Catalog Number: 7451

William Julius Wilson (Kennedy School)

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

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

Note: Expected to be given in 2003–04.

Cross-listed Core course that satisfies the Social Analysis requirement

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

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

Departmental courses that satisfy the Social Analysis requirement

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

[Economics 1010a. Microeconomic Theory](#)

[Economics 1010b. Macroeconomic Theory](#)

Freshman Seminars and General Education Electives

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Freshman Seminars

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures

David M. Cutler, Professor of Economics

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

Elizabeth M. Doherty, Director of the Freshman Seminar Program 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
Alastair Iain Johnston, Governor James Albert Noe and Linda Noe Laine Professor of China in
World Affairs (*on leave spring term*)
Jason A. Kaufman, Assistant Professor of Sociology
Daniel E. Lieberman, Professor of Anthropology (*on leave fall term*)
David Pilbeam, Henry Ford II Professor of the Social Sciences (*fall term only*)

Other Faculty Offering Instruction in the Freshman Seminar Program

Mikael Adolphson, Assistant Professor of Japanese History
W. Nathan Alexander, Lecturer on History and Literature
Kathleen R. Arnold, Lecturer on Social Studies, Teaching Assistant in Government
Lisa Baldez, Visiting Assistant Professor of Government (*Washington University*) (*spring term only*)
Paul G. Bamberg, Senior Lecturer on Mathematics, Temporary in Continuing Ed
Ana P. Barros, Associate Professor of Environmental Engineering on the Gordon McKay Endowment
Bruce P. Bean, Professor of Neurobiology (*Medical School*)
Paul-Alain Beaulieu, Associate Professor of Assyriology
Rory A. W. Browne, Lecturer on History and Literature
Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures
Audrey Helfant Budding, Lecturer on Social Studies, Teaching Assistant in Special Concentrations
Melissa L. Caldwell, Lecturer on Social Studies
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
Patrick Cavanagh, Professor of Psychology
Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art
Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
Richard N. Cooper, Maurits C. Boas Professor of International Economics
Paulette G. Curtis, Lecturer on Anthropology
Ekaterina Dianina, Lecturer on History and Literature
Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures
Samba Diop, Assistant Professor of Romance Languages and Literatures (*on leave spring term*)
John Thomas Dunlop, Lamont University Professor, *Emeritus*
Coral P. Fernandez-Illescas, Lecturer on Engineering Sciences
Franco Fido, Carl A. Pescosolido Professor of Romance Languages and Literatures
Daniel S. Fisher, Professor of Physics and Professor of Applied Physics
Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature
Karen Pomeroy Flood, Lecturer on History and Literature
Rena Fonseca, Lecturer on Sanskrit and Indian Studies
David R. Foster, Senior Lecturer on Biology
Charles Fried, Beneficial Professor of Law (*Law School*)
Bretislav Friedrich, Lecturer on Chemistry and Chemical Biology
Laura Garwin, Lecturer on Molecular and Cellular Biology
Edward L. Glaeser, Professor of Economics



Roy J. Glauber, Mallinckrodt Professor of Physics
Karl S. Guthke, Kuno Francke Professor of German Art and Culture
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
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
Dudley R. Herschbach, Frank B. Baird, Jr. Professor of Science, Emeritus
Barbara L. Hillers, Assistant Professor of Celtic Languages and Literatures
Stanley Hoffmann, Paul and Catherine Battenwieser University Professor
Kieran 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
Steven E. Hyman, Provost of Harvard University
Sarah Jansen, Assistant Professor of the History of Science (*on leave 2003-04*)
Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology
Christopher Dean Johnson, Lecturer on Literature, Teaching Assistant in Romance Languages and Literatures
Laura M. Johnson, Staff Assistant III
Adam L. Kern, Assistant Professor of Japanese Literature
Sun Joo Kim, Assistant Professor of Korean History
William Klemperer, Erving Research Professor of Chemistry
Myron Lecar, Lecturer on Astronomy
Mark Leighton, Lecturer on Anthropology
Jonathan Ian Levy, Assistant Professor of Environmental Health and Risk Assessment (*Public Health*)
Mary D. Lewis, Assistant Professor of History
Richard J. Light, Professor of Education (*Education*)
David A. Long, Lecturer on History and Literature
Felicity Anne Lufkin, Lecturer on East Asian Languages and Civilizations
Avi Matalon, Instructor in Near Eastern Languages and Civilizations (*on leave spring term*)
José Antonio Mazzotti, Gardner Cowles Associate Professor of Romance Languages and Literatures (*on leave spring term*)
Curtis T. McMullen, Maria Moors Cabot Professor of the Natural Sciences (*on leave spring term*)
Everett I. Mendelsohn, Professor of the History of Science
Ralph Mitchell, Gordon McKay Professor of Applied Biology
Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts
David Gordon Mitten, James Loeb Professor of Classical Art and Archaeology
Mark Christopher Molesky, Lecturer on History and Literature
John E. Murdoch, Professor of the History of Science
Martha Jane Nadell, Lecturer on History and Literature
Charles J. Ogletree, Jesse Climenko Professor of Law (*Law School*)
Parimal G. Patil, Assistant Professor of the Study of Religion and of Sanskrit and Indian Studies
Ann Pearson, Assistant Professor of Geochemistry
John M. Picker, Assistant Professor of English and American Literature and Language



David Pilbeam, Henry Ford II Professor of the Social Sciences
 Julie A. Reuben, Professor of Education (*School of Education*)
 James R. Russell, Mashtots Professor of Armenian Studies
 Catherine R. Shapiro, Lecturer on Government
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music, Associate of Currier House (*on leave 2003-04*)
 Stuart M. Shieber, Harvard College Professor and James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science
 Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design School*)
 William A. Stein, Benjamin Peirce Assistant Professor of Mathematics
 Piotr Steinkeller, Professor of Assyriology
 Christopher J. Sturr, Lecturer on Social Studies
 Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics
 Richard F. Thomas, Professor of Greek and Latin (*on leave fall term*)
 Maria J. Trumpler, Lecturer on the History of Science
 Marcus Van Baalen, Lecturer on Earth and Planetary Sciences
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 Helen Vendler, Arthur Kingsley Porter University Professor
 Sarah Whiting, Assistant Professor of Architecture (*Design School*)
 Richard Wilson, Mallinckrodt Research Professor of Physics
 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
 James R. Russell, Mashtots Professor of Armenian Studies
 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 2002-03 offerings, please consult the current Freshman Seminar catalog. Catalogs and application forms may be obtained from the Freshman Seminar Office, 6 Prescott Street, Cambridge, MA 02138 (telephone: 617-495-1523; email: seminars@fas.harvard.edu). Additional information can be obtained from the Freshman Seminar website: www.fas.harvard.edu/~seminars.

Freshman Seminars 2002-03

***Freshman Seminar 21e. Dynamics, Geometry, and Randomness**

Catalog Number: 6221 Enrollment: Limited to 12.

Curtis T. McMullen

Half course (fall term). Tu., 2–5.

Note: Open to Freshmen only.

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

Catalog Number: 0746 Enrollment: Limited to 12.

David Pilbeam

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

Note: Open to Freshmen only.

***Freshman Seminar 21k. Art and the Brain**

Catalog Number: 3059 Enrollment: Limited to 12.

Patrick Cavanagh

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

Note: Open to Freshmen only.

***Freshman Seminar 21n. Mathematical and Computational Aspects of Elliptic Curves**

Catalog Number: 2807 Enrollment: Limited to 12.

William A. Stein

Half course (spring term). Tu., 2–4, M., at 6.

Note: Open to Freshmen only.

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

Catalog Number: 7584 Enrollment: Limited to 12.

David H. Hubel (Medical School)

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

Note: Open to Freshmen only.

***Freshman Seminar 21p. Human Modification of Environmental Systems**

Catalog Number: 0135 Enrollment: Limited to 12.

Ana P. Barros and Coral P. Fernandez-Illescas

Half course (spring term). M., 1–4.

Note: Open to Freshmen only.



***Freshman Seminar 21s. Microorganisms in the Biosphere**

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., 3–6. EXAM GROUP: 8, 9

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 21y. Observational Cosmology**

Catalog Number: 0376 Enrollment: Limited to 12.

Patrick Thaddeus

Half course (spring term). Th., 2–4.

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. EXAM GROUP: 16, 17

Note: Open to Freshmen only.

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

Catalog Number: 4777 Enrollment: Limited to 12.

Roy J. Glauber



Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17
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., 3–5.

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). W., 2:30–5:30.

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). M., 1:30–4:30.

Note: Open to Freshmen only.

***Freshman Seminar 22t. The Unfolding Story of Light**

Catalog Number: 9735 Enrollment: Limited to 12.

Bretislav Friedrich

Half course (fall term). Th., 2–4.

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. EXAM GROUP: 8, 9

Note: Open to Freshmen only.

***Freshman Seminar 22w. More Is Different: Modeling Collective Phenomena**

Catalog Number: 9834 Enrollment: Limited to 12.

Daniel S. Fisher

Half course (spring term). Th., 2:30–5:30. EXAM GROUP: 16, 17, 18

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 p.m.

Note: Open to Freshmen only.

***Freshman Seminar 22y. The Action Potential: The Elementary Unit of Neuronal Signaling**

Catalog Number: 9615 Enrollment: Limited to 12.

Bruce P. Bean (Medical School)

Half course (fall term). W., 2–5.

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). Tu., 2:30–5:30. EXAM GROUP: 16, 17, 18

Note: Open to Freshmen only.

***Freshman Seminar 23e. Rainforest Conservation**

Catalog Number: 9787 Enrollment: Limited to 12.

Mark Leighton

Half course (spring term). W., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 32e. Visualizing the Divine in Ancient Polytheistic Civilizations**

Catalog Number: 2703 Enrollment: Limited to 12.

Paul-Alain Beaulieu and Piotr Steinkeller

Half course (fall term). Th., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 32g. Painting the Dark Side**

Catalog Number: 3996 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). Tu., 1–5.

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 32k. The Poetry of Walt Whitman**

Catalog Number: 2864 Enrollment: Limited to 12.

Helen Vendler



Half course (fall term). M., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 32n. Renewal of Poetry in the Hispanic World: Vallejo, Huidobro, Neruda, and Paz**

Catalog Number: 2718 Enrollment: Limited to 12.

José Antonio Mazzotti

Half course (fall term). Th., 2–4.

Note: Open to Freshmen only.

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

Catalog Number: 5673 Enrollment: Limited to 12.

Barbara L. Hillers

Half course (fall term). W., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 32p. Charles Dickens**

Catalog Number: 4256 Enrollment: Limited to 12.

John M. Picker

Half course (fall term). Th., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 32s. Russian Theater, 1800-1920**

Catalog Number: 6743 Enrollment: Limited to 12.

Julie A. Buckler

Half course (fall term). Th., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 32t. Poetic Translation**

Catalog Number: 3305 Enrollment: Limited to 12.

Richard F. Thomas

Half course (fall term). W., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 32w. African Musical Traditions**

Catalog Number: 2465 Enrollment: Limited to 12.

Kay Kaufman Shelemay

Half course (fall term). Tu., 1–4.

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). Hours to be arranged. EXAM GROUP: 15, 16, 17

Note: Open to Freshmen only.



Freshman Seminar 32y. Goethe's *Faust

Catalog Number: 0139 Enrollment: Limited to 12.

Karl S. Guthke

Half course (fall term). M., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 32z. Family Sagas and the Literature of Medieval Scandinavia**

Catalog Number: 4666 Enrollment: Limited to 12.

Joseph C. Harris

Half course (fall term). W., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 33e. Boccaccio's *Decameron* and the Birth of the Novella**

Catalog Number: 8039 Enrollment: Limited to 12.

Franco Fido

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

Note: Open to Freshmen only.

***Freshman Seminar 33g. The Hindu Temple**

Catalog Number: 6665 Enrollment: Limited to 12.

Pramod Chandra

Half course (fall term). M., 1–4.

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 33o. Japan Pop: From Bashô to Banana**

Catalog Number: 5160 Enrollment: Limited to 12.

Adam L. Kern

Half course (fall term). W., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 33p. Black Aesthetics**

Catalog Number: 7836 Enrollment: Limited to 12.

Martha Jane Nadell

Half course (spring term). M., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 33w. A Literary Tour of the American South**

Catalog Number: 8135 Enrollment: Limited to 12.

David A. Long



Half course (fall term). Tu., Th., 2:30–4.

Note: Open to Freshmen only.

***Freshman Seminar 33x. Complexity in Works of Art: Ulysses and Hamlet**

Catalog Number: 6673 Enrollment: Limited to 12.

Philip J. Fisher

Half course (fall term). M., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 33y. France's Racial Minorities of African Descent**

Catalog Number: 9145 Enrollment: Limited to 12.

Samba Diop

Half course (fall term). M., 4–6.

Note: Open to Freshmen only.

***Freshman Seminar 33z. Greek Vase Painting**

Catalog Number: 6768 Enrollment: Limited to 12.

David Gordon Mitten

Half course (fall term). Th., 3–5.

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). M., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 34j. Reading Buildings, Writing Architecture**

Catalog Number: 2238 Enrollment: Limited to 12.

Sarah Whiting (Design School)

Half course (fall term). Tu., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 34k. Italian-American Literature, History, and Identity**

Catalog Number: 4098 Enrollment: Limited to 12.

Elvira G. DiFabio

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

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 34s. From Avant-Garde to Underground: Culture and Politics in Post-War Czechoslovakia**

Catalog Number: 9695 Enrollment: Limited to 12.

Peter A. Zusi

Half course (spring term). Tu., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 34t. Art and Authority in Russia**

Catalog Number: 9421 Enrollment: Limited to 12.

Ekaterina Dianina

Half course (spring term). Tu., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 34u. Discovery, Conquest, and Colonization of the New World**

Catalog Number: 9633 Enrollment: Limited to 12.

Christopher Dean Johnson

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

Note: Open to Freshmen only.

***Freshman Seminar 34w. American Biography**

Catalog Number: 9773 Enrollment: Limited to 12.

Laura K. Johnson

Half course (spring term). W., 1–3:30. EXAM GROUP: 6, 7, 8

Note: Open to Freshmen only.

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

Catalog Number: 9905 Enrollment: Limited to 12.

Jay Jasanoff

Half course (fall term). Th., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 34y. Thinking about Antisemitism**

Catalog Number: 9449 Enrollment: Limited to 12.

Jay M. Harris

Half course (fall term). W., 4–6.

Note: Open to Freshmen only.

***Freshman Seminar 34z. Talking Animals, Human Gods, and Eros: Readings in Buddhist, Hindu, and Jain Literatures of India**

Catalog Number: 9666 Enrollment: Limited to 12.

Parimal G. Patil

Half course (fall term). M., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 35e. Popular Chinese Prints in the 19th and 20th Centuries**

Catalog Number: 9458 Enrollment: Limited to 12.



Felicity Anne Lufkin
Half course (fall term). W., 4–6.
Note: Open to Freshmen only.

***Freshman Seminar 43e. Women's Movements in Latin America**

Catalog Number: 4364 Enrollment: Limited to 12.
Lisa Baldez (Washington University)
Half course (spring term). Tu., 3–5.
Note: Open to Freshmen only.

***Freshman Seminar 43j. Experiment and Persuasion**

Catalog Number: 4064 Enrollment: Limited to 12.
Maria J. Trumpler
Half course (fall term). W., 2–5.
Note: Open to Freshmen only.

***Freshman Seminar 43k. Moral Choice and Politics as Represented in Literature**

Catalog Number: 7973 Enrollment: Limited to 12.
Stanley Hoffmann
Half course (fall term). Th., 2–4.
Note: Open to Freshmen only.

***Freshman Seminar 43n. Sin and the City: Tales of Historic Kyoto**

Catalog Number: 2120 Enrollment: Limited to 12.
Mikael Adolphson
Half course (spring term). F., 1–4.
Note: Open to Freshmen only.

***Freshman Seminar 43o. Evolution of the American City**

Catalog Number: 3112 Enrollment: Limited to 12.
Edward L. Glaeser
Half course (fall term). Th., 3–5:30.
Note: Open to Freshmen only.

***Freshman Seminar 43s. Religion and Democracy: France, A Case Study**

Catalog Number: 2708 Enrollment: Limited to 12.
Mary D. Lewis
Half course (fall term). W., 2–4.
Note: Open to Freshmen only.

***Freshman Seminar 43t. Nation, State, and Ethnic Cleansing: The Case of Yugoslavia**

Catalog Number: 8474 Enrollment: Limited to 12.
Audrey Helfant Budding
Half course (fall term). Th., 6:30–9:30 p.m.
Note: Open to Freshmen only.



***Freshman Seminar 43u. The Workplace: The Roles of Business, Labor, and Government**

Catalog Number: 0016 Enrollment: Limited to 12.

John Thomas Dunlop

Half course (spring term). M., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 43w. The Historical Bases of Korean Nationalism**

Catalog Number: 4281 Enrollment: Limited to 12.

Sun Joo Kim

Half course (spring term). Th., 12–2.

Note: Open to Freshmen only.

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

Catalog Number: 1476 Enrollment: Limited to 12.

Christopher Sturr

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

Note: Open to Freshmen only.

***Freshman Seminar 44e. Memoirs and Biographies of the Holocaust**

Catalog Number: 9873 Enrollment: Limited to 12.

Mark Christopher Molesky

Half course (fall term). W., 2–4.

Note: Open to Freshmen only.

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

Catalog Number: 1032 Enrollment: Limited to 12.

Richard N. Cooper

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

Note: Open to Freshmen only.

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

Catalog Number: 7826 Enrollment: Limited to 12.

Davíd L. Carrasco

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). Th., 2–5. EXAM GROUP: 16, 17, 18

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). Th., 1–3.

Note: Open to Freshmen only.

***Freshman Seminar 44t. The Atomic Bomb in History and Culture**

Catalog Number: 2897 Enrollment: Limited to 12.

Everett I. Mendelsohn

Half course (spring term). Tu., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 44u. Understanding the Supreme Court**

Catalog Number: 0937 Enrollment: Limited to 12.

Charles Fried (Law School)

Half course (spring term). Th., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 44w. Environmental Equity and Public Policy**

Catalog Number: 2973 Enrollment: Limited to 12.

Jonathan Ian Levy (Public Health)

Half course (spring term). M., 2–5.

Note: Open to Freshmen only.

***Freshman Seminar 44x. Tackling Tough Challenges for Modern American Education**

Catalog Number: 3160 Enrollment: Limited to 12.

Richard J. Light (Education)

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

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). Hours to be arranged. EXAM GROUP: 15, 16

Note: Open to Freshmen only.

***Freshman Seminar 45j. The Politics of Hunger**

Catalog Number: 5473 Enrollment: Limited to 12.

Melissa L. Caldwell

Half course (spring term). W., 6:30–9:30 p.m.

Note: Open to Freshmen only.



***Freshman Seminar 45k. Women's Bodies in 20th-Century America**

Catalog Number: 5464 Enrollment: Limited to 12.

Karen Pomeroy Flood

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

Note: Open to Freshmen only.

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

Catalog Number: 9461 Enrollment: Limited to 12.

Kiaran Aeveen Honderich

Half course (fall term). W., 3–5.

Note: Open to Freshmen only.

***Freshman Seminar 45p. Lucretius, Epicureanism, and Atomism**

Catalog Number: 8061 Enrollment: Limited to 12.

John E. Murdoch

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

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). F., 2–5. EXAM GROUP: 7, 8

Note: Open to Freshmen only.

***Freshman Seminar 45t. Campus Activism in the 1960s**

Catalog Number: 9511 Enrollment: Limited to 12.

Julie A. Reuben (School of Education)

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

Note: Open to Freshmen only.

***Freshman Seminar 45u. American War Zones: The Anthropology of Commemoration in America**

Catalog Number: 9864 Enrollment: Limited to 12.

Paulette G. Curtis

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

Note: Open to Freshmen only.

***Freshman Seminar 45w. Science and the Holocaust**

Catalog Number: 9625 Enrollment: Limited to 12.

Sarah Jansen

Half course (fall term). W., 2–4.

Note: Open to Freshmen only.

***Freshman Seminar 45x. Race, Justice, and the Law**

Catalog Number: 9402 Enrollment: Limited to 12.



Charles J. Ogletree (Law School)

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

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. 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. Contemporary parallels with such 19th-century phenomena as growth of the U.S. 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 of Government 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. Students with political, legal, economic, civilian, military, technical, or other backgrounds welcome; cross-registration by Law or Business students encouraged.

Note: Term paper in lieu of final examination; extensive research expected of graduate students. Offered jointly with the Kennedy School of Government as ISP-483.

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

Catalog Number: 5587

Joseph P. Kalt (Kennedy School) and guest lecturers

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

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



Native American students, visiting scholars, and Native American leaders.

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

General Education 186. Introduction to Health Care Policy

Catalog Number: 4045

Richard G. Frank (Medical School)

Half course (fall term). Tu., Th., 2:30–4, and a weekly section to be arranged. EXAM GROUP: 16, 17

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

Considers objectives, constraints, incentives, knowledge, and conduct of each component.

Evaluates problems faced by each component using both “insider” and “outsider” perspectives.

What makes health care so hard to reform? How shall we understand recent proposals? Reading will include selections from medical sociology, economics, politics, and ethics.

Note: Offered jointly with the Kennedy School of Government as HCP-101.

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

Catalog Number: 4832 Enrollment: Limited to 35.

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

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

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

House Seminars

Primarily for Undergraduates

All House Seminars are offered for degree credit. House Seminars are normally graded with letter grades; as with other letter-graded courses students may, with the instructor’s permission, take House Seminars Pass/Fail. All House Seminars require the permission of the instructor (*). Information concerning enrollment in House Seminars should be sought from the appropriate House Office. House Seminars are frequently not repeated from year to year.

Adams

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

Catalog Number: 6137 Enrollment: Limited to 6.



Roger E. Stoddard

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

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 given in 2003–04.

Currier

***Currier 129. Medical Ethics: Issues in Law and Medicine**

Catalog Number: 9614 Enrollment: Limited to 20.

Shahram Khoshbin (Medical School)

Half course (fall term). M., 7–9 p.m. EXAM GROUP: 9

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

Eliot

***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 will be optional.

Leverett

***Leverett 104. Sigmund Freud and C. S. Lewis: Two Contrasting World Views**

Catalog Number: 0773 Enrollment: Limited to 20.

Armand M. Nicholi, II (Medical School)

Half course (spring term). Tu., 7–9 p.m. EXAM GROUP: 18

Focuses on the “scientific” Weltanschauung (world view) of Sigmund Freud as a key to understanding his life and work. Students examine the world view Freud attacks by reading



selected writings of C. S. Lewis and the letters between Freud and Oskar Pfister, the Swiss psychoanalyst and theologian. Considers the following themes: source of morality and ethics, definition and understanding of human sexuality, problem of pain and suffering, definition of happiness and reason that unhappiness prevails, role of different categories of love in human relationships, nature of human nature and the problem of “the painful riddle of death.” Selected expository works by Freud serve as a brief introduction to basic psychoanalytic concepts and to philosophical works that form the core of study.

Winthrop

***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 the author’s life and work through close reading of autobiography, four major novels, several short stories, related Russian poems, 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 religious?

African Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on African Studies

Emmanuel K. Akyeampong, Professor of History (*Chair*)

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

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

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

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

Samba Diop, Assistant Professor of Romance Languages and Literatures (*on leave spring term*)

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

Caroline M. Elkins, Assistant Professor of History

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

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

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



Allan G. Hill, Andelot Professor of Demography (*Public Health*)
 Linda A. Hill, Wallace Brett Donham Professor of Business Administration (*Business School*)
 Sanjeev Khagram, Assistant Professor in Public Policy (*Kennedy School*)
 Michael Robert Kremer, Professor of Economics
 Harry S. Martin III, Professor of Law and Library (*Law School*)
 J. Lorand Matory, Professor of Anthropology and of Afro-American Studies
 Ingrid Monson, Quincy Jones Professor of African-American Music
 Pauline E. Peters, Lecturer on Anthropology
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music, Associate of Currier House (*on leave 2003-04*)
 Richard Wolf, Assistant Professor of Music (*on leave 2002-03*)

The Committee on African Studies is a multidisciplinary group of scholars appointed to coordinate teaching and research on Africa within Harvard's departments and faculties. It is primarily concerned with the planned development of African studies in the University as a whole. Since it is also the Committee's goal to advance knowledge and understanding of African peoples throughout the University, it sponsors lectures, seminars, conferences, films, and exhibitions on Africa. Its noncredit Africa Seminar is open to all students and faculty members. The Committee offers undergraduate summer grants for senior honors thesis study and graduate dissertation research grants for travel to Africa and a research workshop for African Studies doctoral students.

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

Cross-Listed Courses

[Afro-American Studies 128. Black Nationalism]

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

[Afro-American Studies 141. Afro-Atlantic Religions](#)

[Afro-American Studies 169. Visualizing Africa]

[Afro-American Studies 175. Visions of Africa](#)

[Afro-American Studies 180. Introduction to African Literature](#)

[Anthropology 105. Food and Culture](#)

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

[Anthropology 136. Colonial Departures](#)

[Anthropology 140. The Transition from Hunting-Gathering to Agriculture]

[Anthropology 234. Postcoloniality and Ethnography](#)



Anthropology 277. Development Dilemmas

***English 90vo. The Oral Tradition and Literature in Africa**

[English 167p. Postcolonial Narratives]

English 196n. Reading Africa in Selected African Novels

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 113. Women Storytellers in Africa]

[Folklore and Mythology 115. The African Oral Narrative Tradition]

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 188. Women Francophone Writers]

French 189. Francophone Poetry and Drama

[French 194. Francophone Film and Literature]

French 195. The African and Caribbean Novel in French: Comparative Perspectives

French 289r. French African Literature: Seminar

***Freshman Seminar 32w. African Musical Traditions**

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

Government 90km. The Political Economy of Africa

Government 90kw. Retroactive Justice

Government 1100. Political Economy of Development

[*Government 1197 (formerly *Government 2197). Political and Economic Development in Africa]

Government 2114. The Political Economy of Development

[Government 2162. Perspectives on 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

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

[History 1903. Modern Africa from 1850 to the Present]

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

[History 1910. Islam in Sub-Saharan Africa, 630 C.E. to the Present: 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 1956. Comparative Approaches to Frontiers and Boundaries

[History 2909. Themes in Modern Sub-Saharan African History: Proseminar]

History of Art and Architecture 198x. African Women in Art and History

History of Art and Architecture 296. Critical Issues in African Art Methodology and Historiography

[History of Science 153. Science and Race]

[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: Eastern European/Java/Folkdance](#)
[Religion 1017. New Religious Movements and Society: Conference Course](#)
[Religion 1551. For the Love of God and His Prophet: Literary and Artistic Expressions of Muslim Devotional Life: Seminar]
[Religion 2040. Religion and Human Rights](#)
[Social Analysis 52. Growth and Development in Historical Perspective](#)
[*Social Studies 98ey. States in Africa](#)
[Swahili A. Elementary Swahili](#)
[Swahili 120ar. Readings in Swahili](#)
[Swahili 120br. Readings in Swahili](#)

Afro-American Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Afro-American Studies

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities (*Chair*)
Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of Afro-American Studies (*Director of Undergraduate Studies (fall term)*)
Lawrence D. Bobo, Norman Tishman and Charles M. Diker Professor of Sociology and of Afro-American Studies (*Director of Graduate Studies*)
Glenda R. Carpio, Assistant Professor of Afro-American Studies and English and American Literature and Language
Kimberly McClain DaCosta, Assistant Professor of Afro-American Studies and of Social Studies
Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies (*Director of Undergraduate Studies (on leave fall term)*)
Jennifer L. Hochschild, Professor of Government (*on leave 2003-04*)
Francis Abiola Irele, Visiting Professor of Afro-American Studies and of Romance Languages and Literatures (*Ohio State University*)
Isaac Julien, Visiting Lecturer on Afro-American Studies and on Visual and Environmental Studies (*fall term only*)
Jamaica Kincaid, Visiting Lecturer on Afro-American Studies and on English and American Literature and Language (*spring term only*)
J. Lorand Matory, Professor of Anthropology and of Afro-American Studies
Ingrid Monson, Quincy Jones Professor of African-American Music
Marcyliena Morgan, Visiting Associate Professor in the Department of Afro-American Studies



(University of California, Los Angeles)

Susan E. O'Donovan, Assistant Professor of Afro-American Studies and of History *(on leave 2003-04)*

Emmanuel N. Obiechina, Visiting Lecturer of Afro-American Studies and English and American Literature and Language

Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and Afro-American Studies *(on leave 2002-03)*

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

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of Afro-American Studies *(on leave 2002-03)*

Patricia A. Sullivan, Visiting Lecturer on Afro-American Studies *(University of Virginia)*

William Julius Wilson, Harvard University Professor and Malcolm Wiener Professor of Social Policy *(Kennedy School)*

Other Faculty Offering Instruction in Afro-American Studies

Emmanuel K. Akyeampong, Professor of History

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language

Michael C. Dawson, Professor of Government

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society

Orlando Patterson, John Cowles Professor of Sociology

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

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music, Associate of Currier House *(on leave 2003-04)*

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

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

Primarily for Undergraduates

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

Catalog Number: 0802

Henry Louis Gates, Jr.

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

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

Note: Required of concentrators. Students who transfer into the concentration after their sophomore year may substitute another Afro-American Studies course already taken if they satisfy the Head Tutor that this course establishes a basic familiarity with the materials covered in Afro-American Studies 10. This course, when taken for a letter grade, meets the Core arearequirement for Historical Study A.

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

Catalog Number: 1269



Suzanne P. Blier and members of the Department

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

Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

***Afro-American Studies 97a. Jazz, Race, and Politics Since WWII**

Catalog Number: 1439

Ingrid Monson

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

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

Note: Limited to Afro-American Studies concentrators and others by permission of the instructor.

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

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

Kimberly McClain DaCosta

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

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

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

Catalog Number: 6272

Suzanne Blier and members of the tutorial staff

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

Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

Prerequisite: Completion of Afro-American Studies 10, or a substitute course approved by the Head Tutor.

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

Catalog Number: 8654 Enrollment: Limited to honors candidates.

Suzanne Blier 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). Tu., 2–4. EXAM GROUP: 16, 17

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.

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., 2–4. EXAM GROUP: 16, 17

This course will examine the thematic continuum between the Harlem Renaissance and the Negritude movement. The latter owes its genesis largely to the precedent established by the Harlem writers, and derives many of its themes and aesthetic modes from the earlier 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 117. Who is Black?]

Catalog Number: 4142

Kimberly McClain DaCosta

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

This course examines the ways that definitions of “who is black” changed during the 20th century. We explore the social processes through which identities are constructed and changed and parse the relationship between the conditions under which groups form and the contents of ethnoracial identity. We will 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 2003–04. Limited to Afro-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

Susan E. O'Donovan

Half course (spring 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 United States. Topics will include the rise of slavery; the American Revolution and the problem of slavery; African-American social, economic, and cultural life in the antebellum North and South; the struggle for freedom during the Civil War and Reconstruction; and African-Americans in the age of segregation and disenfranchisement.

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

Catalog Number: 6246

Evelyn Brooks Higginbotham

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

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

Note: Expected to be given in 2003–04.

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

Catalog Number: 7898 Enrollment: Limited to 25.

Tommie Shelby

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

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

Note: Expected to be given in 2003–04. Expected to be omitted in 2004–05.

[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. This course critically examines several Marxist and neo-Marxist accounts of racial ideology, the construction of racial identities, the relationship between class exploitation and racial subordination, and the role of capitalist development and expansion in perpetuating racial inequality.

Note: Expected to be given in 2003–04. Expected to be omitted in 2004–05. Preference given to Afro-American Studies concentrators.

[Afro-American Studies 128. Black Nationalism]

Catalog Number: 3426

Tommie Shelby



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

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.

Note: Expected to be given in 2003–04.

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

Catalog Number: 2589

Glenda R. Carpio

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

Close readings of major writers in the context of cultural history. I) Literature and folk culture in the slavery period: Phillis Wheatley, Olaudah Equiano, Omar Ibn Said, Victor Séjour, Lydia Maria Child, Frederick Douglass, Harriet Beecher Stowe, William Wells Brown, Frank Webb, Martin Robison Delany, and Harriet Jacobs. II) “Post-bellum, pre-Harlem”: Charles W. Chesnutt, Paul Laurence Dunbar, Pauline Hopkins, W.E.B. Du Bois, Booker T. Washington, and James Weldon Johnson.

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

[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. This course will focus on the critical roles they played in the national struggle over the meaning of freedom in the Civil War era. Special attention will be paid to the ways in which antebellum and wartime experiences as men and women, slaves and free people, shaped African-American's aspirations and options in the postemancipation world.

Note: Expected to be given in 2003–04.

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

Catalog Number: 3543

Jamaica Kincaid

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

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.

[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 2003–04.

Afro-American Studies 138z. Interracial Literature

Catalog Number: 0164

Glenda R. Carpio

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

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

Afro-American Studies 140z. The Other African Americans

Catalog Number: 0300

J. Lorand Matory

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

Surveys the history and contemporary experiences of self-identified “mixed-race” groups, as well as voluntary immigrant groups from Africa and the Caribbean, such as Cape Verdeans, Nigerians, Jamaicans, Afro-Puerto Ricans, and Haitians in the United States. In this context, students will be 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.

Afro-American Studies 141. Afro-Atlantic Religions

Catalog Number: 3336

J. Lorand Matory

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

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: Offered jointly with Divinity School as 3692.

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

Catalog Number: 9321

*Lawrence D. Bobo**Half course (fall term). Hours to be arranged.*

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

Note: Expected to be given in 2003–04.

Afro-American Studies 152. African-American English

Catalog Number: 3137

*Marcyliena Morgan (University of California, Los Angeles)**Half course (spring term). M., 2–4. EXAM GROUP: 7, 8*

This course examines the changing and diverse character of the US African American speech community by providing an overview of language and communicative practices and beliefs. Special focus will be on urban youth language, culture and identity. We will review and analyze significant theories and arguments concerning the description, genesis, maintenance, and social function of African American English, interaction and verbal genres.

Afro-American Studies 153. Hip Hop America: Power, Politics and the Word

Catalog Number: 3152

*Marcyliena Morgan (University of California, Los Angeles)**Half course (spring term). W., 2–4. EXAM GROUP: 7, 8*

This course examines the development of hip hop in the US as a cultural, political and artistic resource. In particular, we will examine hip hop literacy, language and learning, art, performance and dress. Topics include: culture, community, crime and injustice, economics, education, family, history, identity, language, politics, sports, race and racism, sex and sexism. Emphasis will be placed on hip hop in a variety of contexts including schools, religious organizations and political movements.

Afro-American Studies 154. Language and Discourse: Race and Class

Catalog Number: 9990

*Marcyliena Morgan (University of California, Los Angeles)**Half course (fall term). M., 1–3. EXAM GROUP: 6, 7*

The purpose of this course is to study, analyze and critique theories concerning the discursive construction of identity(s) and forms of representation of cultures. It will explore the relationship between power and powerful speech through reviews and critiques of theories of language, culture, and identity as they relate to ethnicity, race, and social class. Focus will be on language ideology and analysis of discourse styles used in the construction of regional, national, and global communities.



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

Catalog Number: 2388

Marcyliena Morgan (University of California, Los Angeles)

Half course (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. This course explores the history of contact languages in the African Diaspora from a linguistic, political, social and cultural perspective. Focus will be on language contact resulting from plantation slavery in the Caribbean, and North and South America. And how it effects standardization, identity and nationalism.

Afro-American Studies 160. Blacks in the Twentieth Century

Catalog Number: 9754

Patricia A. Sullivan (University of Virginia)

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

The course will explore major trends and developments in African-American life and thought from the 1890s through the 1980s. Topics will include work and community, education, religion, migration, cultural expression, protest, and politics.

Afro-American Studies 163. Race, Society, and Politics: The South since the 1890s

Catalog Number: 9572

Patricia A. Sullivan (University of Virginia)

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

This course will explore black and white life in the South from the 1890s to the 1960s. It will consider the social, political and cultural forces that shaped and sustained the segregation system and ultimately led to its demise. Particular attention will be given to the ways in which African-Americans endured, resisted, and challenged Jim Crow.

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

Catalog Number: 4829 Enrollment: Limited to 25.

Gwendolyn DuBois Shaw

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

Through examination of painting and sculpture, photography, film and video, sports and fashion, this course will explore the production, criticism, and exploitation of contemporary African American visual culture.

Note: Expected to be given in 2003–04. Course convenes in Sackler 406.

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

Catalog Number: 2880

Gwendolyn DuBois Shaw

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

This course examines the artistic production and the representation of black people in the art of the Western world with a primary focus on archival resources, exhibition practice, collections, and museum catalogues. Its aim is to introduce undergraduates to a variety of art historical



research practices using a dynamic schedule of one lecture and one visit to the Image of the Black in Western Art archive, the Fine Arts Library, or other off-site field trip, each week.
Note: Expected to be given in 2003–04. To be held at the Sackler. One day of off-site classroom instruction. Locations to be announced in class. Off-site classroom sessions will be convened from 2-4.

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

Catalog Number: 5551

Gwendolyn DuBois Shaw

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

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

Note: Expected to be given in 2003–04. To be held in the Sackler.

[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.

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

Note: Expected to be given in 2003–04.

[Afro-American Studies 175. Visions of Africa](#)

Catalog Number: 9800

Emmanuel N. Obiechina

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

This course will encompass perceptions of African life and experience from both within and without. To explore the history and cultures of this continent, the student will read the works of native-born Africans as well as settlers and travelers from Europe and America. The student will undertake a project by recording an imaginary journey to a chosen African country and to present it to the class at the end of the course.

[Afro-American Studies 180. Introduction to African Literature](#)

Catalog Number: 9775

Emmanuel N. Obiechina

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

This is a survey course. The student will be introduced to the diverse and complex world of African literature. Some of its peculiarities will be highlighted from the start, including the fact that this is a written literature with strong oral component and also that it is literature committed to serving social purposes in addition to providing aesthetic pleasure. The student will be



exposed to representative texts (poetry, fiction, and drama) drawn from different parts of the sub-Saharan region.

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 187y. Black Cinema as Genre - From Blaxploitation to Diaspora Cinema: Seminar

Catalog Number: 9338 Enrollment: Limited to 25.

Isaac Julien

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

Looks at the history of African-American Cinema (from Oscar Micheaux to Spike Lee) and focuses on the use of stereotypes and hyperbole in some Peebles. Topics include: representation of gender in Dash's *Illusions*; the role of Pam Grier in blaxploitation films; the "soul film" genre (*Superfly*) and black independent cinema (*Ganja and Hess*); the construction of black masculinity in *Boyz 'n the Hood* and gangsta-rap themed noir films; and the appropriation of black cinema by other film-makers and genres such as the aesthetic du cool of Quentin Tarantino. The second part of the course looks at black cinemas from around the world, including Britain, Australia, Africa.

Note: Previous background in cultural theory and/or film theory recommended but not required.

Afro-American Studies 190. Structure, Culture, Experience

Catalog Number: 9440

Kimberly McClain DaCosta

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

"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). Hours to be arranged.

Explores the movement from its integrationist period in the 1950s and early 1960s to the heyday of militant black power in the late 1960s and early 1970s. Attention given to grassroots community activism, the contribution of nationally prominent individuals and organizations, and



the changing of American laws, society, and the state.

Note: Expected to be given in 2003–04.

[*Afro-American Studies 196. Sociological Perspectives on Racial Inequality in America: Seminar]

Catalog Number: 4619 Enrollment: Limited to 30.

William Julius Wilson (Kennedy School)

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

Examines classical and contemporary works on racial inequality in America. Different conceptions of the social, economic, and political situations that affect the state and nature of race relations are critically analyzed, as well as the different views on race and social policy.

Note: Expected to be given in 2003–04. Offered jointly with the Kennedy School as HLE-209. Students must attend the first meeting of the class to enroll.

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

Catalog Number: 5210

Lawrence D. Bobo

Half course (spring term). 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 2003–04.

Primarily for Graduates

Afro-American Studies 218. Topics in African American History

Catalog Number: 9951

Susan E. O'Donovan

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 Literary Studies]

Catalog Number: 8492

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

Topic to be announced.

Note: Expected to be given in 2003–04.



[Afro-American Studies 241. Topics in African American Social Science]

Catalog Number: 0198

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

Topic to be announced.

Note: Expected to be given in 2003–04.

Graduate Courses

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

Catalog Number: 3120

Members of the Department

Half course (fall term). Tu., 12–2.

This is half of a year long course in which students are introduced to major themes, debates and texts in the broad interdisciplinary field of African-American Studies. Afro-American Studies 301, in the fall term, focuses on humanities and literary and cultural studies.

Note: Required for all graduates in Afro-American Studies in their first year and ordinarily only graduate students affiliated with the program will be permitted to attend.

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

Catalog Number: 7559

Members of the Department.

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

This is half of a year long course in which students are introduced to major themes, debates and texts in the broad interdisciplinary field of African-American Studies. Afro-American Studies 302, in the spring term, focuses on the social sciences.

Note: Required for all graduates in Afro-American Studies in their first year and ordinarily only graduate students affiliated with the program will be permitted to attend.

***Afro-American Studies 310. Individual Reading Tutorial**

Catalog Number: 1374

Henry Louis Gates, Jr. 2899, Emmanuel K. Akyeampong 3421, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Michael C. Dawson 4434 (fall term only), Evelyn Brooks Higginbotham 3517 (on leave fall term), Jennifer L. Hochschild 3785 (on leave 2003-04), Francis Abiola Irele (Ohio State University) 4354, J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan (University of California, Los Angeles) 2212, Susan E. O'Donovan 3962 (on leave 2003-04), Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Gwendolyn DuBois Shaw 3799 (on leave 2002-03), Tommie Shelby 3863 (on leave 2002-03), Kay Kaufman Shelemay 3483 (on leave 2003-04), Werner Sollors 7424 (on leave 2002-03), Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger (Law School) 4609, and William Julius Wilson (Kennedy School) 2401

This course allows students to work with an individual member of the faculty in a weekly tutorial. Students may not register for this course until their adviser and the faculty member with whom they plan to work have approved a program of study.



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

Catalog Number: 4046

Emmanuel K. Akyeampong 3421, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Michael C. Dawson 4434 (fall term only), Henry Louis Gates, Jr. 2899, Evelyn Brooks Higginbotham 3517 (on leave fall term), Jennifer L. Hochschild 3785 (on leave 2003-04), J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan (University of California, Los Angeles) 2212, Susan E. O'Donovan 3962 (on leave 2003-04), Emmanuel N. Obiechina 4452, Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Gwendolyn DuBois Shaw 3799 (on leave 2002-03), Tommie Shelby 3863 (on leave 2002-03), Kay Kaufman Shelemay 3483 (on leave 2003-04), Werner Sollors 7424 (on leave 2002-03), Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger (Law School) 4609, and William Julius Wilson (Kennedy School) 2401

This course requires students to identify a research project and carry it out under the guidance of a member of the faculty. Graduate students may use this course to begin to work on the research paper that is a requirement of admission to candidacy.

***Afro-American Studies 399. Direction of Doctoral Dissertations**

Catalog Number: 8411

Emmanuel K. Akyeampong 3421, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Michael C. Dawson 4434 (fall term only), Henry Louis Gates, Jr. 2899, Evelyn Brooks Higginbotham 3517 (on leave fall term), Jennifer L. Hochschild 3785 (on leave 2003-04), J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan (University of California, Los Angeles) 2212, Susan E. O'Donovan 3962 (on leave 2003-04), Orlando Patterson 1091, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Gwendolyn DuBois Shaw 3799 (on leave 2002-03), Tommie Shelby 3863 (on leave 2002-03), Kay Kaufman Shelemay 3483 (on leave 2003-04), Werner Sollors 7424 (on leave 2002-03), Ronald Thiemann (Divinity School) 3395, Roberto Mangabeira Unger (Law School) 4609, and William Julius Wilson (Kennedy School) 2401

Cross-listed Courses

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

[Anthropology 112. Archaeology of the African Diaspora: Seminar](#)

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

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

[Economics 1812. The U.S. Labor Market](#)

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

[*English 90vo. The Oral Tradition and Literature in Africa](#)

[English 160. The British Novel After Henry James](#)

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

[English 192p. Postmodern Literature](#)

[English 196n. Reading Africa in Selected African Novels](#)

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

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



[Folklore and Mythology 115. The African Oral Narrative Tradition]
[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](#)
[Government 2445. Problems in the Study of Urban Politics](#)
[Government 2578. Race and Politics in the United States](#)
[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas](#)
[History 1620. History of the Old South](#)
[History 1623. Civil War and Reconstruction Era, 1860-1877](#)
[History 1625. The Coming of the Civil War, 1820-1861](#)
[*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 198x. African Women in Art and History](#)
[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](#)
[Social Analysis 52. Growth and Development in Historical Perspective](#)
[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)
[Sociology 60. Race and Ethnic Relations](#)
[*Sociology 221. Immigration, Identity and Assimilation: Seminar]
[*Visual and Environmental Studies 187. The Post-Cinematic in Video Art: Seminar](#)

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*) (on leave 2002-03)



Steven C. Caton, Professor of Contemporary Arab Studies (*Acting Chair*)
 Daniel Shawn Adler, Proctor; Member of the Board of Freshman Advisers, Lecturer on Anthropology
 Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology (*on leave spring term*)
 John C. Barry, Lecturer on Anthropology
 Theodore C. Bestor, Professor of Anthropology
 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, Visiting Associate Professor of Anthropology
 Lisa Marie Collins, Lecturer on Anthropology
 Paulette G. Curtis, Lecturer on Anthropology
 Peter T. Ellison, Harvard College Professor and Professor of Anthropology and Dean of the Graduate School of Arts and Sciences
 James L. Fitzsimmons, Lecturer on Anthropology
 Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
 Engseng Ho, Assistant Professor of Anthropology and of Social Studies (*on leave 2002-03*)
 Eric Christopher Kansa, Lecturer on Anthropology
 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 (*on leave spring term*)
 Smita Lahiri, Assistant Professor of Anthropology
 C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
 Steven A. LeBlanc, Senior Lecturer on Anthropology
 Yun Kuen Lee, Assistant Professor of Anthropology
 Mark Leighton, Lecturer on Anthropology
 Daniel E. Lieberman, Professor of Anthropology (*on leave fall term*)
 Susan F. Lipson, Lecturer on Anthropology
 Carole A. Mandryk, Lecturer on Anthropology
 Frank W. Marlowe, Associate Professor of Anthropology (*on leave fall term*)
 J. Lorand Matory, Professor of Anthropology and of Afro-American Studies
 David H. P. Maybury-Lewis, Edward C. Henderson Professor of Anthropology (*on leave fall term*)
 Richard H. Meadow, Senior Lecturer on Anthropology
 Steven R. Pendery, Visiting 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
 Mary M. Steedly, Professor of Anthropology
 David S. Stuart, Senior Lecturer on Anthropology
 Hartmut Tschauner, Lecturer on Anthropology
 Anna Tsing, Visiting Professor of Anthropology and Women's Studies (*University of California, Santa Cruz*)
 Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies
 Lucia Volk, Lecturer on Anthropology



Kay B. Warren, Professor of Anthropology (*on leave spring term*)
James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society
Rubie S. Watson, Howells Director of the Peabody Museum of Archaeology and Ethnology
Richard W. Wrangham, Ruth Moore Professor of Biological Anthropology (*Head Tutor*)
Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

Other Faculty Offering Instruction in Anthropology

Irven DeVore, Ruth Moore Research Professor of Biological Anthropology
Byron J. Good, Professor of Medical Anthropology (*Medical School*)
Sally F. Moore, Victor S. Thomas Research Professor of Anthropology
Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology, *Emeritus*

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 Collections Staff. Will require a project involving a 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 452), 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 452.

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

Catalog Number: 0400

Eric Christopher Kansa

Half course (spring term). M., 3–5.



The sophomore tutorial provides a background in archaeological method and theory, particularly focusing on small-scale societies. Specific topics include the origin of anatomically modern humans, the peopling of the New World, and the nature of small-scale societies in both modern and ancient contexts. Weekly readings (drawn from the current journal literature), discussions, several short writing assignments.

Note: Required of all concentrators.

***Anthropology 97y. Sophomore Tutorial in Biological Anthropology**

Catalog Number: 3170

Richard W. Wrangham

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

An introduction to the issues and methods of biological anthropology, including evolutionary theory and its application to humans. Focuses on the comparison of primate and human physiology and social behavior as ecological adaptations and their application to understanding human evolution. Weekly readings, discussions, and short writing assignments, with a final research paper and presentation.

Note: Required of and limited to biological anthropology concentrators.

***Anthropology 97z. Sophomore Tutorial in Social Anthropology**

Catalog Number: 5832

Lucia Volk

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

The sophomore tutorial provides an in-depth exploration and critique of major theoretical approaches in social and cultural anthropology, the historical context of their emergence, and their contribution and relation to the discipline as a whole. Seminar members will have a chance to read and discuss selected works by key theorists, and to see how their ideas have shaped ethnographic description and analysis.

Note: Required of all concentrators.

***Anthropology 98xa. Junior Tutorial in Archaeology**

Catalog Number: 2959

Eric Christopher Kansa

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

The junior tutorial provides a background in archaeological method and theory through critical analysis of selected issues and debates particularly focusing on more complex societies. Specific topics include the origins of agriculture and the domestication of animals, the development of complexity and “civilization” and post-colonial and historical archaeology and related ethical and theoretical issues. Weekly readings (drawn from current journal literature), discussions, several short writing assignments.

Note: Required of all concentrators in archaeology.

***Anthropology 98xb. Junior Tutorial in Archaeology**

Catalog Number: 3568

Eric Christopher Kansa

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

This individual tutorial for archaeology students intending to write a senior thesis is normally



undertaken with a member of the faculty during the second term of junior year. To enroll, a student *must submit a petition form* (available from the Undergraduate Office, William James 452) with a proposed course plan of study and the tutorial adviser's signature.

Note: Required of candidates for honors in archaeology.

***Anthropology 98y. Junior Tutorial in Biological Anthropology**

Catalog Number: 3923

Richard W. Wrangham

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

Individual tutorial with a member of the biological anthropology faculty for juniors who will be undertaking an honors thesis in senior year. To enroll, a student *must submit a petition form* (available from the Undergraduate Office, William James 452) with a proposed plan of study and the tutorial adviser's signature.

***Anthropology 98z. Junior Tutorial in Social Anthropology**

Catalog Number: 4503

Richard W. Wrangham

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

Junior tutorials in Social Anthropology explore critical theoretical issues related to a single ethnographic region (eg. South Asia, Africa, Latin America). The issues and areas change from year to year, but the purpose remains the same: to give students a chance to grapple with advanced readings and to experience the ways that ideas and theories can be applied and critically analyzed in ethnographic studies.

***Anthropology 99. Tutorial — Senior Year**

Catalog Number: 5830

Richard W. Wrangham

Full course. Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty adviser required.

Cross-listed Courses

Afro-American Studies 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 109r. History and Historiography in the Ancient Near East: Seminar]

Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)

[Ancient Near East 117. Biblical Archaeology]

[Ancient Near East 118. Syro-Palestinian Pottery]

***Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar**

***Biology 121a. Advanced Structure and Physiology of the Vertebrates**

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

Foreign Cultures 34. Mesoamerican Civilizations



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

[Foreign Cultures 74. Cultures of Southern Europe]

[Foreign Cultures 84. Tokyo](#)

[History 1743. Ethnocide, Ethnogenesis and Ethnohistory: Colonial South American](#)

[Perspectives: Conference Course](#)

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

[Islamic Civilizations 121. Politics, Society and Religion in North Africa from 1500 to the Present](#)

[Religion 1001. Ethnographic Imaginations]

[Religion 1528. Globalization and Human Values: Envisioning World Community](#)

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

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

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

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

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

[Visual and Environmental Studies 189. \(Trans\)Cultural Cinema: Aesthetics, Ideology, and Cultural Difference in Non-Fiction Film](#)

[Women's Studies 110c. Borders and Betrayals: Engendering Cultural Identities](#)

[Women's Studies 168. Fantasies of the Feminine: Representation and Social Process in Southeast Asia: Seminar Course](#)

For Undergraduates and Graduates

[Anthropology 100. Rediscovering Past Societies: A Survey of World Prehistory](#)

Catalog Number: 7182

Eric Christopher Kansa and Gary Urton

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

This course surveys 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 Shawn Adler and Carole A. Mandryk

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

This course is concerned with the actual practice of archaeology: How do archaeologists know where to dig? Why do we dig square holes? How do we analyze and understand what we find? 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 102. War Commemoration in America: Seminar

Catalog Number: 9882

Paulette G. Curtis

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

This seminar examines how 20th-century Americans create(d), use(d), interpret (ed), and challenge(d) the messages of places that commemorate war and other large-scale historical events. By examining several prominent war memorials, museum exhibits, and tourist sites, we will explore how Americans create nation, “tribe” ethnic group and military organization, as well as suggest ways anthropologists (who embrace the study of small scale, bounded communities) can examine the production of cultural meaning in transient, wide-open spaces.

[Anthropology 104. Language and Culture]

Catalog Number: 5844

Steven C. Caton

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

Examines the ways forms of speaking can constitute cultural life and vice versa. A comprehensive overview of linguistic theories of structuralism and their criticism will form the basis on which to proceed to an ethnography of speaking in different societies. Topics will include: the structuralism of Ferdinand de Saussure; the Sapir-Whorf Relativity Hypothesis and its modern evocations; pragmatics; performativity; Bakhtinian dialogicality; and poetry and poetics.

Note: Expected to be given in 2004–05. 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). M., W., at 10. 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 United States.

Anthropology 110. Introduction to Social Anthropology

Catalog Number: 8296

Theodore C. Bestor (fall term) and Lucia Volk (spring term)

Half course (fall term; repeated spring term). Fall: M., W., F., at 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). Hours to be arranged.

An introduction to the interaction between the endocrine system, behavior, and reproduction stressing primates and humans. General principles of endocrine physiology are presented first, including a survey of major hormonal, hormone production, receptor interactions and signal transduction, and feedback regulation. The second section of the course covers the relationship of the endocrine system to reproductive behavior, stress reactions, and cognition. The final section covers the role of the endocrine system in human reproductive ecology.

Note: Expected to be given in 2003–04. This course is a prerequisite for Anthropology 118.

Prerequisite: Science B-29, Science B-17, Biology 1, Biology 2, or Anthropology 138.

Anthropology 112. Archaeology of the African Diaspora: Seminar

Catalog Number: 9793

Lisa Marie Collins

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

This course will explore the methods and theories used by archaeologist in revealing the diverse history of Africans in the Americas. Issues pertaining to the academic and political contexts in which the field emerged will be discussed along with a general overview of the theoretical approaches and methods used in the field of historic archaeology, with a specific emphasis on the material culture associated with African-American populations.

[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.

This course is an examination of human sexuality in evolutionary perspective. Topics may include sexual selection, mate preferences, mating systems, sex differences, and sexual orientation, among other things. Students collect original data and analyze them for their research projects, with feedback from the class.

Note: Expected to be given in 2003–04. Fulfills the research seminar requirement for anthropology concentrators.

Prerequisite: Science B-29 or permission of instructor.

Anthropology 115. Primate Evolutionary Ecology

Catalog Number: 0571

Mark Leighton and John C. Barry



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

Survey of interactions between primates and their environments in an evolutionary context. Lectures discuss the influence of competition, predation, and other ecological processes on primate morphological and behavioral adaptations, population distribution and abundance, and coevolutionary relationships with other species. Interspecific comparisons are interpreted by modelling the ecological factors influencing feeding ecology, sociality, and community structure and niche relationships among other topics. Laboratory and field exercises using local vertebrates teach some methods of ecological investigation.

Prerequisite: An introductory course in Biology, or Science B-29, or permission of instructor.

***Anthropology 118. Endocrinology and Behavior: Research Seminar**

Catalog Number: 1437 Enrollment: Limited to 8. Preference given to anthropology graduate and undergraduate students.

Susan F. Lipson

Half course (spring term). M., W., at 11 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 119. Evolutionary Ecology of Environmental Management: Seminar

Catalog Number: 1877

Mark Leighton

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

Examination of evolutionary models of cooperation and collective action, as related to the behavioral ecology of humans and applied to the environmental problems requiring solutions during the 21st century. Topics include human warfare and competition for resources, natural resource management, conservation ecology, global climate change and human population problems. Lectures will be supplemented by discussions and debates to foster critical analysis of arguments regarding human collective action and public policy.

Anthropology 120. Anthropology, Cultural Studies, and Film

Catalog Number: 1522

Steven C. Caton

Half course (fall term). Tu., 11:30–1. EXAM GROUP: 13, 14

This course focuses on feature-length commercial film (rather than ethnographic or documentary film) and some of the culture industries (Hollywood and Iran) that produce them. What might an anthropology of film look like? Film theory and cultural studies will be examined for their contributions to the answer to that question. Topics to be explored are: the culture industry, critical theory, the ethnographic gaze, media studies, modernity, nationalism and transnationalism.

Note: Open to non-majors. Graduate students may enroll and make arrangements for specialized readings and assignments. Sections and evening viewing of films mandatory.



[Anthropology 122. Japanese Culture and Society]

Catalog Number: 6564

Theodore C. Bestor

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

Course examines contemporary Japanese culture and society, drawing on the research findings of anthropologists, sociologists, and social historians. Topics covered in this year's course may include: the recent history of Japanese family organization; household organization and inheritance patterns; the effects of industrialization on Japanese "tradition"; Japanese "modernity" and popular culture; inter-ethnic relations and social hierarchies; globalism and cultural transformations; schooling and workforce socialization; consumerism and Japanese corporate culture; gender relations and the changing role of women; local politics and the pursuit of "cultural authenticity"; and Japanese culture as an economic and political force in 21st-century East Asia.

Note: Expected to be given in 2003–04. Graduate students may enroll and make arrangements for specialized readings and assignments.

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

Catalog Number: 0889 Enrollment: Limited to 25.

Pauline E. Peters

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

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.

Note: Expected to be given in 2003–04.

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, this course surveys 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). W., 1–3. EXAM GROUP: 6, 7



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. This course uses 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.

[Anthropology 135. The Archaeology of the American Southwest]

Catalog Number: 8755

Steven A. LeBlanc

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

Considers the prehistory of the American Southwest from PaleoIndian times to European contact. Topics include the adoption of agriculture, the development and then collapse of social complexity, and how and why regional differences appeared. A basic familiarity with the artifacts—pottery, stone tools, etc.—will be developed, as well as a working knowledge of the major sites in the region. Includes ethnographic accounts to link the prehistoric people to modern indigenous populations.

Note: Expected to be given in 2003–04. Given in alternate years. 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. This course will 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. Human Behavioral Ecology

Catalog Number: 6675

Frank W. Marlowe

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

The behavioral ecology of humans is examined across modes of subsistence and in relation to other species. Topics include life history, optimal foraging, parental care, mating systems, cooperation, morality, social stratification, ethnocentrism, and cultural evolution.

Prerequisite: Science B-29 or permission of instructor.

[Anthropology 138. The Behavioral Biology of Women]

Catalog Number: 8721

Cheryl D. Knott

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

An exploration of female behavior focusing on evolutionary, physiological, and biosocial aspects of women's lives from puberty, through reproductive processes such as pregnancy, birth,



lactation, to menopause and aging. Also explores female life history strategies in different cultural settings. Topics include cognitive and behavioral differences between men and women; violence against women; and women's reproductive health choices. Examples are drawn from traditional and modern human societies and data from nonhuman primates are considered.

Note: Expected to be given in 2003–04.

[Anthropology 140. The Transition from Hunting-Gathering to Agriculture]

Catalog Number: 1837

Ofer Bar-Yosef and Richard H. Meadow

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

Introduces and critically evaluates data and ideas concerning strategy changes during the transition from hunting and gathering to agriculture in different regions of the world. Each regional session includes a brief summary of prehistoric hunter-gatherers in the area, the transition to farming, horticultural, or pastoral communities, the domestication of plants and animals, and the major interpretations or explanations for the transition.

Note: Expected to be given in 2003–04.

[Anthropology 142. Human Skeletal Growth and Function]

Catalog Number: 6233

Daniel E. Lieberman

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

This course provides an integrative overview of human musculo-skeletal anatomy, with a focus on aspects of developmental biology and functional morphology that are especially relevant to problems in human evolution. No prior knowledge of anatomy is required. Topics covered include: muscle and skeletal development, anatomy and histology; the biomechanics of muscles and bones; craniofacial growth and development; the functional morphology of chewing, respiration, vocalization, locomotion, and other activities.

Note: Expected to be given in 2003–04.

Prerequisite: Science B-27 recommended.

Anthropology 149. Primate Nutrition and the Evolution of the Human Diet: Research Seminar

Catalog Number: 6239 Enrollment: Limited to 12.

Cheryl D. Knott

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

An exploration of primate and human dietary adaptations, digestive physiology and feeding behavior. Using a nutritional, physiological and ecological framework, topics will include: nutritional requirements, optimal foraging in primates, maternal and infant nutrition, the nature of early hominid diets, the role of hunting and carnivory in human evolution, the impact of technology on dietary composition, the nutritional impact of agriculture, and modern human diets. Projects may include laboratory analyses of plant and animal foods.

[Anthropology 152. Mesopotamia - Egypt - The Indus Valley]

Catalog Number: 8398

C. C. Lamberg-Karlovsky

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



This course will examine the economic and political interaction that brought the Bronze Age Civilizations of the ancient Near East into contact. The Mesopotamian, the Gulf, Central Asian, Iranian Plateau, Levant, Egypt, and the Indus Valley will all be considered in relation to core-periphery concepts.

Note: Expected to be given in 2004–05.

[Anthropology 153. Nationalism and Bureaucracy]

Catalog Number: 0291 Enrollment: Limited to 20.

Michael Herzfeld

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

This course explores the ideological and practical foundations and effects of nationalism. Particular attention is focused on how nationalism is reproduced by bureaucrats in daily practice, and how rituals of national identity are organized and invested with meaning. Cases include systems of taxation, historic conservation, health care, and immigration. The course, comparative in scope, covers several different countries and systems, and is designed to highlight the contribution of ethnography to the analysis of national bureaucracies.

Note: Expected to be given in 2004–05.

Anthropology 157. Muslims in Multicultural America

Catalog Number: 9822

Jocelyne Cesari

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

The course will describe the ethnic and religious variety of Islamic communities in America, immigrant and indigenous. It will 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 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 2003–04.

Anthropology 160. Historical Archaeology

Catalog Number: 7044

Steven R. Pendery

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

This course is a survey of historical archaeology with a focus on the archaeology of greater Boston. Topics to be covered include the history and theory of historical archaeology, the natural



history and prehistory of the greater Boston area, the archaeology of early European settlements, Colonial and Revolutionary War sites, and the nineteenth century and the rise of industrialism. Students will gain hands-on experience by working with artifacts from the Longfellow National Historic Site.

Anthropology 161. Archaeological Field Methods

Catalog Number: 9450

Steven R. Pendery

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

This course is a survey of field methods in northeastern North American prehistoric and historical archaeology. Students will excavate at the Longfellow National Historic Site in Cambridge, process and analyze artifacts and report on the results. Topics to be covered include regional prehistory and historical archaeology, research design, remote sensing, GIS, surveying, archival research, soils and stratigraphy and artifact analysis.

Note: Classes will be held Thursdays 1-4pm at Vanserg 23 and at the Longfellow National Historic site at 105 Brattle Street.

Anthropology 162. Geographic Information Systems (GIS) for Anthropologists

Catalog Number: 9087

Hartmut Tschauner

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

This course introduces principles of geographic information systems as they apply to archaeology and anthropology. Students will learn how to use GIS hard- and software to collect, manage, and analyze spatial data, and how to harness spatial data to solve anthropological problems, such as settlement and habitat distributions, resource use, and formation processes of the archaeological record. Particular attention will be paid to GIS as a decision-support tool in archaeological fieldwork (with possible field excursions).

***Anthropology 163. Molecular Evolution of the Primates**

Catalog Number: 3359

Maryellen Ruvolo

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

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: Science B-59 or 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 ^{14}C 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 168. Anthropology at Home: Doing Fieldwork in Familiar Places]

Catalog Number: 2145

Mary M. Steedly

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

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? This course explores the problems of and prospects for doing fieldwork in familiar places.

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

***Anthropology 170. Behavioral Biology of Women: Research Seminar**

Catalog Number: 9664 Enrollment: Limited to 6.

Cheryl D. Knott

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

Students will conduct an in depth analysis and independent research on selected topics relating to the behavioral biology of women.

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. We will attempt to understand how the Inka integrated the varied peoples and resources of the Andes into a unified empire. The course ends with an overview of the destruction and transformation of Inka society and culture under Spanish colonialism. We will study 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. This course addresses such questions as: 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 181r (formerly Anthropology 228r). Biology of Aggression

Catalog Number: 6107

Richard W. Wrangham

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

Discussion will focus on primate inter-group aggression, with particular attention to humans and chimpanzees. The course will be based around a behavioral-ecological perspective but will include readings from various disciplines, including behavioral ecology, behavioral genetics, social psychology, developmental psychology, neurobiology, social anthropology, political science and international relations.

Anthropology 184. Ethnicity in the Americas: The Indian Question

Catalog Number: 6872

David H. P. Maybury-Lewis

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

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 187. Death and the Body in the Americas: Seminar

Catalog Number: 9427

James L. Fitzsimmons

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Corpses convey ideas about death and the afterlife, social boundaries, and even what it is to be human. In the archaeology of the Americas, human remains can be viewed as the culmination of rites of passage designed to transform the dead into revered ancestors. This course provides an overview of how death—and the dead—were viewed in the Americas in the years prior to contact with Europeans.

Note: Preference given to anthropology majors but undergraduates and graduates from all fields welcome.

Anthropology 190. Quantitative Methods In Anthropology

Catalog Number: 3491

Yun Kuen Lee

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

Examines the application of quantitative methods in Anthropology. Emphasizes the understanding of statistical inferences from intuitive reasoning and getting meaningful answers to anthropological problems. Weekly exercises are designed to give hands-on experience of quantitative applications in Anthropology by using packaged statistical programs. Students will have the chance to experiment systematically with data in order to estimate probabilities and make statistical inferences, to extract data structures by using univariate and bivariate methods in anthropological research.

Note: Open to both graduates and undergraduates.

Prerequisite: Undergraduates must have completed the quantitative reasoning requirement.



Anthropology 191. Current Topics in Palaeolithic Archaeology and Human Evolution

Catalog Number: 8507

Daniel Shawn Adler

Half course (spring term). Th., 3–5 with a one-hour weekly section to be arranged. EXAM GROUP: 17, 18

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: Open to Freshmen.

[*Anthropology 194r. Topics in Primate and Human Evolution]

Catalog Number: 2462

David Pilbeam

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

A lecture-seminar-laboratory course on current issues in the fields of paleoanthropology and evolutionary primatology.

Note: Expected to be given in 2003–04. Fulfills the research seminar requirement for anthropology concentrators.

Prerequisite: Anthropology 117 or equivalent.

[Anthropology 198. Violence and the Media]

Catalog Number: 7864 Enrollment: Limited to 20.

Kay B. Warren

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

The way diverse media—testimonies, TV, truth commissions, the internet—portray violent conflict. At issue are the representation of pain and social suffering and the political uses of media to justify violence. The goals of this course are to gain insight into violent conflicts—Vietnam, Northern Ireland, Latin American counterinsurgency wars, racial clashes in the US—and to develop interpretive tools for media analysis.

Note: Expected to be given in 2003–04. Open only to upperclass students. Preference given to Anthropology students.

Primarily for Graduates

***Anthropology 200 (formerly *Anthropology 200a). Osteoarchaeology Lab**

Catalog Number: 0363 Enrollment: Limited to 12.

Richard H. Meadow

Half course (fall term). Th., 1–5 and a weekly four hour laboratory to be arranged. EXAM GROUP: 15, 16, 17, 18

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: Given in alternate years. Open to qualified undergraduates. Fulfills osteology requirement for archaeology graduate students. 1st meeting time will be Wednesday, September 18 at 4 p.m. in the Zooarchaeology Lab, Peabody Museum 35B.



[*Anthropology 203. Human Genetic Diversity: Seminar]

Catalog Number: 0775 Enrollment: Strictly limited to biological anthropology graduate students.

Maryellen Ruvolo

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

Note: Expected to be given in 2003–04. Restricted to biological anthropology graduate students preparing for general exams.

***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 Ph.D. in Social Anthropology. Limited to doctoral candidates. Not open to undergraduates.

Anthropology 205b. History and Theory of Social Anthropology: Proseminar

Catalog Number: 7971

Arthur Kleinman

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

Continuation of Anthropology 205a. Limited to doctoral candidates. Not open to undergraduates.

[Anthropology 206r. Topics in Paleolithic Archaeology and Human Evolution]

Catalog Number: 8630

Ofer Bar-Yosef

Half course (spring 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.

Note: Expected to be given in 2003–04.

[*Anthropology 207. Archaeological Method and Theory: Seminar]

Catalog Number: 4634

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

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: Expected to be given in 2003–04. 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 particular emphasis on the development of political organization and its maintenance through the manipulation of symbols in ritual and art and the control of economic processes.

Note: Expected to be given in 2003–04.

[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 2003–04. Open to undergraduates doing senior thesis research in this area.

Prerequisite: Science B-59 or Biological Sciences 50

[Anthropology 213. Theories of Discourse in Middle Eastern Ethnography]

Catalog Number: 8989

Steven C. Caton

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

The discursive construction of culture and its complex politics are examined in a wide range of recent ethnographies from the Middle East. Topics include: tribalism, nationalism, gender, personhood, orientalism, and post-colonialism.

Note: Expected to be given in 2004–05.

[Anthropology 217. Human Evolution Seminar]

Catalog Number: 6884 Enrollment: Limited to graduate students in biological anthropology.

David Pilbeam

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

Reading and discussion of current research in human evolution, taken with lectures, labs and tests of Science B-27.

Note: Expected to be given in 2003–04. Required of entering graduate students in biological anthropology.

[Anthropology 219. Cross-Cultural Evolutionary Analysis](#)

Catalog Number: 9639

Frank W. Marlowe

Half course (spring term). M., 3:30–5:30. EXAM GROUP: 8, 9

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 of the Human Relations Area Files.

Note: Open to graduate students and upper division undergrads in anthropology.

[Anthropology 221. The Anthropology of Knowledge: Seminar]

Catalog Number: 7070

Michael Herzfeld

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

Comparative exploration of local epistemologies from craft apprentices and skilled manual workers to schoolchildren and scientists, emphasizing the embodiment, inculcation, and transmission of practical knowledge and the relationships among cosmology, social context, and pragmatic understanding.

Note: Expected to be given in 2003–04.

Anthropology 225. Mortuary Analysis: Seminar

Catalog Number: 7852

Yun Kuen Lee

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

Mortuary data is one of the most frequently recovered data classes in archaeology. This course examines the epistemology, theory, and method of the use of mortuary data in archaeological research from the perspective of the various current archaeological schools.

***Anthropology 226t. Research Design**

Catalog Number: 9193 Enrollment: Limited to 12.

Theodore C. Bestor

Half course (spring term). W., 3–6. EXAM GROUP: 8, 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: Open only 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). Tu., 1–3. EXAM GROUP: 15, 16

This seminar examines the core-periphery relations of Mesopotamia, the Iranian Plateau, the Indus Civilization, Central Asia and the Persian/Arabian Gulf.

[Anthropology 229. Behavioral Biology Seminar]

Catalog Number: 3777

Frank W. Marlowe

Half course (spring 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: Expected to be given in 2003–04. 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.

Anthropology 231. Major Steps in Human Evolution

Catalog Number: 1513

David Pilbeam, Mark Leighton, Daniel E. Lieberman, and Richard W. Wrangham

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

An integrated approach (morphological, functional, behavioral, ecological) to the major “steps” in hominid evolution: e.g. origins, initial diversification, Homo, Homo sapiens.

Note: Limited to graduate students in Biological Anthropology

Anthropology 234. Postcoloniality and Ethnography

Catalog Number: 9404

Smita Lahiri

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

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.

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

Cheryl D. Knott

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

Independent laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior.

Note: Expected to be given in 2003–04.

***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 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 2003–04.

Anthropology 241. Digital Archaeology: Computer and Spatial Technologies in Archaeological Research

Catalog Number: 9789

Hartmut Tschauner

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 (fall term). Hours to be arranged.

Briefly reviews the figure of mental illness in Western thought and the social sciences, then

focuses on themes in cross-cultural studies of psychopathology: culture and diagnosis; cultural

influences on depression, schizophrenia, and dissociation; madness in non-Euroamerican healing

systems; and transnational aspects of psychiatry.

Note: Expected to be given in 2003–04.

Anthropology 246. Maincurrents in Anthropological Thought

Catalog Number: 9980

Nur Yalman

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

Developments in social theory in the British, French, German, and American traditions.

Positivism, Marxism, Structuralism, Post-modernism reconsidered. Comparisons with Asian traditions of just societies.

Note: Limited to graduate students.



[Anthropology 250. Local Biologies: Perspectives on the Interaction Between Culture and Biology]

Catalog Number: 8267

Arthur Kleinman

Half course (fall term). 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 2004–05. Open to advanced undergraduates with permission of the instructor.

Anthropology 252. Introduction to Maya Hieroglyphs

Catalog Number: 3684

David S. Stuart

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

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.

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). W., 1–3. EXAM GROUP: 6, 7

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.

[Anthropology 257g. Anthropological Interviewing]

Catalog Number: 5768 Enrollment: Limited to 15.

Byron J. Good (Medical School)

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

Will provide theoretical grounding and practical supervision in ethnographic interviewing. Will address life history and interview design, developing and managing intimacy, recognizing transference and countertransference, recording and transcribing data, and textual analysis.

Note: Expected to be given in 2003–04.

[Anthropology 259. Culture, Politics, and the Media]

Catalog Number: 8797

Kay B. Warren

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



This seminar examines the shifting meanings of “the political” across the post-Cold War and post 9/11 transitions. Topics include (a) realist representation in mass media, film, museums, popular culture, testimonio, and ethnography and (b) political imaginaries of the violent vs. democratic state. Issues raised by repoliticized and depoliticized situations in different world regions.

Note: Expected to be given in 2003–04. Limited to graduate students. No auditors.

[Anthropology 260. Ethnography of Latin America: Views Across The Pacific Rim]

Catalog Number: 8928

Kay B. Warren

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

A survey of ethnographic experiments to highlight representational dilemmas in research and writing on Latin America. Theoretical and methodological issues raised by post-Marxism, postmodernism, and cultural studies debates in the U.S. and Latin America; indigenous anthropology; transculturalism and borderlands; and the use and abuse of ethnographic classics.

Note: Expected to be given in 2003–04. Open to junior and senior Anthropology concentrators with a background in Latin America. No auditors.

[Anthropology 262. Kinship Practice]

Catalog Number: 5896

James L. Watson

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

Research seminar focusing on the practice of kinship in everyday life, with emphasis on methodology and fieldwork. Students write papers on topics relating to their future research.

Note: Expected to be given in 2003–04. Limited to graduate students.

Anthropology 263. Globalization and Culture

Catalog Number: 5127

James L. Watson

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

Examines recent theories of transnationalism and globalism, with emphasis on popular culture (music, TV, entertainment, food systems, etc.). Focus on debates regarding cultural imperialism and the effects of transnational corporations on “local” cultures.

[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 2003–04. May count for graduate ethnography. Given in alternate years.

Anthropology 266br. Materials in Ancient Societies: Stone

Catalog Number: 7163



Daniel Shawn Adler

Half course (spring term). Tu., 1–4; Th., 1–5. EXAM GROUP: 15, 16

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: Permission of instructor required for senior undergraduates CMRAE Graduate Laboratory, MIT Bldg. 16 Rm. 536.

Anthropology 266dr (formerly Anthropology 266ar). Introduction to Field Conservation for the Archaeologist

Catalog Number: 5945

Richard H. Meadow

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

This course explores how to: consider material needs of the artifacts during excavation; mitigate post- excavation deterioration of artifacts; perform conservation activities and, store artifacts so they will survive for future study.

Note: Permission of instructor required for senior undergraduates. First class on Tuesday, 17 September 2002. Classes held in CMRAE Graduate Laboratory, MIT Bldg. 16 Rm. 536.

Anthropology 267r. Current Issues in Reproductive Ecology

Catalog Number: 3717

Peter T. Ellison

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

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). M., 1–3. EXAM GROUP: 6, 7

Intensive, critical review of major ethnographies, exploring the relationship between society and personhood, examining ethnographic writing and its relation to other genres (including biography); and tracing anthropological theory through changes in descriptive and analytic practice.

Note: Given in alternate years.

***Anthropology 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: Open only to graduate students with permission of instructor.



[Anthropology 275. Gender Issues in Biological Anthropology]

Catalog Number: 3764

Cheryl D. Knott

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

An examination of the role and influence of gender in studies of primatology, human behavioral ecology and human evolution. Topics include aggression, sexual coercion, the evolution of patriarchy, sex differences, and hormonal influences on behavior.

Note: Expected to be given in 2003–04.

Anthropology 276. New Ethnographies in the Anthropology of Social Experience

Catalog Number: 5029

Arthur Kleinman

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

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: May be open to advanced undergraduates.

Anthropology 277. Development Dilemmas

Catalog Number: 8724

Pauline E. Peters

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

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.

Anthropology 280. Culture

Catalog Number: 1114

Mary M. Steedly

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

“Culture” is one of anthropology’s key concepts, but there has never been agreement as to the term’s meaning. This course tours the work of culture’s key theorists. Is culture still a useful concept in anthropological analysis?

Anthropology 286. Reading Theory through Ethnography

Catalog Number: 9765

Anna Tsing (University of California, Santa Cruz)

Half course (fall term). M., 7–9 p.m. EXAM GROUP: 9

Close readings of ethnographic texts allow our entrance into debates in social theory. Moving between big questions and small details, we consider controversies of passion and science, mobility and place-making, social determinism and political domination.

[*Anthropology 288r. Zooarchaeology: Seminar]

Catalog Number: 5453

Richard H. Meadow



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

Topics relating to the analysis and interpretation of faunal remains from archaeological sites discussed. The domains of taphonomy, assemblage characterization, quantification, environmental and dietary reconstruction, and human/nonhuman animal interaction considered using case studies from archaeology and anthropology, paleontology, and zoology.

Note: Expected to be given in 2003–04. Does not fulfill osteology requirement for Archaeology graduate students.

[Anthropology 289. Culture and Violence]

Catalog Number: 2538

Kay B. Warren

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

The anthropology of violence and the ethnographic representation of militant ethnic nationalism, communal violence, organized crime, state terrorism, death squads, and epistemic and structural violence. Comparative consideration of human rights, truth commissions, and peace processes.

Note: Expected to be given in 2003–04.

Anthropology 292. Japanese Urbanization

Catalog Number: 9559

Theodore C. Bestor

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

A research seminar on selected topics in the anthropological analysis of Japanese urban culture and society.

***Anthropology 295ar. Laboratory Methods in Evolutionary Genetics**

Catalog Number: 7934 Enrollment: Limited to graduate students and undergraduates conducting senior thesis research.

Maryellen Ruvolo

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

***Anthropology 295br. Laboratory Methods in Evolutionary Genetics**

Catalog Number: 6468 Enrollment: Limited to graduate students and undergraduates conducting senior thesis research.

Maryellen Ruvolo

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

Anthropology 296r. Chinese Social Anthropology: Seminar

Catalog Number: 4633 Enrollment: Limited to graduate students.

James L. Watson

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

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.

[*Anthropology 298 (formerly Anthropology 172). Sociocultural Space and Time: Seminar]

Catalog Number: 6527



Engseng Ho

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

We revisit the development of social theory (structure, practice, subject, domination) through cultivating an eye for the sensuous properties of spatiotemporal media/phenomena (landscape painting, built form, imperial and industrial mobility, travel narratives, genealogy, fame, diaspora).

Note: Expected to be given in 2003–04. Open to graduate students only.

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 Ph.D. 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 (on leave fall term), Frank W. Marlowe 757 (on leave fall term) (spring term only), 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 305. Experimental Methods in Biological Anthropology**

Catalog Number: 9602

Daniel E. Lieberman 3980

***Anthropology 311. Methods and Theory in Archaeology**

Catalog Number: 5440

William L. Fash 1512 (on leave 2002-03), Ofer Bar-Yosef 1887 (on leave spring term), C. C. Lamberg-Karlovsky 2387, Carole A. Mandryk 1037, and Richard H. Meadow 1572



***Anthropology 320. Advanced Physical Anthropology: Laboratory and Theses**

Catalog Number: 2092

John C. Barry 1892, Irven DeVore 1041, Peter T. Ellison 7413, Cheryl D. Knott 3717 (on leave spring term), Daniel E. Lieberman 3980 (on leave fall term), Frank W. Marlowe 757 (on leave fall term), David Pilbeam 7224, Maryellen Ruvolo 2512, and Richard W. Wrangham 2349

***Anthropology 323. Old World Archaeology (Europe, Asia, and Africa)**

Catalog Number: 3463

Ofer Bar-Yosef 1887 (on leave spring term), C. C. Lamberg-Karlovsky 2387, and Richard H. Meadow 1572

***Anthropology 324. Asiatic Archaeology and Ethnography**

Catalog Number: 5398

C. C. Lamberg-Karlovsky 2387, Lawrence E. Stager 1468, Stanley J. Tambiah 4692, and Nur Yalman 3780

***Anthropology 327. Scientific Archaeology**

Catalog Number: 0284

Richard H. Meadow 1572

***Anthropology 329. Archaeology and Ethnography of the Near and Middle East**

Catalog Number: 3787

Ofer Bar-Yosef 1887 (on leave spring term), C. C. Lamberg-Karlovsky 2387, and Nur Yalman 3780

***Anthropology 330. Supervised Field Work in Anthropology**

Catalog Number: 5683

Members of the Department

Half course (fall term; repeated spring term). Lectures, conferences, field and laboratory work. Daily, at the pleasure of the instructor.

General instruction in field methods and practice in the various divisions of anthropology, including archaeology, ethnography, and physical anthropology. Instructional personnel and location of course vary with the research program of the staff.

Note: May be taken by graduate students for academic credit, but since it is tuition-free, does not count for residence credit leading to reduced tuition. Open to students with adequate previous training in the subject.

***Anthropology 340. Reading and Research**

Catalog Number: 6699

Theodore C. Bestor 2292, David L. Carrasco 4213, Steven C. Caton 2307, Jocelyne Cesari 4473 (spring term only), Peter T. Ellison 7413, Byron J. Good (Medical School) 7648, Michael Herzfeld 3122 (on leave spring term), Engseng Ho 3094 (on leave 2002-03), Arthur Kleinman 7473, Cheryl D. Knott 3717 (on leave spring term), C. C. Lamberg-Karlovsky 2387, Daniel E. Lieberman 3980 (on leave fall term), Carole A. Mandryk 1037, Frank W. Marlowe 757 (on leave fall term), J. Lorand Matory 3098, David H. P. Maybury-Lewis 2391 (on leave fall term), Richard H. Meadow 1572, Sally F. Moore 7225, Pauline E. Peters 2911, David Pilbeam 7224,



Maryellen Ruvolo 2512, Mary M. Steedly 2783, David S. Stuart 3559, Stanley J. Tambiah 4692, Kay B. Warren 2388 (on leave spring term), James L. Watson 2172, Rubie S. Watson 3326, Richard W. Wrangham 2349, and Nur Yalman 3780

***Anthropology 351. Direction of Doctoral Dissertations**

Catalog Number: 1864

Members of the Department

Note: Consult the appropriate member of the Department.

Applied Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Applied Mathematics

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics (*Director of Undergraduate Studies*)

William H. Bossert, David B. Arnold, Jr. Professor of Science

Michael P. Brenner, Gordon McKay Professor of Applied Mathematics and Applied Physics

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science (*on leave fall term*)

Daniel S. Fisher, Professor of Physics and Professor of Applied Physics

Anthony A. Harkin, Instructor in Applied Mathematics

Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics

Navin Khaneja, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics (*on leave fall term*)

Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics

Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Other Faculty Offering Instruction in Applied Mathematics

Jeremy Bloxham, Harvard College Professor and Professor of Geophysics

Arthur P. Dempster, Professor of Theoretical Statistics



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. 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 Anthony A. Harkin

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

Complex numbers. Multivariate calculus: partial differentiation, directional derivatives, techniques of integration and multiple integration. Vectors: dot and cross products, parameterized curves, line and surface integrals. Vector calculus: gradient, divergence and curl, Green's, Stokes' and Gauss' theorems, including orthogonal curvilinear coordinates.

Note: May not be taken for credit by students who have passed Mathematics 21a. 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 Anthony A. Harkin

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

Linear algebra: matrices, determinants, eigenvalues, eigenvectors, Markov processes. Optimization and least-squares analysis. Ordinary differential equations. Infinite series and Fourier series. Orthogonality and completeness. Introduction to partial differential equations.

Note: May not be taken for credit by students who have passed Mathematics 21b.

Prerequisite: Applied Mathematics 21a or equivalent.

***Applied Mathematics 91r. Supervised Reading and Research**

Catalog Number: 7607

Donald G. M. Anderson

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

An individual project of guided reading and research culminating in a substantial paper or other piece of work which can be meaningfully evaluated to assign a letter grade; may not be taken on a 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

Efthimios Kaxiras

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

Michael P. Brenner

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

Ordinary differential equations: power series solutions; special functions; eigenfunction expansions. Algebra and calculus of vectors, dyadics, and tensors. Elementary partial differential equations: separation of variables and series solutions; similarity solutions; comparison of elliptic, parabolic and hyperbolic systems. Asymptotics.

Note: Applied Mathematics 105a and 105b are independent courses, and may be taken in any order.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b.

**[Applied Mathematics 106. Applied Algebra and Combinatorics]**

Catalog Number: 3871

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

Introduction to abstract algebra and its applications. Topics covered include sets, subsets, and partitions; mappings, operations, and equivalence relations; groups, rings, and fields; counting and number systems; and polynomials. Though the primary aim of the course is to establish the mathematical formalism and conceptual apparatus necessary for some future mathematics and engineering courses, examples will be given from applications such as finite automata, encryption, computer coding, and modular arithmetic.

Note: Expected to be given in 2003–04.

Applied Mathematics 107. Graph Theory and Combinatorics

Catalog Number: 6411

*Leslie G. Valiant**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Topics in combinatorial mathematics that find frequent application in computer science, engineering, and general applied mathematics. Specific topics taken from graph theory, enumeration techniques, optimization theory, combinatorial algorithms, and discrete probability.

Applied Mathematics 111. Introduction to Scientific Computing

Catalog Number: 7000

*Donald G. M. Anderson**Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Elementary numerical methods and their computer implementation: linear and nonlinear equations; interpolation, differentiation and quadrature; ordinary differential equation initial and boundary value problems.

Note: Expected to be omitted in 2003–04. Offered in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b. Ability to program in some high-level computer language.

[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 given in 2003–04. Offered in alternate years.

Prerequisite: Applied Mathematics 21b, or Mathematics 21b, or equivalent.

[Applied Mathematics 147. Non-linear Dynamical Systems]

Catalog Number: 7708

*Daniel S. Fisher**Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*

An introduction to non-linear dynamical phenomena focussing on the behavior of systems



described by ordinary differential equations such as oscillations, bifurcations and chaos. Approximations by maps, multiple-scale methods, and other techniques will be introduced. Some stochastic processes will also be studied. Applications will be made to physical and biological systems.

Note: Expected to be given in 2003–04.

Prerequisite: Mathematics 21a and 21b, or Applied Mathematics 21a and 21b.

Applied Mathematics 190. Probability Models, Modeling, and Inference

Catalog Number: 7613

Arthur P. Dempster

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

A survey of probabilistic constructs used to represent and assess scientific uncertainty. Covers sampling, time series, and space-time models, and associated inference methodologies, with an emphasis on Bayesian analysis and Monte Carlo methods. Content divides about two thirds to mathematical content and one third to applications emphasizing complex phenomena in areas such as environmental sciences, bioinformatics, and socioeconomic systems.

Prerequisite: Applied Mathematics 21a and 21b, Mathematics 21a and 21b, or equivalent

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

Donald G. M. Anderson

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Theory and techniques for finding exact and approximate analytical solutions of partial differential and integral equations, and related topics: eigenfunction expansions, Green functions, variational calculus, transform techniques, perturbation methods, characteristics.

Note: Expected to be omitted in 2003–04. Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b, or equivalent.

[Applied Mathematics 203. Topics in Applied Mathematics]

Catalog Number: 6336

Tai T. Wu



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

Selected advanced mathematical methods. Topics vary from year to year. Examples are asymptotic analysis, WKB theory, multiscale analysis, solitons, singular integral equations, Wiener-Hopf theory.

Note: Expected to be given in 2003–04.

Prerequisite: Applied Mathematics 201 or equivalent.

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.

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 omitted in 2003–04. Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b; and Applied Mathematics 120 or Mathematics 121, or equivalent.

[Applied Mathematics 211. Introduction to Numerical Mathematics]

Catalog Number: 1894

Donald G. M. Anderson

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

Principles and techniques of numerical analysis, synthesis and computation: interpolation and approximation, numerical quadrature and differentiation, linear and nonlinear equations, optimization, differential and integral equations.

Note: Expected to be given in 2003–04. Offered 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 given in 2003–04. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent.



Applied Mathematics 299r. Special Topics in Applied Mathematics

Catalog Number: 5798

Venkatesh Narayanamurti

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

Supervision of experimental or theoretical research on acceptable applied mathematics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants should 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

***Applied Mathematics 315,316. Stochastic Processes, Dynamical Systems, Applied Differential Geometry**

Catalog Number: 2458,2459

Roger W. Brockett 3001 (on leave fall term)

***Applied Mathematics 317,318. Special Topics in Physical Mathematics**

Catalog Number: 9160,2166

Michael P. Brenner 4101

***Applied Mathematics 321,322. Biological Applications of Mathematics and Automatic Computers**

Catalog Number: 7615,4243

William H. Bossert 1049

***Applied Mathematics 331,332. Theoretical Mechanics 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

Harry A. Atwater, Gordon McKay Professor of Applied Physics and Materials Science
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
Federico Capasso, Gordon McKay Professor of Applied Physics
Daniel S. Fisher, Professor of Physics and Professor of Applied Physics
Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science (*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
R. Victor Jones, Robert L. Wallace Professor of Applied Physics ()
Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry, Arthur and Ruth W. Sloan Research Professor of Chemistry, Arthur and Ruwth W Sloan Research Professor of Chemistry (*on leave spring 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
Warren J. Moberlychan, Lecturer on Applied Physics
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)
David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics
Alfred A. Pandiscio, Senior Lecturer on Electronics on the Gordon McKay Endowment
Peter S. Pershan, Frank B. Baird, Jr. Professor of Science
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
Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics



Michael Tinkham, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics

David A. Weitz, Gordon McKay Professor of Applied Physics and Professor of Physics

Robert M. Westervelt, Gordon McKay Professor of Applied Physics and Professor of Physics
(on leave fall term)

Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (on leave spring term)

Other Faculty Offering Instruction in Applied Physics

Eugene A. Demler, Assistant Professor of Physics

Henry Ehrenreich, Clowes Research Professor of Science

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: Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a formal course in solid state physics, are strongly advised to take this course first. Students may wish to take Physics 195, whose content is very similar, when this course is bracketed.

Primarily for Graduates

Applied Physics 216. 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.



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). Hours to be arranged.

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 2003–04. Students may wish to take Physics 265, whose content is very similar, when this course is bracketed.

Prerequisite: Graduate level class in electromagnetism/electrodynamics (Physics 232a for example) and one semester of intermediate or advanced quantum mechanics. Applied Physics 216 is recommended.

Applied Physics 282. Solids: Structure and Defects

Catalog Number: 5737

Frans A. Spaepen

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Bonding, crystallography, diffraction, phase diagrams, microstructure, point defects, dislocations, grain boundaries.

Note: Intended for students planning to specialize in applied mechanics, materials science, solid state physics and chemistry.

Applied Physics 283. Physics of Semiconductors and Semiconductor Devices

Catalog Number: 9632

Harry A. Atwater

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.

[Applied Physics 284. Statistical Thermodynamics]

Catalog Number: 2257

David R. Nelson

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

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; fluctuations about equilibrium, Langevin equations and Fokker-Planck descriptions of time-dependent phenomena. Time permitting, a brief introduction to the statistical mechanics of the DNA sequences which define biological organisms will be given.

Note: Expected to be given in 2003–04. It is suggested that students may wish to take Physics



262 when this course is bracketed.

Prerequisite: Ordinarily, Physics 143a,b and Physics 181 or Engineering Sciences 181.

Applied Physics 291. Electron Microscopy Laboratory

Catalog Number: 1761 Enrollment: Limited to 12.

Warren J. Moberlychan

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

Laboratory instruction in and lectures on transmission electron microscopy and related instrumentation for materials analysis. Students perform experiments on alignment, electron diffraction, bright and dark field imaging, X-ray spectroscopy, high-resolution imaging and sample preparation.

Note: Course intended for graduate students planning to use materials analysis in their research.

Applied Physics 292. Kinetics of Condensed Phase Processes

Catalog Number: 3733

Michael J. Aziz

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

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.

Note: Expected to be given in 2003–04.

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

*Eugene A. Demler**Half course (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7*

Electrical, thermal, magnetic and optical properties of solids will be discussed and treated based on statistical mechanics and quantum mechanical models using mostly single electron approximations. Metals, semiconductors, and insulators will be covered. The connections between theory, experiment and applications will be stressed throughout.

Prerequisite: Applied Physics 195 or equivalent, and one full quantum mechanics graduate level course similar to Physics 251a. Physics 251b may be taken concurrently.

Applied Physics 295b. Quantum Theory of Solids

Catalog Number: 3610

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

Theoretical description of solids focusing on the effects of interactions between electrons, including dielectric response, Fermi liquid theory, magnetism, and superconductivity.

Prerequisite: Applied Physics 295a, quantum mechanics, or permission of instructor.

Applied Physics 296r. Superconductivity

Catalog Number: 0219

*Michael Tinkham**Half course (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.

Applied Physics 298r. Interdisciplinary Chemistry, Engineering and Physics: Seminar

Catalog Number: 7500

*Robert M. Westervelt**Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16*

An interdisciplinary field of research combining Chemistry, Engineering, and Physics will be described in a series of lectures on fundamental concepts with examples from current research. In 2003, Nanoscale Science and Engineering will be presented using topics from: Growth of Nanoscale Structures, Imaging Electrons inside Nanostructures, and Spins and Charges in Coherent Electronics. A paper and oral presentation on one of the topics will be assigned. In 2005, Materials Research Science and Engineering will be presented.

Note: Taught in 2003 by faculty associated with the Nanoscale Science and Engineering Center.

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 should 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 (formerly Electromagnetism I). 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 (on leave fall term)

***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 Solids and Surfaces**

Catalog Number: 7902,7903

Efthimios Kaxiras 3050

***Applied Physics 337,338. Growth and Properties of Nanostructures and Nanostructure Assemblies; Development and Application of New Probe Microscopies; Biophysics**

Catalog Number: 3050,3051

Charles M. Lieber 3102 (on leave spring term)



***Applied Physics 339,340. Topics in Electromagnetic Theory**

Catalog Number: 4258,3127

Tai T. Wu 1051 (on leave spring term)

***Applied Physics 343,344. Topics in Electromagnetic Theory and Molecular Spectroscopy**

Catalog Number: 2695,4213

Patrick Thaddeus 1398

***Applied Physics 347,348. Solid Mechanics in Seismology and Materials Physics**

Catalog Number: 4033,3514

James R. Rice 7270 (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

***Applied Physics 355,356. Special Topics in Theoretical Engineering**

Catalog Number: 4864,9197

Michael P. Brenner 4101

***Applied Physics 359,360. Quantum Optics and Molecular Physics**

Catalog Number: 5760,3525

Eric Mazur 7952

***Applied Physics 361,362. Photonics, Quantum Devices and Nanostructures**

Catalog Number: 9431,9506

Federico Capasso 4571

***Applied Physics 363,364. Experimental Soft Condensed Matter Physics**

Catalog Number: 8975,7242

David A. Weitz 2497

***Applied Physics 365,366. Experimental Condensed Matter: Ballistic Transport in Semiconductors, Nanostructures, and Tunneling Microscopy**

Catalog Number: 9195,0425

Venkatesh Narayanamurti 5445

***Applied Physics 367,368. Topics on Condensed Matter Physics**

Catalog Number: 6975,4173

David R. Nelson 5066



***Applied Physics 369,370. Experimental Condensed Matter: Synchrotron X-Ray Scattering Studies of Interfacial Phenomena (Liquids and Solid)**

Catalog Number: 2442,7532

Peter S. Pershan 1105

***Applied Physics 375,376. Superconductivity and Mesoscopic Physics**

Catalog Number: 8203,4912

Michael Tinkham 2131

***Applied Physics 381,382. Special Topics in Fluid Dynamics**

Catalog Number: 4554,2668

Howard A. Stone 2073

***Applied Physics 385,386. Dynamics of the Ocean; Interdisciplinary Modeling; Geophysical Fluid Dynamics**

Catalog Number: 2878,2879

Allan R. Robinson 2133

***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*)
Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology (*on leave spring term*)

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

Kathleen M. Coleman, Professor of Latin

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology (*on leave 2002-03*)

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave fall term*)

Steven A. LeBlanc, Senior Lecturer on Anthropology

Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*on leave spring term*)

Richard H. Meadow, Senior Lecturer on Anthropology

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Piotr Steinkeller, Professor of Assyriology

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

The Committee on Archaeology is a multidisciplinary group of scholars appointed to coordinate the teaching of archaeology among Harvard's departments. It is designed to advance knowledge of archaeological activity, research, fieldwork, and scientific techniques in the many and varied fields where archaeology is an established and desirable approach to past cultures and histories around the world. It holds a monthly interdepartmental seminar on archaeological themes, and encourages students in the several departments to join together outside their specialties for the advancement of knowledge. It publishes an electronic calendar of forthcoming archaeological lectures and activities in the Boston area.

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, Director of the Asia Center (*Chair*)

William P. Alford, Henry L. Stimson Professor of Law (*Law School*)



Theodore C. Bestor, Professor of Anthropology
 Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language
 Peter K. Bol, Harvard College Professor and Charles H. Carswell Professor of East Asian Languages and Civilizations (*on leave 2002-03*)
 Harold Bolitho, Professor of Japanese History
 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
 Carter J. Eckert, Professor of Korean History
 Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*on leave 2002-03*)
 Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*on leave fall term*)
 William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)
 Yasheng Huang, Associate Professor of Business (*Business School*)
 Wilt Lukas Idema, Professor of Chinese Literature
 Akira Iriye, Charles Warren Professor of American History
 Wesley M. Jacobsen, Professor of the Practice of the Japanese Language
 Devesh Kapur, Associate Professor of Government (*on leave 2002-03*)
 Arthur Kleinman, 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
 Wai-yee Li, Professor of Chinese Literature (*on leave 2002-03*)
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
 David McCann, Korea Foundation Professor of Korean Literature
 Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
 F. Warren McFarlan, Albert H. Gordon Professor of Business (*Business School*)
 Robert D. Mowry, Senior Lecturer on History of Art and Architecture
 Stephen Owen, Associate of Adams House, James Bryant Conant University Professor (*on leave 2002-03*)
 Elizabeth J. Perry, Henry Rosovsky Professor of Government (*on leave 2002-03*)
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
 John Mark Ramseyer, Mitsubishi Professor of Japanese Legal Studies (*Law School*)
 Michael Robin Reich, Professor of Population and International Health (*Public Health*)
 Peter G. Rowe, Raymond Garbe Professor of Architecture and Urban Design and Dean of the Graduate School of Design (*Design School*)
 Jay Rubin, Takashima Professor of Japanese Humanities
 Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*)
 Mary M. Steedly, Professor of Anthropology
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*on leave fall term*)
 Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies (*on leave spring term*)
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society
 Martin K. Whyte, Professor of Sociology



Michael Y. Yoshino, Herman C. Krannert Professor of Business Administration (*Business School*)

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 A.M. program in Regional Studies—East Asia and the Ph.D. program in History and East Asian Languages are supervised by the Council and are described below.

The A.B. 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 A.M. in Regional Studies—East Asia

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*Chair*) (*on leave fall term*)

David McCann, Korea Foundation Professor of Korean Literature (*Acting Chair, fall term*)

Mikael Adolphson, Assistant Professor of Japanese History

Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies

Edwin A. Cranston, Professor of Japanese Literature

Wilt Lukas Idema, Professor of Chinese Literature

Adam L. Kern, Assistant Professor of Japanese Literature

The program in Regional Studies—East Asia, leading to a Master of Arts degree, is a basic



preparation (1) for students who intend to go on to PhD work in an East Asian specialization; and (2) for students who wish to equip themselves for nonacademic work. The program, which normally requires two years for completion, aims to make the student broadly conversant with the societies of the region, and also to give him or her a sound knowledge of one of the languages of the area. Details may be obtained from the Committee's offices at 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, Harvard College Professor and Charles H. Carswell Professor of East Asian Languages and Civilizations (*on leave 2002-03*)

Harold Bolitho, Professor of Japanese History

Carter J. Eckert, Professor of Korean History

Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*on leave 2002-03*)

Akira Iriye, Charles Warren Professor of American History

William C. Kirby, Edith and Benjamin Geisinger Professor of History and Dean of the Faculty of Arts and Sciences

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*on leave fall term*)

Established in 1941 to administer the PhD in History and Far Eastern Languages, this program was renamed by a Faculty vote of April 11, 1972, without other modification of its program. The Committee, drawn from the two departments of History and of East Asian Languages and Civilizations, administers a program leading to the PhD degree. The program in general combines study of the Chinese and Japanese languages (and sometimes other East Asian languages such as Korean, Mongolian, or Vietnamese) with advanced study and research in East Asian history. Normally this requires four courses (or equivalent) in the primary language, two and one-half in the secondary, and preparation for an oral examination in three history fields, of which two are ordinarily East Asian, and one Western, depending on the individual's preparation and program. In some cases, fulfilling these requirements may entail taking a fourth field. Further information may be obtained from the office of the Committee, at Vanserg 206, 10 Divinity Avenue, Cambridge, MA, 02138.

Graduate Courses of Reading and Research

***Regional Studies — East Asia 300. Reading and Research**

Catalog Number: 4614

Hue-Tam Ho Tai 6079 and members of the Committee

Designed to provide students with the opportunity to do reading and research in an approved area of their choice under the direction of a member of the Committee.

Note: Open only to students affiliated with the Regional Studies–East Asia program.

***Regional Studies — East Asia 310. Thesis Development**

Catalog Number: 8453

Hue-Tam Ho Tai 6079 (on leave fall term), Wilt Lukas Idema 2511 (spring term only), David



McCann 3635, Michael James Puett 1227, James L. Watson 2172 and members of the Committee

Designed to allow students to develop previous research or a previously written paper into the A.M. thesis, under the direction of an appropriate faculty advisor.

Note: Open only to students affiliated with the Regional Studies–East Asia program. Counts as course credit, but not towards the basic course requirements for the degree.

Astronomy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Astronomy

Jonathan E. Grindlay, Paine Professor of Practical Astronomy (*Chair*)
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
Margaret J. Geller, Lecturer on Astronomy
Alyssa A. Goodman, Professor of Astronomy
Lincoln Jared Greenhill, Lecturer on Astronomy
Lars Hernquist, Professor of Astronomy
Paul T. P. Ho, Lecturer on Astronomy
Matthew Holman, Lecturer on Astronomy
John P. Huchra, Robert O and Holly Thomis Doyle Professor of Cosmology
Scott J. Kenyon, 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 (*on leave 2002-03*)
James M. Moran, Donald H. Menzel Professor of Astrophysics
Stephen S. Murray, Lecturer on Astronomy
Ramesh Narayan, Professor of Astronomy
Robert W. Noyes, Professor of Astronomy
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 (*Head Tutor*)



Irwin I. Shapiro, Timken University Professor
 Krzysztof Z. Stanek, Assistant Professor of Astronomy
 Robert P. Stefanik, Lecturer on Astronomy
 Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics
 Edward Tong, Lecturer on Astronomy
 Ronald L. Walsworth, Lecturer on Astronomy
 David James Wilner, Lecturer on Astronomy
 Qizhou Zhang, Lecturer on Astronomy

Other Faculty Offering Instruction in the Department of Astronomy

Owen Gingerich, Research Professor of Astronomy and of the History of Science

Astronomy 1, 2, and Science A-35, A-36, A-47 provide a variety of approaches toward introducing the substance of astronomy and astrophysics to interested students. They are aimed at nonconcentrators with curiosity about the contents of the universe and its underlying organization. None of these courses presumes a knowledge of algebra more extensive than that used in a high school physics course. Astronomy 97hf (the Introductory Tutorial) is open to sophomores and freshmen who 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

Krzysztof Z. Stanek and Ralph H. Donnelly

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

A general introductory course for nonscience concentrators. Topics include observational astronomy, the nature of the Sun and stars, the evolution of the universe from a hot big bang, its composition (including a discussion of what is currently understood about dark matter) and structure, the nature of space and time and current theories of quasars and black holes. The course is primarily descriptive. Where possible, basic principles of physics are explained and then applied to astronomical phenomena, but no mathematics beyond elementary algebra is used.

Astronomy 2. Celestial Navigation

Catalog Number: 2179 Enrollment: Limited to 30.



Philip M. Sadler and assistants

Half course (spring term). Tu., 11:30–1:30 and 7–10 p.m. EXAM GROUP: 13, 14

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 45. Introduction to Astrophysics

Catalog Number: 5375

Alexander Dalgarno

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

An introduction to the concepts and methods of astrophysics, including a discussion of astronomical measurements and stellar magnitudes, and a systematic account of the astrophysical nature of radiation, planetary motion, tidal interactions, binary stars, galactic dynamics and cosmology.

Prerequisite: Physics 15a,b (Physics 15b may be taken concurrently).

***Astronomy 91r. Supervised Reading and Research**

Catalog Number: 1545

Jonathan E. Grindlay and members of the Department

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

Supervised reading and research in subjects not normally included in the regular course offerings of the department.

Note: Students must arrange for course supervision with an individual member of the department. The course may not be counted for the concentration requirements except by special permission and may not be taken more than twice.

***Astronomy 97hf. Introductory Tutorial**

Catalog Number: 6604

Robert W. Noyes and members of the Department

Half course (throughout the year). F., 2–4.

Introduction to methods of problem solving in astrophysics. Contact with Department of Astronomy faculty and their research programs. Students meet in small groups with a faculty member for two weeks to work through a problem as an introduction to astronomical questions and research methods. Through the year, each student meets with approximately 10 members of the department.

Note: Open to sophomore concentrators and others (including freshmen with a high school physics background) considering the concentration or a combined concentration.

Prerequisite: Physics 15a,b or equivalent (can be taken concurrently).

***Astronomy 98hf. Tutorial — Junior Year**

Catalog Number: 3121



Ramesh Narayan and members of the Department

Half course (throughout the year). W., 2–4.

Note: Normally a required course for junior concentrators in Astronomy. Open in special cases to concentrators in other physical sciences. Weekly lectures, assigned reading, and discussion meetings during the fall term, individually supervised program of reading and research leading to a paper and lecture on a chosen topic during the spring term.

***Astronomy 99. Tutorial — Senior Year**

Catalog Number: 5413

Ramesh Narayan and members of the Department

Full course. 1st meeting required W., 2–4. Other 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

Matthew Holman and Robert W. Noyes

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

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.

Prerequisite: Physics 15a, b, c, or Physics 11a, b, and permission of the instructor.

Astronomy 145. Topics in Astrophysics

Catalog Number: 0212

John P. Huchra

Half course (spring term). M., W., 9:30–11. EXAM GROUP: 2, 3

Discussion of a wide range of astrophysical systems, their physical processes, and observed characteristics. Topics include the Big Bang, the microwave background, the formation of structure in the universe, galaxy formation and evolution, star formation, energy generation in stars, white dwarfs, neutron stars, and black holes.

Prerequisite: Physics 143a (may be taken concurrently).



Astronomy 150. Radiative Processes in Astrophysics

Catalog Number: 8993

George B. Rybicki

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Survey of radiative processes of astrophysical importance from radio waves to gamma rays.

Thermal and non-thermal processes, including bremsstrahlung, synchrotron radiation, and

Compton scattering. Radiation in plasmas. Atomic and molecular structure and spectra.

Prerequisite: Physics 143a (may be taken concurrently).

Astronomy 191. Astrophysics Laboratory

Catalog Number: 3615 Enrollment: Limited to 16.

Patrick Thaddeus and Jonathan E. Grindlay

Half course (spring term). Th., at 2. First class meeting will be Friday, January 31 from 2-4 in the Pratt Conference room at the Observatory. EXAM GROUP: 16

Laboratory and observational projects in astrophysics. Students choose two projects from a selection including: measurement of the temperature of the cosmic microwave background radiation; observations of dense interstellar clouds; various projects with the Very Large Array; measurement of the rotation of the Galaxy with the CFA millimeter-wave telescope; development of superconducting submillimeter detectors; spectroscopy of binary stars; photometry and spectroscopy of star clusters; principles of soft x-ray detectors, and development of hard x-ray imaging detectors and telescopes.

Note: Intended primarily for concentrators in Astronomy and Astrophysics or combined concentrators with Physics. Students with Physics as their primary concentration, but with a serious interest in astrophysics, may take this to satisfy their laboratory requirement (in lieu of Physics 191) upon petition to the Head Tutor in Physics.

Prerequisite: Physics 15c or equivalent.

[Astronomy 192. Tools and Techniques of Astronomical Measurements]

Catalog Number: 4741

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 2003–04.

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). Tu., Th., at 2. EXAM GROUP: 16

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.

Prerequisite: Mathematics 21b or equivalent.

Cross-listed Courses

[Applied Mathematics 111. Introduction to Scientific Computing](#)
[Physics 191r. Advanced Laboratory](#)

Primarily for Graduates

These courses are primarily aimed at graduate students in astronomy, although properly prepared undergraduates and graduate students from other fields are welcome. The required core courses are Astronomy 150, 192, 206, 207, and 208, while a wide range of advanced courses is available for further work. Courses may be available as reading courses at times other than those shown, by arrangement with the instructor. Graduate students in Astronomy are required to take one graduate Physics course selected from Physics 210 or 251a.

[Astronomy 200hf \(formerly Astronomy 200\). Seminar in Modern Astrophysics and Cosmology](#)

Catalog Number: 8574

Krzysztof Z. Stanek

Half course (throughout the year). Fall: W., 2–3:30; Spring: W., at 2. EXAM GROUP: Fall: 7, 8; Spring: 7

Graduate seminar on topical areas in modern astrophysics and cosmology. Each semester a different topic of current special interest is selected. Participants in this seminar discuss papers given by seminar members (in rotation). Several faculty members also participate.

Note: Participation for two semesters is required to obtain credit

[*Astronomy 204. Galactic and Extragalactic Dynamics]

Catalog Number: 6396

Matthew Holman

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

Review of Lagrangian and Hamiltonian dynamics. Dynamics of stellar systems. Properties of orbits. The collisionless Boltzmann equation and Jeans theorem. Models for star clusters, galaxies, and clusters of galaxies. The evolution of globular clusters. Dynamical friction, tides, mergers, and cannibalism. Density wave theory of spiral structure. Formation of galaxies. Simulation of galaxy dynamics. Applications to planetary systems.

Note: Expected to be given in 2003–04.

Prerequisite: Physics 151 or equivalent.

[Astronomy 206. Stellar Physics](#)

Catalog Number: 2128

Dimitar D. Sasselov



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

Stellar physics is studied from two basic precepts: of stars as the elementary (baryonic) building blocks in the Universe and of the evolution of matter (nucleosynthesis). The theory of stellar interiors and atmospheres is developed from general grounds and applied as fit to the variety of stellar objects and their environments.

[Astronomy 207. Cosmology and Extragalactic Astronomy]

Catalog Number: 2446

Lars Hernquist

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

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.

Note: Expected to be given in 2003–04.

Astronomy 208. The Physics of the Interstellar Medium

Catalog Number: 4842

Bryan M. Gaensler

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

Physical processes in the interstellar medium of the Milky Way and other galaxies. Line and continuum processes, excitation, ionization, dissociation, heating and cooling, neutral clouds, ionized gas, photo-ionized nebulae, molecular clouds, star forming regions, shocks, gas dynamics, magnetic fields, supernova remnants, dust.

[Astronomy 218. Radio Astronomy]

Catalog Number: 2883

James M. Moran

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

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.

Note: Expected to be given in 2003–04.

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). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Discussion of relativistic and high-energy astrophysical phenomena. Accretion disks and magnetic accretion. Compact stars: white dwarfs, neutron stars, black holes. Binary evolution. Cosmic ray and gamma-ray astronomy, observational techniques and sources, gamma-ray bursts and jets. X-ray astronomy, detectors, telescopes, and analysis techniques. X-ray sources,



accreting x-ray binaries: bursts, disk coronae, supernova remnants, galaxy clusters. Active galactic nuclei and super-massive black holes. X-ray and gamma-ray background.

[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 2003–04.

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 (spring term only), Bryan M. Gaensler 4493, Margaret J. Geller 4867, Alyssa A. Goodman 3348, Lincoln Jared Greenhill 4490, Jonathan E. Grindlay 4593, Lars Hernquist 4250, Paul T. P. Ho 7532, Matthew Holman 1260, John P. Huchra 6271, Scott J. Kenyon 1648, Robert P. Kirshner 1071, Christopher S. Kochanek 3108, Myron Lecar 1026, Abraham Loeb 3349 (on leave 2002-03), James M. Moran 4090, Stephen S. Murray 3707, Ramesh Narayan 2871, Robert W. Noyes 1651, Mark J. Reid 3858, George B. Rybicki 3734, Dimitar D. Sasselov 1020, Irwin I. Shapiro 7660, Krzysztof Z. Stanek 3906, Robert P. Stefanik 1003, Patrick Thaddeus 1398, Edward Tong 1004, Ronald L. Walsworth 2263, David James Wilner 2855, and Qizhou Zhang 4477

A seminar, reading, or research course may be arranged with any of the faculty listed. Students can also arrange to obtain Astronomy 300 credit for reading or research with scientific staff members of the Harvard-Smithsonian Center for Astrophysics; consult Astronomy Department office.

***Astronomy 302. Scientists Teaching Science**

Catalog Number: 9869

Philip M. Sadler 2231

Half course (fall term). Tu., 2–3:30. EXAM GROUP: 16, 17

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: This course is open to graduate students in all areas of science and will use activities and 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 EDITON OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Molecular and Cellular Biology

Andrew P. McMahon, Frank B. Baird, Jr. Professor of Science (*Chair*)

Howard C. Berg, 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 (*on leave fall term*)

Catherine Dulac, Professor of Molecular and Cellular Biology

Brian D. Dynlacht, Associate Professor of Molecular and Cellular Biology

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 (*Head Tutor, Biology*)

Walter Gilbert, Carl M. Loeb University Research Professor

Guido Guidotti, Higgins Professor of Biochemistry

Stephen C. Harrison, Higgins Professor of Biochemistry (*Medical School*)

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences

Craig P. Hunter, Associate Professor of Molecular and Cellular Biology

Nancy Kleckner, Herchel Smith Professor of Molecular Biology (*on leave spring term*)

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

Samuel M. Kunes, Professor of Molecular and Cellular Biology

Richard M. Losick, Harvard College Professor and Maria Moors Cabot Professor of Biology (*Head Tutor, Biochemical Sciences*)

Robert A. Lue, Senior Lecturer on Molecular and Cellular Biology, Director of Undergraduate Studies in the Biological Sciences

Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology

Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology

Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences

Matthew Meselson, Thomas Dudley Cabot Professor of the Natural Sciences (*on leave spring*)



term)

Matthew Michael, Assistant Professor of Molecular and Cellular Biology
Andrew W. Murray, Professor of Molecular and Cellular Biology
Venkatesh N. Murthy, Assistant Professor of Molecular and Cellular Biology
Axel Nohturfft, Assistant Professor of Molecular and Cellular Biology, utor in Biochemical Sciences
Elizabeth J. Robertson, Herchel Smith Professor of Molecular Genetics
Jack L. Strominger, Higgins Professor of Biochemistry
Alain Viel, Lecturer on Molecular and Cellular Biology
James C. Wang, Mallinckrodt Professor of Biochemistry and Molecular Biology

Associate Members of the Department of Molecular and Cellular Biology

Stephen C. Blacklow, Assistant Professor of Pathology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
Gregory L. Verdine, Harvard College Professor and Erving Professor of Chemistry (*on leave spring term*)

Faculty of the Department of Organismic and Evolutionary Biology

Andrew A. Biewener, Charles P. Lyman Professor of Biology (*Chair*)
Fakhri A. Bazzaz, Mallinckrodt Professor of Biology
Kenneth J. Boss, Professor of Biology (*on leave spring term*)
Colleen M. Cavanaugh, Edward C. Jeffrey Professor of Biology
Kathleen Donohue, Assistant Professor of Biology
Brian D. Farrell, Professor of Biology (*on leave 2002-03*)
David R. Foster, Senior Lecturer on Biology
Gonzalo Giribet, Assistant Professor of Biology
David A. Haig, Professor of Biology
James Hanken, Professor of Biology, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
Daniel L. Hartl, Higgins Professor of Biology
N. Michele Holbrook, Professor of Biology
Farish A. Jenkins, Jr., Professor of Biology (*FAS*) and Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology (*Medical School*) (*on leave spring term*)
Andrew H. Knoll, Fisher Professor of Natural History
Elena M. Kramer, Assistant Professor of Biology
George V. Lauder, Professor of Biology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology
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
Donald H. Pfister, Asa Gray Professor of Systematic Botany
Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology



David B. Wake, Alexander Agassiz Visiting Professor in the Museum of Comparative Zoology
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
Daniel Branton, Higgins Research Professor of Biology
George M. Church, Professor of Genetics (*Medical School*)
Charles A. Czeisler, Professor of Medicine (*Medical School*)
John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences (*on leave fall term*)
John M. Doyle, Professor of Physics
Daniel S. Fisher, Professor of Physics and Professor of Applied Physics
Melvin J. Glimcher, Harriet M. Peabody Professor of Orthopedic Surgery (*Medical School*)
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 (*on leave fall term*)
Ralph Mitchell, Gordon McKay Professor of Applied Biology
David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics
Hidde Ploegh, Mallinckrodt Professor of Immunopathology and Professor of Pathology (*Medical School*)
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 MCB are the responsibility of the Department of Molecular and Cellular Biology. The courses designated Biology 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.

Primarily for Undergraduates

Biological Sciences 50. Genetics and Genomics

Catalog Number: 9370

William M. Gelbart, Daniel L. Hartl (spring term), and William D. Fixsen (fall term)
Half course (fall term; repeated spring term). M., W., F., at 12 and three hours of laboratory/discussion each week. EXAM GROUP: 5

Analysis of genes and genomes with emphasis on function, transmission, mutation, and evolution, with examples from animals, plants, bacteria, and fungi. Discusses classical and current methods of gene and genome analysis, including genetic, molecular, quantitative, and bioinformatic approaches.

Note: Lectures and weekly laboratory/discussion section. This course, when taken for a letter grade, meets the Core area requirement for Science B.



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

Catalog Number: 1922

Andrew H. Knoll and James Hanken

Half course (fall term). M., W., F., at 12, and three hours of laboratory each week. EXAM GROUP: 5

An integrative and functional approach to plant and animal biology in an evolutionary context, emphasizing common attributes of whole organisms and their solutions to problems imposed by the physical environment. Topics to be covered include development and organization of body plans, gas exchange, transport and excretion, information processing, support and locomotion, and the acquisition of energy sources.

Note: Knowledge of introductory molecular, cellular biology, and genetics is recommended. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Biological Sciences 52 (formerly Biological Sciences 10). Introductory Molecular Biology

Catalog Number: 1938

Richard M. Losick

Half course (fall term). M., W., F., at 10, and a one-hour meeting each week; approximately six afternoon laboratory sessions to be arranged over the course of the semester. EXAM GROUP: 3

An integrated introduction to the basic principles of molecular biology. Topics covered: the biochemistry and molecular biology of nucleic acids; the Central Dogma; DNA, RNA, and protein synthesis; mutation and repair; recombination and transposition; the genetic code; the turning on and off of genes; RNA, ribozymes and splicing; development.

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

David A. Haig and John R. Wakeley

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.

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/Discussion sessions will focus on problem-solving and evaluation of data. A series of linked laboratory exercises will provide exposure to several techniques commonly used in cell biology.

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 Protein Structure

Catalog Number: 5424

Alain Viel, Howard C. Berg, Stephen C. Blacklow (Medical School), and James C. Wang

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

An integrated introduction to the structure of macromolecules and biochemical approaches to understanding protein function. The organization of proteins will be addressed through a detailed discussion of hierarchical structure levels, and the identification of functional modules. Topics addressing protein function will include enzymatic kinetics, editing mechanisms during translation, metabolic pathways, and protein engineering. Examples illustrating the organization of macromolecular complexes, protein networks and disease-linked protein profiles will be drawn from proteomic studies.

Note: Computer sessions will familiarize students with various protein analysis software.

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 each week. EXAM GROUP: 12

A review of the behavior of animals under natural conditions, with emphasis on both mechanistic and evolutionary approaches. Topics include classical ethology; behavioral endocrinology; behavioral genetics; learning 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 (formerly Biological Sciences 25). 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: Open only to Biochemical Sciences concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the Biochemical Sciences Tutorial Office prior to enrolling in the course. This introductory research course is intended to prepare students for Biochemical Sciences 99, and may ordinarily be repeated no more than once.

***Biochemical Sciences 99. Laboratory Research for Honors Thesis**

Catalog Number: 6670

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

See Biology 121a, Biology 121b, and Biology 200r for other independent research options. Students who participate in independent research laboratory courses (Bio 98r, 99ar, 99b, 121a, 121b, or 200r) are required to attend a safety session on matters concerned with safety procedures before or at the beginning of their laboratory work. Credit for these courses is contingent upon compliance with this requirement. The Biology 95hf Tutorial Program, consisting of 14 seminars on various biological topics not covered in depth in other undergraduate offerings, is designed to provide undergraduates with the opportunity to associate with a professional biologist over an extended period of time and to be full participants in



directing a course of study. The seminars build upon the mid-level biology courses and bridge the gap between regular coursework and independent research. The seminars carry half course credit for the entire year (are usually taken as a 5th course). They begin in fall, and cannot be divided mid-semester or combined with a seminar the following year. The Biology 95hf Program is directed by the Head Tutor in Biology, Professor William Gelbart. However, the tutorial seminars are taught by post-doctoral fellows and medical school faculty. Students should feel free to get in touch with the tutorial instructors directly - their names, phone numbers and e-mail addresses, as well as tutorial seminar course descriptions, are posted on the Biology website: biology.harvard.edu. Please consult the Biology website (<http://biology.harvard.edu>) for dates and times of first meetings.

***Biology 91r. Supervised Reading**

Catalog Number: 2817

William M. Gelbart and members of the Department

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

Supervised reading on topics not covered by regular courses of instruction. Normally work is directed by a Biology faculty member of the Department of Molecular and Cellular Biology or Organismic and Evolutionary Biology. For Biology concentrators, work may be supervised by faculty in other departments or outside Cambridge, provided it is co-sponsored by a Biology faculty member. Nonconcentrators must conduct their reading project with a Biology faculty member. Students must submit a registration request to the Biology Undergraduate Office before course enrollment. A written report of approximately 10 pages describing the material covered during the term is due in duplicate in the Undergraduate Office on the date indicated on the registration form.

Note: May be taken only once for concentration credit. May not be taken with the director/sponsor of an independent research course. Registration forms will not be accepted after Study Cards are due.

Prerequisite: Four semesters of introductory biology.

***Biology 95hfa. Conservation, Nature, and Biodiversity**

Catalog Number: 2052

William M. Gelbart and members of the Department

Half course (throughout the year). Fall: Tu., 3–6; Spring: Th., 2–4. EXAM GROUP: Fall: 17, 18; Spring: 16, 17

***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. EXAM GROUP: Spring: 9

***Biology 95hfc. Perspectives in Marine Biology: Ecology and Fisheries Management of Tuna**

Catalog Number: 2935

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged. EXAM GROUP: Spring: 9



***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. EXAM GROUP: Spring: 18

***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 Molecular and Cellular Biology of Host/Parasite Interactions**

Catalog Number: 5745

William M. Gelbart and members of the Department

Half course (throughout the year). Spring: Th., 6:30–8 p.m. EXAM GROUP: Spring: 18

***Biology 95hfg. Biodiversity: Science, Policy, and Law**

Catalog Number: 4576

William M. Gelbart and members of the Department

Half course (throughout the year). Tu., 6–10 p.m. EXAM GROUP: Fall: 18

***Biology 95hfh. The Genetics of Cancer in the Postgenomic Era**

Catalog Number: 4969

William M. Gelbart and members of the Department

Half course (throughout the year). Spring: W., 6–8 p.m. EXAM GROUP: Spring: 9

***Biology 95hfi. Dynamic and Multilevel Approaches to Cancer**

Catalog Number: 9859

William M. Gelbart and members of the Department

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

***Biology 95hfj. Stem Cells: The Ever-Changing Concept**

Catalog Number: 6361

William M. Gelbart and members of the Department

Half course (throughout the year). Spring: Tu., 6–8 p.m. EXAM GROUP: Spring: 18

***Biology 95hfk. Neurobiology of Disease**

Catalog Number: 7431

William M. Gelbart and members of the Department

Half course (throughout the year). Spring: Th., 4–6. EXAM GROUP: Spring: 18

***Biology 95hfl. Life and Death at the Host-Pathogen Interface: Immunobiology, Microbiology, and Human History**

Catalog Number: 7072

William M. Gelbart and members of the Department



Half course (throughout the year). Fall: Tu., at 6; Spring: W., 7–9 p.m. EXAM GROUP: Fall: 18; Spring: 9

Biology 95hfm. BUGS 101+: Alternative Lifestyles of Bacteria

Catalog Number: 9696

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

Biology 95hfn. Plant Sexual Reproduction: Evolutionary and Molecular Aspects

Catalog Number: 9407

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

Biology 95hfo. The Mammary Gland: A Novel Approach to Study Biological Paradigms

Catalog Number: 9460

William M. Gelbart

Half course (throughout the year). Hours to be arranged.

***Biology 98r. Introduction to Research**

Catalog Number: 8616

William M. Gelbart and members of the Department

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

Introduction to independent research. Recommended for students (ordinarily in the junior year) with no previous independent laboratory or library research experience. For Biology concentrators, ordinarily work is directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by petition to the Biology Undergraduate Office. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 98r at the time of enrollment. A written report of approximately 5 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form.

Note: To be graded SAT/UNS only. Laboratory safety session required.

***Biology 99ar. Research for Honors Thesis**

Catalog Number: 8037

William M. Gelbart and members of the Department

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

Ordinarily taken by students planning on writing an honors thesis. Recommended as the research course to be taken in the first semester of the student's senior year. For Biology concentrators, work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 99ar at the time of enrollment. A written report of approximately 10 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form. All students enrolling in this



course must submit a short thesis proposal prior to the first day of classes of the fall semester.

The thesis proposal form is available in the Biology Undergraduate Office.

Note: Laboratory safety session required.

***Biology 99b. Honors Thesis**

Catalog Number: 7264

William M. Gelbart and members of the Department

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

Taken by students who are actively writing their honors thesis (ordinarily in the second semester of their senior year). For Biology concentrators, work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 99b at the time of enrollment. These registration materials are available in the Biology Undergraduate Office. Honors levels determined by the Biology Undergraduate Committee based upon readers' evaluations.

For Undergraduates and Graduates

Biology 102 (formerly Biology 21). Structure and Physiology of the Vertebrates

Catalog Number: 0921

George V. Lauder and Andrew A. Biewener

Half course (fall term). Lectures, M., W., F., at 9, and five hours of laboratory each week. EXAM GROUP: 2

Introduction to the relationship between physiology, structure, and function of vertebrates. Lectures concentrate on selected organ systems (musculoskeletal, cardiovascular, respiratory, reproductive, excretory, and digestive) paying particular attention to how they have evolved and diversified within living vertebrate groups in relationship to environmental factors. General principles of structure-function relationship are emphasized. Physiology and morphological dissection labs concentrate on higher vertebrates and are correlated with one another and with the lectures.

Prerequisite: BS 1 or 50 and 2 or 51.

[Biology 103. Plant Systematics]

Catalog Number: 8704

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

An introduction to the phylogeny, evolution, and diversification of the flowering plants, with emphasis on the major plant families of the world. Native and cultivated plants of eastern North America are studied in laboratory and field work.

Note: Expected to be given in 2003–04.

Prerequisite: BS 51 or permission of instructor.

Biology 106. Plant Development and Differentiation

Catalog Number: 4559



Elena M. Kramer

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

A comprehensive lecture course on the developmental biology of plants from fertilization through all phases of vegetative and reproductive growth. Material will include both morphological and genetic studies. Although the main focus of the course will be angiosperms, examples will be drawn from other lineages of land plants as well. Additional topics will include control of cell division and elongation, signal transduction, and hormone response.

Prerequisite: Biology 124 (formerly Biology 24) and BS 50 or permission of the instructor.

[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 2003–04.

Prerequisite: BS 2 or 51 or permission of instructor.

Biology 110 (formerly Biology 10). Biology of Invertebrate Animals

Catalog Number: 7873

Kenneth J. Boss

Half course (fall term). Lectures M., W., F., at 11; laboratory to be arranged. EXAM GROUP: 4

Surveys the diversity of invertebrate animals, including their natural history and probable evolutionary relationships. The ecological and behavioral adaptations as well as the morphology and systematics of these organisms are explored, using common marine, freshwater, terrestrial, and parasitic species.

Note: BS 51 recommended, or permission of instructor required.

Biology 114. Vertebrate Viviparity

Catalog Number: 4953

David A. Haig

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Viviparity has evolved many times in vertebrate phylogeny. The course will review the diversity of parental care in vertebrates and explore the selective forces that have favored the evolution of live-bearing. The evidence for intergenerational conflicts will be considered.

[Biology 115. The Diversity of Coral Reef Habitats]

Catalog Number: 1422

Gonzalo Giribet

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

The taxonomy, diversity, ecology and conservation of different habitats in a tropical reef area of the Caribbean will be studied. Typical coral reef habitats, mangrove, water column (pelagos), sediments (meio and megafauna), and seagrass communities will be investigated. The course consists of a series of lectures and labs integrating reef ecology, invertebrate diversity, and conservation issues.

Note: Expected to be given in 2003–04. A field trip to a marine biological station during spring



break will serve to start a team project on invertebrate reef ecology.

Prerequisite: Any two courses of the following 4 topics: BS51, BS 53, Biology 110 (formerly Biology 10), Biology 187, or BS 55 (formerly Biology 19).

Biology 118. Biological Oceanography

Catalog Number: 7752

James J. McCarthy

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

The ocean as an ecological system. Emphasis on the ecology and physiology of the plankton. Considerable attention to processes and events that demonstrate the complexity of environmental-organismal interactions. Discussion sessions treat special topics such as sampling strategies, plankton demonstrations, and critical analyses of current literature.

Note: For Biology and other natural science concentrators.

Prerequisite: BS 50 and Chemistry 5 and 7 or Chemistry 10. BS 55 (formerly Biology 19) is recommended.

[Biology 120. Physiology of Plants]

Catalog Number: 2554

N. Michele Holbrook

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

Introduction to the physiology, biochemistry, and development of plants. Topics include photosynthesis, energy balance, transport processes, growth, biomechanics, and reproduction. Emphasis on the physiological basis for structural adaptations of plants in relation to environmental constraints and on mechanisms leading to developmental and physiological integration at the whole-plant level. Laboratory sessions provide an introduction to basic measurement techniques in plant physiology.

Note: Expected to be given in 2003–04.

Prerequisite: Permission of the instructor.

***Biology 121a. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4049

Andrew A. Biewener, George V. Lauder, and Daniel E. Lieberman

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

This course 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: Biology 102 (formerly Biology 21) preferred and permission of instructor.

***Biology 121b. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4670

Andrew A. Biewener and George V. Lauder

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



Students may extend the initial project undertaken in Biology 121a into a thesis research project.

Note: Laboratory safety session required.

Prerequisite: Biology 121a and permission of instructor.

[Biology 123. Biology of Symbiosis]

Catalog Number: 0508

Colleen M. Cavanaugh

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

An examination of the major aspects of endosymbiosis with emphasis on mutualism, although some parasitic interactions are covered. Topics include origins of the eukaryotic cell, specificity and recognition of partners, distribution and diversity of associations, and coevolution of host and symbiont.

Note: Expected to be given in 2003–04.

Prerequisite: BS 1 or 50 and 2 or 51, and BS 11 or equivalent, or permission of instructor.

Biology 124 (formerly Biology 24). Biology of Plants

Catalog Number: 1343

N. Michele Holbrook and Elena M. Kramer

Half course (spring term). Tu., Th., 10–11:30, one afternoon laboratory per week, plus occasional field trips. EXAM GROUP: 12, 13

Introduction to the structure, diversity, and physiology of plants with an emphasis on evolutionary relationships and adaptations to life on land. Topics include growth, resource acquisition, interactions with other organisms (i.e., fungi, bacteria, insects), reproduction, and survival in extreme environments. Laboratory sessions provide an overview of plant and diversity and an introduction to basic physiological processes.

***Biology 130. Patterns and Processes in Fish Diversity**

Catalog Number: 4624 Enrollment: Limited to 25.

Karel F. Liem and George V. Lauder

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

Fishes inhabit all aquatic environments including deep seas, intertidal zones, coral reefs, polar waters, the vast Amazonian basin, and great East African lakes. Some exploit anoxic waters. A single fish species may occupy diverse environments through extraordinary long distance horizontal and vertical migratory strategies. To explore this unparalleled diversity, the course emphasizes bridging traditional academic boundaries with integrative analyses of the biology underlying rapid evolutionary radiations, stasis, and mass extinctions.

Prerequisite: BS 50 and BS 51, or permission of instructor.

Biology 139. Evolution of the Vertebrates

Catalog Number: 8562

Farish A. Jenkins, Jr.

Half course (fall term). Tu., Th., 8:30–10. 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: Biology 102 (formerly Biology 21) or equivalent.

Biology 149. Plant Ecology

Catalog Number: 2670

Fakhri A. Bazzaz

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

Introduction to concepts and principles of plant ecology, with emphasis on experimental approaches to understanding the biology of plant populations. Special attention is given to plant ecophysiological response to the physical and biological environment including energy, water, nutrients, environmental contaminants, pollinators, herbivores, predators and pathogens; competition and resource sharing; the niche and the level of ecological variation; community organization.

Prerequisite: BS 53, Biology 17, BS 55 (formerly Biology 19) or permission of instructor.

Biology 150. Tropical Plant Ecology

Catalog Number: 9806

N. Michele Holbrook and Augusto Franco

Half course (spring term). M., W., (F.), at 9. EXAM GROUP: 2

An introduction to tropical ecosystems and environments, including lowland rainforest, montane cloud forest, seasonally dry savannas, coastal zones, flooded forests, alpine paramos, thorn scrub and gallery forest. Topics include how plant ecophysiology and climatic factors influence the structure and function of tropical ecosystems, as well as human impacts such as deforestation, agriculture, cattle and global change.

Note: Biological Sciences 51, 53 or 55 recommended.

[Biology 152. Population Genetics]

Catalog Number: 0903

John R. Wakeley

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

Introduction to population genetic theory. Covers deterministic and stochastic theory of gene frequencies, and coalescent theory of sample-based statistics. Emphasis on patterns of genetic variation within and between populations, and how these can serve as the basis for inference about mutation, genetic drift, migration, natural selection, and population structure.

Note: Expected to be given in 2003–04.

Prerequisite: BS 53, calculus, and knowledge of statistics and probability.

[Biology 155r. Biology of Insects]

Catalog Number: 2346 Enrollment: Limited to 15.

Naomi E. Pierce

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.

Note: Expected to be given in 2003–04.

Prerequisite: Science B-29 or BS 50, 51, or 53 or equivalent, or permission of instructor.

[Biology 156. Tropical Insect Systematics]

Catalog Number: 0584

Brian D. Farrell

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

A lab course on the systematics and diagnosis of the 200 principal families across 26 orders of insects, including acquisition of the skills to perform rapid onsite insect biodiversity assessment and documentation in the field. Learning to identify insects to the family level using microscopes and a teaching collection. Includes a spring break fieldtrip to the Dominican Republic, during which student teams will collect and process insect specimens for database entry onsite, including digital imaging.

Note: Expected to be given in 2003–04.

Prerequisite: Biology 51 or 53 and Biology 155r or permission of the instructor.

[Biology 160. Forest Ecology]

Catalog Number: 4369

David R. Foster

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

Plant community organization, structure, and dynamics focusing primarily on the forest vegetation of northeastern North America. Field studies emphasize the role of natural and anthropogenic disturbance in controlling the pattern of vegetation, methods of vegetation analysis, and historical methods of vegetation reconstruction.

Note: Expected to be given in 2003–04. Includes two full weekend field trips to the Harvard Forest.

Prerequisite: BS 2 or 51 or permission of instructor.

Biology 174r (formerly Biology 174). Topics in Behavioral Biology: Learning and Memory

Catalog Number: 5199 Enrollment: Limited to 30.

Naomi E. Pierce (convenor), David A. Haig, Marc D. Hauser, Markus Meister, and Richard W. Wrangham

Half course (spring term). M., 4–6, ninety minutes of discussion section each week. EXAM GROUP: 9

Current issues in behavior are examined, with topics to change each year. Learning and memory will be the focus of the spring term in 2003. The course will involve invited speakers and participation of professors across disciplines.

Prerequisite: BS 57 (formerly Biology 22), BS 80 or Science B-29 or permission of instructor.

[Biology 181. Systematics]

Catalog Number: 5459

Gonzalo Giribet and Charles R. Marshall

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

Theory and practice of systematics, emphasizing issues associated with homology statements and alignments, methods of tree reconstruction, and hypothesis evaluation. The course combines



theoretical considerations, paying especial attention to algorithmic aspects of phylogenetics, with the use of different computer programs for conducting evolutionary and phylogenetic analyses.

Note: Expected to be given in 2003–04.

Prerequisite: BS 53, or permission of instructor required. *Recommended:* Familiarity with computers, especially Mac and PC platforms. Linux also recommended.

Biology 187. Current Advances in Metazoan Diversity and Evolution

Catalog Number: 3220

Gonzalo Giribet

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

Current discoveries of new metazoan groups, their relationships to known animals, and the newest hypotheses in metazoan evolution are examined. Background in metazoan diversity and in systematics are recommended. Newly discovered animal groups, their evolutionary significance, and their possible relationships will be presented. Examples will be drawn from various phyla including Gnathostomulida, Loricifera, Cyclophora, Micrognathozoa, and other poorly understood animals. Original literature will be discussed, emphasizing on the evolution and relationships of the organisms presented in class.

Biology 188r. History of Biological Form

Catalog Number: 9778

Matthew V. Thompson

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

A historical and conceptual approach to the problems of morphogenesis (how organisms acquire their shape) from both evolutionary and developmental perspectives. Subjects include Classical and Enlightenment studies of morphogenesis, the rise of evolutionary theory and genetics and their incorporation into developmental biology, genetic and non-genetic control of development, the mechanisms of pattern initiation, and the origins of life.

Note: Knowledge of introductory molecular and cellular biology, and genetics is recommended. An advanced understanding of developmental genetics is not required.

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 and Daniel S. Fisher

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: approximations and dimensional analysis; 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., 10–11:30. EXAM GROUP: 3, 4

Cellular processes involved in the function of neurons will be explored, with emphasis on biophysical and cell biological approaches. Topics include excitable membranes, intracellular membrane trafficking, cytoskeletal dynamics, synaptic transmission, dendritic integration, and synaptic plasticity.

Prerequisite: BS 80 or equivalent.

MCB 116. Experimental Embryology

Catalog Number: 1207 Enrollment: Limited to 24.

Elizabeth J. Robertson

Half course (fall term). M., 2–6. EXAM GROUP: 7, 8

An introduction to basic problems in developmental biology by direct experimentation. Both classical and modern molecular manipulations of developing embryos are performed to study cell specification, differentiation, organ formation, and embryonic induction. Various aspects of pattern formation are analyzed, including the establishment of polarity and body axes, making use of frogs, chicken, mice, and fish.

Note: Laboratory course primarily for advanced undergraduates and graduate students.

Prerequisite: BS 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 (formerly MCB 16). Developmental Biology

Catalog Number: 0749

Andrew P. McMahon and Douglas A. Melton

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

A comprehensive lecture course in developmental biology. The principles and mechanisms of development are emphasized and illustrated using several animal models. We will discuss how the basic body plan of an embryo is created and how the adult organism 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 119. Experimental Genetics]

Catalog Number: 4472 Enrollment: Limited to 15.

Members of the Department.

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

The primary objective of this course is to illustrate how the principles and techniques of genetics can be used to understand biological pathways. Using two eukaryotic model organisms, the budding yeast *Saccharomyces cerevisiae* and the nematode *Caenorhabditis elegans*, the course will focus on genetic analysis of cell cycle control and the response to DNA damage. Each week, a genetic experiment is performed. For each experiment, there is some modest background reading from the research literature and a short lecture at the beginning of the laboratory period.

Note: Expected to be given in 2003–04.

MCB 120. Cell Cycle Control and Genome Stability

Catalog Number: 3069 Enrollment: Limited to 20.

Half course (spring term). Tu., 1–5. EXAM GROUP: 15, 16

Covers the molecular biology and biochemistry of the cell cycle, with an emphasis on mechanisms that maintain genome stability. A central theme of the course will be to explore 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. The course will consist of lectures, laboratory exercises, and readings from the primary literature.

Note: This course will consist of lectures and student presentations.

Prerequisite: BS 52 or 10 and BS 54 or 11, or permission of the instructor.

[*MCB 122. Regulation of Cell Proliferation]

Catalog Number: 1403 Enrollment: Limited to 20.

Raymond L. Erikson

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

The molecular and biochemical events occurring during the cell cycle are considered. Topics include growth factors and their receptors, second messengers, protein phosphorylation, gene expression, oncogenes, and tumor suppressor genes. The course consists of lectures and student presentations from the current literature.

Note: Expected to be given in 2003–04.

Prerequisite: BS 52 and BS 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

The course explores the question of how cells maintain stability in the face of external change and internal turnover. Introduces the concepts of homeostasis, dynamic equilibrium and feedback control. Selected topics will be drawn from protein biochemistry, lipid metabolism, membrane biology, and mineral balance. Lectures and discussions of scientific papers.

Prerequisite: BS 52 and BS 54 or permission of the instructor.

MCB 125. Stem Cells and Cloning

Catalog Number: 5481

Douglas A. Melton and Andrew P. McMahon

Half course (spring 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 a nearly ideal preparation for this course.

MCB 129. Molecular Genetics of Neuronal Development and Disease

Catalog Number: 8956 Enrollment: Limited to 20.

Samuel M. Kunes

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

A lecture and discussion course on the development of the nervous system. Topics include neural differentiation and cell identity, cell birth and cell death, axon guidance and regeneration, and the signaling mechanisms underlying synaptic specificity. We will focus on the conservation of mechanisms from model systems to humans, and the implications for understanding disease. Discussions emphasize critical evaluation of readings from the primary literature.

MCB 131. Computational Neuroscience

Catalog Number: 9868

Haim I. Sompolsky

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

Provides an understanding of major trends in modern brain theory, focusing on local neuronal circuits as basic computational modules. Studies the dynamics of recurrent neuronal networks, elucidating the concepts of synchrony, steady states, attractors, symmetry breaking and attractor manifolds. Explores implications of the dynamics for sensory and motor processing. Specific topics include: feature selectivity and gain control in the visual cortex; perceptual decisions and ambiguities; chaos and balanced networks; learning and synaptic plasticity.

Prerequisite: Multivariate calculus, differential equations, linear algebra, and elementary probability theory; knowledge of basic neuroscience helpful.



[MCB 138. Function of Neural Systems]

Catalog Number: 1153 Enrollment: Limited to 25.

Markus Meister

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

Introduction to the known functional principles of large neural circuits responsible for the processing of sensory input, learning and memory, and control of movement. Covers the physiological mechanisms underlying collective neural function and the methods useful in their analysis.

Note: Expected to be given in 2003–04.

Prerequisite: BS 80 and one half course in physics or permission of instructor.

[MCB 140. Introduction to Biophysics]

Catalog Number: 9736 Enrollment: Limited to 40.

Howard C. Berg and David R. Nelson

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

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: Expected to be given in 2003–04. To be given in alternate years. Lectures, problem sets, discussions. May not be taken for credit by students who have taken Physics 140.

Prerequisite: Mathematics at the level of 21a, Physics 15a/15b or Physics 11a/11b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.

MCB 141. Molecular and Developmental Neurobiology

Catalog Number: 5205

Catherine Dulac

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Molecular basis of sensory perception and formation of related neuronal networks during vertebrate development. Topics will include: mechanisms of sensory discrimination at the level of receptor molecules and receptor cells; coding of sensory information by the brain; establishment of appropriate connections in the developing brain. Molecular and genetic approaches to memory and behavior will be discussed.

Prerequisite: BS 52 and BS 80.

[MCB 142. Chromosomes]

Catalog Number: 7948 Enrollment: Limited to 25.

Matthew Meselson

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

Selected aspects of the structure, replication, segregation, recombination, and function of chromosomes. Current findings will be considered in a historical context. Lectures, student presentations, and critical discussion of the scientific literature.

Note: Expected to be given in 2003–04.

Prerequisite: BS 50 or equivalent.



MCB 150. Developmental Genetics and Genomics

Catalog Number: 5703

Craig P. Hunter

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

The goal of this class is for the student 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 will be to compare and contrast genetic analysis of and the genetic control of developmental processes and mechanisms in these four organisms. The course will consist of lectures, student presentations, and written assignments

Prerequisite: BS 50, BS 52, BS 54, their equivalents or permission of instructor.

***MCB 155. Molecular Mechanisms of Gene Control**

Catalog Number: 6230

Tom Maniatis

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

An advanced course on the control of gene regulation. Topics include: mechanisms of gene regulation at the level of transcription, chromatin structure, DNA methylation, RNA processing, mRNA localization, and protein synthesis and degradation. The course is taught through weekly lectures and readings from the current literature. Topics covered in lectures and the reading assignments are discussed in sections. Students are required to critically evaluate and discuss recent papers in sections. Two exams.

Prerequisite: BS 52 and BS 54 (or equivalent), and permission of instructor.

MCB 169. Molecular and Cellular Immunology

Catalog Number: 2518

Hidde Ploegh (Medical School)

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

Basic elements of the immune system. Molecular biology of antigen recognition structures on B and T lymphocytes. Cellular and genetic basis of immunity. Regulation and development of the immune system.

Prerequisite: BS 50 and BS 52. Genetics and Cell Biology strongly recommended.

MCB 176. Biochemistry of Membranes

Catalog Number: 3186

Guido Guidotti

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

A course on the properties and involvement in disease of biological membranes, essential elements for cell individuality, communication between cells, and energy transduction. Topics include : membrane structure; membrane protein synthesis, insertion in the bilayer and targeting; transporters, pumps and channels; electron transport, H⁺ gradients and ATP synthesis; membrane receptors, G proteins and signal transduction.

Prerequisite: BS 52 and BS 54.



MCB 177. Macromolecular Assemblies in Genetic Processes

Catalog Number: 3102 Enrollment: Limited to 30.

James C. Wang

Half course (fall term). M., 7–9 p.m. EXAM GROUP: 9

Selected topics on complex assemblies in replication, repair, recombination, and transcription will be discussed. Emphasis is on the structural basis of an assembly and the macromolecular interactions underpinning its function.

Prerequisite: BS 52 and BS 54 or equivalent, or permission of the instructor. Background in macromolecular structures and functions encouraged.

MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation

Catalog Number: 2854

J. Woodland Hastings and Charles A. Czeisler (Medical School)

Half course (fall term). W., 2-5, and a one hour discussion section per week to be arranged.

EXAM GROUP: 7, 8

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 BS 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 2003–04.

Prerequisite: BS 52, BS 54, and BS 50.

***MCB 195. Genomics and the Biology of Complex Systems**

Catalog Number: 8701 Enrollment: Limited to 65.

Andrew W. Murray

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

The complete sequences of an increasing number of genomes have produced a range of new experimental and computational approaches to biological problems. This course takes an integrated approach, exploring how genomes are mapped and sequenced, how various computational methods convert this raw data into information about biology, and how new experimental methods can provide comprehensive information about the behavior and function of genes and their products. Central issues include discussing ways in which computational and



experimental methods can work together to provide new insights into biology, the search for general principles in biology, and the idea that evolutionary comparisons will play the critical role in turning raw data into knowledge about how cells and organisms, grow, survive, reproduce, and evolve.

Prerequisite: BS 50 or BS 52 strongly recommended. Computer Science coursework desirable but not required. Or permission of the Instructor.

Primarily for Graduates

Molecular and Cellular Biology

Primarily for Undergraduates

***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: Open only to Biochemical Sciences concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the Biochemical Sciences Tutorial Office prior to enrolling in the course. This introductory research course is intended to prepare students for Biochemical Sciences 99, and may ordinarily be repeated no more than once.

***Biochemical Sciences 99. Laboratory Research for Honors Thesis**

Catalog Number: 6670

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.

For Undergraduates and Graduates

MCB 105. Systems Neuroscience

Catalog Number: 0998

Florian Engert

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

Activity dependent modulation of neuronal connections will be explored in the context of learning, memory, and development of the nervous system. Special emphasis is placed on conditioning in invertebrates and mammals, processing of information in the mammalian hippocampus and visual system, and the activity dependent development of neural networks in



culture and in vivo.

Prerequisite: BS 80.

MCB 111. Mathematics in Biology

Catalog Number: 6444

Markus Meister and Daniel S. Fisher

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: approximations and dimensional analysis; 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., 10–11:30. EXAM GROUP: 3, 4

Cellular processes involved in the function of neurons will be explored, with emphasis on biophysical and cell biological approaches. Topics include excitable membranes, intracellular membrane trafficking, cytoskeletal dynamics, synaptic transmission, dendritic integration, and synaptic plasticity.

Prerequisite: BS 80 or equivalent.

MCB 116. Experimental Embryology

Catalog Number: 1207 Enrollment: Limited to 24.

Elizabeth J. Robertson

Half course (fall term). M., 2–6. EXAM GROUP: 7, 8

An introduction to basic problems in developmental biology by direct experimentation. Both classical and modern molecular manipulations of developing embryos are performed to study cell specification, differentiation, organ formation, and embryonic induction. Various aspects of pattern formation are analyzed, including the establishment of polarity and body axes, making use of frogs, chicken, mice, and fish.

Note: Laboratory course primarily for advanced undergraduates and graduate students.

Prerequisite: BS 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 (formerly MCB 16). Developmental Biology

Catalog Number: 0749

Andrew P. McMahon and Douglas A. Melton

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

A comprehensive lecture course in developmental biology. The principles and mechanisms of development are emphasized and illustrated using several animal models. We will discuss how the basic body plan of an embryo is created and how the adult organism 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 119. Experimental Genetics]

Catalog Number: 4472 Enrollment: Limited to 15.

Members of the Department.

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

The primary objective of this course is to illustrate how the principles and techniques of genetics can be used to understand biological pathways. Using two eukaryotic model organisms, the budding yeast *Saccharomyces cerevisiae* and the nematode *Caenorhabditis elegans*, the course will focus on genetic analysis of cell cycle control and the response to DNA damage. Each week, a genetic experiment is performed. For each experiment, there is some modest background reading from the research literature and a short lecture at the beginning of the laboratory period.

Note: Expected to be given in 2003–04.

MCB 120. Cell Cycle Control and Genome Stability

Catalog Number: 3069 Enrollment: Limited to 20.

Half course (spring term). Tu., 1–5. EXAM GROUP: 15, 16

Covers the molecular biology and biochemistry of the cell cycle, with an emphasis on mechanisms that maintain genome stability. A central theme of the course will be to explore 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. The course will consist of lectures, laboratory exercises, and readings from the primary literature.

Note: This course will consist of lectures and student presentations.

Prerequisite: BS 52 or 10 and BS 54 or 11, or permission of the instructor.

[*MCB 122. Regulation of Cell Proliferation]

Catalog Number: 1403 Enrollment: Limited to 20.

Raymond L. Erikson

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



The molecular and biochemical events occurring during the cell cycle are considered. Topics include growth factors and their receptors, second messengers, protein phosphorylation, gene expression, oncogenes, and tumor suppressor genes. The course consists of lectures and student presentations from the current literature.

Note: Expected to be given in 2003–04.

Prerequisite: BS 52 and BS 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

The course explores the question of how cells maintain stability in the face of external change and internal turnover. Introduces the concepts of homeostasis, dynamic equilibrium and feedback control. Selected topics will be drawn from protein biochemistry, lipid metabolism, membrane biology, and mineral balance. Lectures and discussions of scientific papers.

Prerequisite: BS 52 and BS 54 or permission of the instructor.

MCB 125. Stem Cells and Cloning

Catalog Number: 5481

Douglas A. Melton and Andrew P. McMahon

Half course (spring 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 a nearly ideal preparation for this course.

MCB 129. Molecular Genetics of Neuronal Development and Disease

Catalog Number: 8956 Enrollment: Limited to 20.

Samuel M. Kunes

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

A lecture and discussion course on the development of the nervous system. Topics include neural differentiation and cell identity, cell birth and cell death, axon guidance and regeneration, and the signaling mechanisms underlying synaptic specificity. We will focus on the conservation of mechanisms from model systems to humans, and the implications for understanding disease. Discussions emphasize critical evaluation of readings from the primary literature.

MCB 131. Computational Neuroscience

Catalog Number: 9868

Haim I. Sompolsky

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

Provides an understanding of major trends in modern brain theory, focusing on local neuronal circuits as basic computational modules. Studies the dynamics of recurrent neuronal networks, elucidating the concepts of synchrony, steady states, attractors, symmetry breaking and attractor



manifolds. Explores implications of the dynamics for sensory and motor processing. Specific topics include: feature selectivity and gain control in the visual cortex; perceptual decisions and ambiguities; chaos and balanced networks; learning and synaptic plasticity.

Prerequisite: Multivariate calculus, differential equations, linear algebra, and elementary probability theory; knowledge of basic neuroscience helpful.

[MCB 138. Function of Neural Systems]

Catalog Number: 1153 Enrollment: Limited to 25.

Markus Meister

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

Introduction to the known functional principles of large neural circuits responsible for the processing of sensory input, learning and memory, and control of movement. Covers the physiological mechanisms underlying collective neural function and the methods useful in their analysis.

Note: Expected to be given in 2003–04.

Prerequisite: BS 80 and one half course in physics or permission of instructor.

[MCB 140. Introduction to Biophysics]

Catalog Number: 9736 Enrollment: Limited to 40.

Howard C. Berg and David R. Nelson

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

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: Expected to be given in 2003–04. To be given in alternate years. Lectures, problem sets, discussions. May not be taken for credit by students who have taken Physics 140.

Prerequisite: Mathematics at the level of 21a, Physics 15a/15b or Physics 11a/11b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.

MCB 141. Molecular and Developmental Neurobiology

Catalog Number: 5205

Catherine Dulac

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Molecular basis of sensory perception and formation of related neuronal networks during vertebrate development. Topics will include: mechanisms of sensory discrimination at the level of receptor molecules and receptor cells; coding of sensory information by the brain; establishment of appropriate connections in the developing brain. Molecular and genetic approaches to memory and behavior will be discussed.

Prerequisite: BS 52 and BS 80.

[MCB 142. Chromosomes]

Catalog Number: 7948 Enrollment: Limited to 25.

Matthew Meselson

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



Selected aspects of the structure, replication, segregation, recombination, and function of chromosomes. Current findings will be considered in a historical context. Lectures, student presentations, and critical discussion of the scientific literature.

Note: Expected to be given in 2003–04.

Prerequisite: BS 50 or equivalent.

MCB 150. Developmental Genetics and Genomics

Catalog Number: 5703

Craig P. Hunter

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

The goal of this class is for the student 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 will be to compare and contrast genetic analysis of and the genetic control of developmental processes and mechanisms in these four organisms. The course will consist of lectures, student presentations, and written assignments

Prerequisite: BS 50, BS 52, BS 54, their equivalents or permission of instructor.

***MCB 155. Molecular Mechanisms of Gene Control**

Catalog Number: 6230

Tom Maniatis

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

An advanced course on the control of gene regulation. Topics include: mechanisms of gene regulation at the level of transcription, chromatin structure, DNA methylation, RNA processing, mRNA localization, and protein synthesis and degradation. The course is taught through weekly lectures and readings from the current literature. Topics covered in lectures and the reading assignments are discussed in sections. Students are required to critically evaluate and discuss recent papers in sections. Two exams.

Prerequisite: BS 52 and BS 54 (or equivalent), and permission of instructor.

MCB 169. Molecular and Cellular Immunology

Catalog Number: 2518

Hidde Ploegh (Medical School)

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

Basic elements of the immune system. Molecular biology of antigen recognition structures on B and T lymphocytes. Cellular and genetic basis of immunity. Regulation and development of the immune system.

Prerequisite: BS 50 and BS 52. Genetics and Cell Biology strongly recommended.

MCB 176. Biochemistry of Membranes

Catalog Number: 3186

Guido Guidotti

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

A course on the properties and involvement in disease of biological membranes, essential elements for cell individuality, communication between cells, and energy transduction. Topics



include : membrane structure; membrane protein synthesis, insertion in the bilayer and targeting; transporters, pumps and channels; electron transport, H⁺ gradients and ATP synthesis; membrane receptors, G proteins and signal transduction.

Prerequisite: BS 52 and BS 54.

MCB 177. Macromolecular Assemblies in Genetic Processes

Catalog Number: 3102 Enrollment: Limited to 30.

James C. Wang

Half course (fall term). M., 7–9 p.m. EXAM GROUP: 9

Selected topics on complex assemblies in replication, repair, recombination, and transcription will be discussed. Emphasis is on the structural basis of an assembly and the macromolecular interactions underpinning its function.

Prerequisite: BS 52 and BS 54 or equivalent, or permission of the instructor. Background in macromolecular structures and functions encouraged.

MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation

Catalog Number: 2854

J. Woodland Hastings and Charles A. Czeisler (Medical School)

Half course (fall term). W., 2-5, and a one hour discussion section per week to be arranged.

EXAM GROUP: 7, 8

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 BS 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 2003–04.

Prerequisite: BS 52, BS 54, and BS 50.

***MCB 195. Genomics and the Biology of Complex Systems**

Catalog Number: 8701 Enrollment: Limited to 65.

Andrew W. Murray

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

The complete sequences of an increasing number of genomes have produced a range of new



experimental and computational approaches to biological problems. This course takes an integrated approach, exploring how genomes are mapped and sequenced, how various computational methods convert this raw data into information about biology, and how new experimental methods can provide comprehensive information about the behavior and function of genes and their products. Central issues include discussing ways in which computational and experimental methods can work together to provide new insights into biology, the search for general principles in biology, and the idea that evolutionary comparisons will play the critical role in turning raw data into knowledge about how cells and organisms, grow, survive, reproduce, and evolve.

Prerequisite: BS 50 or BS 52 strongly recommended. Computer Science coursework desirable but not required. Or permission of the Instructor.

Cross-listed Courses

[Chemistry 170. Chemical Biology](#)

Primarily for Graduates

[MCB 200 \(formerly MCB 200a\). Introduction to Graduate Study in Molecular and Cellular Biology](#)

Catalog Number: 7215 Enrollment: Limited to MCB graduate students.

Markus Meister, Raymond L. Erikson, and Elizabeth J. Robertson

Half course (fall term). 9/18-10/11: W., 12:30-2, F., 11:30-1 in BL 1058; 10/16-12/16: M., W., 12:30-2pm in BL 1075. 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: Students are expected to actively participate in critical evaluation and discussion. The course will be team-taught by faculty.

[MCB 212. Topics in Biophysics](#)

Catalog Number: 3351

Howard C. Berg

Half course (spring term). F., 2:30-4. EXAM GROUP: 7, 8

Motility and sensory transduction; Chemotaxis in bacteria; flagellar motility; prokaryotic and eukaryotic motor molecules.

Note: To be given in odd years. A term paper and seminar will be required.

[\[*MCB 250. Producing a Phenotype: Modern Genetics & Genomics\]](#)

Catalog Number: 7006 Enrollment: Limited to 20.

William M. Gelbart

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

A course consisting of a combination of lectures, student seminars, and computational investigations exploring the current interface between the genetic and genomic analysis of DNA sequences and gene products. The goal is to understand how these different approaches may be synthesized to understand biological processes.



Note: Expected to be given in 2003–04.

Prerequisite: Courses in basic genetics and molecular biology, and permission of instructor.

MCB 268. Molecular Immunology: Seminar

Catalog Number: 2196 Enrollment: Limited to 20.

Jack L. Strominger

Half course (spring term). M., Th., 4–6. EXAM GROUP: 9, 18

One session each week is a lecture on the topics. At the second session, four papers are read from the current literature; each is presented by a student in 20–30 minutes. Reading of the papers, seminar presentations, and class participation are the only work of the course.

Prerequisite: MCB 169 or permission of instructor required for undergraduates, but not essential for graduate students.

[MCB 289. Photobiology]

Catalog Number: 7087 Enrollment: Limited to 10.

J. Woodland Hastings

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

Interaction of light with biological systems and the relevant principles of photochemistry and photophysics. Topics include vision, photosynthesis, bioluminescence, photoinactivation and mutation, photomovement and morphogenesis, photoperiodism, and photomedicine.

Note: Expected to be given in 2003–04.

Prerequisite: BS 50 and BS 54 or equivalent, and an introductory course in physics.

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

***MCB 304. Biochemistry of Cell Cycle Regulation**

Catalog Number: 2980

Brian D. Dynlacht 1940

***MCB 306. Biophysics and Physiology of Neurons**

Catalog Number: 1695

Venkatesh N. Murthy 2424

***MCB 310. Molecular Embryology of the Mouse**

Catalog Number: 8031

Elizabeth J. Robertson 3313



***MCB 312. Military and Arms Control Applications of Biology and Chemistry**

Catalog Number: 2063

Matthew Meselson 1319 (on leave spring term)

***MCB 322. Genetics and Development**

Catalog Number: 7290

Craig P. Hunter 2803

***MCB 326. Biochemical Virology**

Catalog Number: 0243

Raymond L. Erikson 7506

***MCB 327. DNA Damage Induced Signal Transduction**

Catalog Number: 8684

Matthew Michael 3825

***MCB 344. Molecular and Developmental Neurobiology**

Catalog Number: 2292

Catherine Dulac 2801

***MCB 351. Structural Molecular Biology**

Catalog Number: 1977

Stephen C. Harrison (Medical School) 3597

***MCB 359. Molecular Genetics**

Catalog Number: 6278

Nancy Kleckner 4697 (on leave spring term)

***MCB 360. Proteins Involved in DNA Transactions**

Catalog Number: 0407

James C. Wang 4870

***MCB 364. Vertebrate Development**

Catalog Number: 1396

Andrew P. McMahon 3312

***MCB 365. Neurobiology**

Catalog Number: 8349

John E. Dowling 3545 (on leave fall term)

***MCB 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

***MCB 378. Motile Behavior of Bacteria**

Catalog Number: 5729

Howard C. Berg 1377

***MCB 381. Microbial Development**

Catalog Number: 4994

Richard M. Losick 3561

***MCB 382. Molecular Immunology**

Catalog Number: 5515

Jack L. Strominger 1193

***MCB 386. Molecular Evolution**

Catalog Number: 0763

Matthew Meselson 1319 (on leave spring term)

***MCB 390. Function of Neuronal Circuits**

Catalog Number: 8883

Markus Meister 3007

***MCB 391. Biochemistry**

Catalog Number: 4888

Guido Guidotti 1203



***MCB 392. Lysosomal Cholesterol Transport**

Catalog Number: 7866

Axel Nohturfft 3826

***MCB 395. Eukaryotic Gene Regulation**

Catalog Number: 7697

Tom Maniatis 7231

***MCB 396. Regulation of Mitosis**

Catalog Number: 5706

Andrew W. Murray 3765

***MCB 399. Vertebrate Developmental Biology**

Catalog Number: 7699

Douglas A. Melton 7232

Biology

Certain courses at the Medical School, offered by the FAS through the Division of Medical Sciences (see listings in this catalog), may be counted for concentration credit by individual petition to the Biology Undergraduate Committee *prior* to filing the study card. These include courses in Biological Chemistry and Molecular Pharmacology, Cell Biology, Genetics, Immunology, Microbiology, Neurobiology, Pathology, and Virology.

With the approval of the Biology Undergraduate Committee, summer courses taken at the Marine Biological Laboratory, Woods Hole, Massachusetts, may be counted toward degree requirements, but the total credit so obtained shall not exceed one course. Similarly, and with the same limitations, courses taken in Tropical Biology under the auspices of the Organization for Tropical Studies may be counted toward degree requirements.

For Undergraduates and Graduates

[Biology 102 \(formerly Biology 21\). Structure and Physiology of the Vertebrates](#)

Catalog Number: 0921

George V. Lauder and Andrew A. Biewener

Half course (fall term). Lectures, M., W., F., at 9, and five hours of laboratory each week. EXAM GROUP: 2

Introduction to the relationship between physiology, structure, and function of vertebrates. Lectures concentrate on selected organ systems (musculoskeletal, cardiovascular, respiratory, reproductive, excretory, and digestive) paying particular attention to how they have evolved and diversified within living vertebrate groups in relationship to environmental factors. General principles of structure-function relationship are emphasized. Physiology and morphological dissection labs concentrate on higher vertebrates and are correlated with one another and with the lectures.

Prerequisite: BS 1 or 50 and 2 or 51.



[Biology 103. Plant Systematics]

Catalog Number: 8704

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

An introduction to the phylogeny, evolution, and diversification of the flowering plants, with emphasis on the major plant families of the world. Native and cultivated plants of eastern North America are studied in laboratory and field work.

Note: Expected to be given in 2003–04.

Prerequisite: BS 51 or permission of instructor.

Biology 106. Plant Development and Differentiation

Catalog Number: 4559

Elena M. Kramer

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

A comprehensive lecture course on the developmental biology of plants from fertilization through all phases of vegetative and reproductive growth. Material will include both morphological and genetic studies. Although the main focus of the course will be angiosperms, examples will be drawn from other lineages of land plants as well. Additional topics will include control of cell division and elongation, signal transduction, and hormone response.

Prerequisite: Biology 124 (formerly Biology 24) and BS 50 or permission of the instructor.

[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 2003–04.

Prerequisite: BS 2 or 51 or permission of instructor.

Biology 110 (formerly Biology 10). Biology of Invertebrate Animals

Catalog Number: 7873

Kenneth J. Boss

Half course (fall term). Lectures M., W., F., at 11; laboratory to be arranged. EXAM GROUP: 4

Surveys the diversity of invertebrate animals, including their natural history and probable evolutionary relationships. The ecological and behavioral adaptations as well as the morphology and systematics of these organisms are explored, using common marine, freshwater, terrestrial, and parasitic species.

Note: BS 51 recommended, or permission of instructor required.

Biology 114. Vertebrate Viviparity

Catalog Number: 4953

David A. Haig

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Viviparity has evolved many times in vertebrate phylogeny. The course will review the diversity



of parental care in vertebrates and explore the selective forces that have favored the evolution of live-bearing. The evidence for intergenerational conflicts will be considered.

[Biology 115. The Diversity of Coral Reef Habitats]

Catalog Number: 1422

*Gonzalo Giribet**Half course (spring term). Hours to be arranged.*

The taxonomy, diversity, ecology and conservation of different habitats in a tropical reef area of the Caribbean will be studied. Typical coral reef habitats, mangrove, water column (pelagos), sediments (meio and megafauna), and seagrass communities will be investigated. The course consists of a series of lectures and labs integrating reef ecology, invertebrate diversity, and conservation issues.

Note: Expected to be given in 2003–04. A field trip to a marine biological station during spring break will serve to start a team project on invertebrate reef ecology.

Prerequisite: Any two courses of the following 4 topics: BS51, BS 53, Biology 110 (formerly Biology 10), Biology 187, or BS 55 (formerly Biology 19).

Biology 118. Biological Oceanography

Catalog Number: 7752

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

The ocean as an ecological system. Emphasis on the ecology and physiology of the plankton. Considerable attention to processes and events that demonstrate the complexity of environmental-organismal interactions. Discussion sessions treat special topics such as sampling strategies, plankton demonstrations, and critical analyses of current literature.

Note: For Biology and other natural science concentrators.

Prerequisite: BS 50 and Chemistry 5 and 7 or Chemistry 10. BS 55 (formerly Biology 19) is recommended.

[Biology 120. Physiology of Plants]

Catalog Number: 2554

*N. Michele Holbrook**Half course (fall term). Hours to be arranged.*

Introduction to the physiology, biochemistry, and development of plants. Topics include photosynthesis, energy balance, transport processes, growth, biomechanics, and reproduction. Emphasis on the physiological basis for structural adaptations of plants in relation to environmental constraints and on mechanisms leading to developmental and physiological integration at the whole-plant level. Laboratory sessions provide an introduction to basic measurement techniques in plant physiology.

Note: Expected to be given in 2003–04.

Prerequisite: Permission of the instructor.

***Biology 121a. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4049

*Andrew A. Biewener, George V. Lauder, and Daniel E. Lieberman**Half course (spring term). Hours to be arranged.*



This course 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: Biology 102 (formerly Biology 21) preferred and permission of instructor.

***Biology 121b. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4670

Andrew A. Biewener and George V. Lauder

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

Students may extend the initial project undertaken in Biology 121a into a thesis research project.

Note: Laboratory safety session required.

Prerequisite: Biology 121a and permission of instructor.

[Biology 123. Biology of Symbiosis]

Catalog Number: 0508

Colleen M. Cavanaugh

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

An examination of the major aspects of endosymbiosis with emphasis on mutualism, although some parasitic interactions are covered. Topics include origins of the eukaryotic cell, specificity and recognition of partners, distribution and diversity of associations, and coevolution of host and symbiont.

Note: Expected to be given in 2003–04.

Prerequisite: BS 1 or 50 and 2 or 51, and BS 11 or equivalent, or permission of instructor.

Biology 124 (formerly Biology 24). Biology of Plants

Catalog Number: 1343

N. Michele Holbrook and Elena M. Kramer

Half course (spring term). Tu., Th., 10–11:30, one afternoon laboratory per week, plus occasional field trips. EXAM GROUP: 12, 13

Introduction to the structure, diversity, and physiology of plants with an emphasis on evolutionary relationships and adaptations to life on land. Topics include growth, resource acquisition, interactions with other organisms (i.e., fungi, bacteria, insects), reproduction, and survival in extreme environments. Laboratory sessions provide an overview of plant and diversity and an introduction to basic physiological processes.

***Biology 130. Patterns and Processes in Fish Diversity**

Catalog Number: 4624 Enrollment: Limited to 25.

Karel F. Liem and George V. Lauder

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

Fishes inhabit all aquatic environments including deep seas, intertidal zones, coral reefs, polar waters, the vast Amazonian basin, and great East African lakes. Some exploit anoxic waters. A single fish species may occupy diverse environments through extraordinary long distance



horizontal and vertical migratory strategies. To explore this unparalleled diversity, the course emphasizes bridging traditional academic boundaries with integrative analyses of the biology underlying rapid evolutionary radiations, stasis, and mass extinctions.

Prerequisite: BS 50 and BS 51, or permission of instructor.

Biology 139. Evolution of the Vertebrates

Catalog Number: 8562

Farish A. Jenkins, Jr.

Half course (fall term). Tu., Th., 8:30–10. 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: Biology 102 (formerly Biology 21) or equivalent.

Biology 149. Plant Ecology

Catalog Number: 2670

Fakhri A. Bazzaz

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

Introduction to concepts and principles of plant ecology, with emphasis on experimental approaches to understanding the biology of plant populations. Special attention is given to plant ecophysiological response to the physical and biological environment including energy, water, nutrients, environmental contaminants, pollinators, herbivores, predators and pathogens; competition and resource sharing; the niche and the level of ecological variation; community organization.

Prerequisite: BS 53, Biology 17, BS 55 (formerly Biology 19) or permission of instructor.

Biology 150. Tropical Plant Ecology

Catalog Number: 9806

N. Michele Holbrook and Augusto Franco

Half course (spring term). M., W., (F.), at 9. EXAM GROUP: 2

An introduction to tropical ecosystems and environments, including lowland rainforest, montane cloud forest, seasonally dry savannas, coastal zones, flooded forests, alpine paramos, thorn scrub and gallery forest. Topics include how plant ecophysiology and climatic factors influence the structure and function of tropical ecosystems, as well as human impacts such as deforestation, agriculture, cattle and global change.

Note: Biological Sciences 51, 53 or 55 recommended.

[Biology 152. Population Genetics]

Catalog Number: 0903

John R. Wakeley

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

Introduction to population genetic theory. Covers deterministic and stochastic theory of gene frequencies, and coalescent theory of sample-based statistics. Emphasis on patterns of genetic variation within and between populations, and how these can serve as the basis for inference about mutation, genetic drift, migration, natural selection, and population structure.



Note: Expected to be given in 2003–04.

Prerequisite: BS 53, calculus, and knowledge of statistics and probability.

[Biology 155r. Biology of Insects]

Catalog Number: 2346 Enrollment: Limited to 15.

Naomi E. Pierce

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.

Note: Expected to be given in 2003–04.

Prerequisite: Science B-29 or BS 50, 51, or 53 or equivalent, or permission of instructor.

[Biology 156. Tropical Insect Systematics]

Catalog Number: 0584

Brian D. Farrell

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

A lab course on the systematics and diagnosis of the 200 principal families across 26 orders of insects, including acquisition of the skills to perform rapid onsite insect biodiversity assessment and documentation in the field. Learning to identify insects to the family level using microscopes and a teaching collection. Includes a spring break fieldtrip to the Dominican Republic, during which student teams will collect and process insect specimens for database entry onsite, including digital imaging.

Note: Expected to be given in 2003–04.

Prerequisite: Biology 51 or 53 and Biology 155r or permission of the instructor.

[Biology 160. Forest Ecology]

Catalog Number: 4369

David R. Foster

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

Plant community organization, structure, and dynamics focusing primarily on the forest vegetation of northeastern North America. Field studies emphasize the role of natural and anthropogenic disturbance in controlling the pattern of vegetation, methods of vegetation analysis, and historical methods of vegetation reconstruction.

Note: Expected to be given in 2003–04. Includes two full weekend field trips to the Harvard Forest.

Prerequisite: BS 2 or 51 or permission of instructor.

Biology 174r (formerly Biology 174). Topics in Behavioral Biology: Learning and Memory

Catalog Number: 5199 Enrollment: Limited to 30.

Naomi E. Pierce (convenor), David A. Haig, Marc D. Hauser, Markus Meister, and Richard W. Wrangham

Half course (spring term). M., 4–6, ninety minutes of discussion section each week. EXAM



GROUP: 9

Current issues in behavior are examined, with topics to change each year. Learning and memory will be the focus of the spring term in 2003. The course will involve invited speakers and participation of professors across disciplines.

Prerequisite: BS 57 (formerly Biology 22), BS 80 or Science B-29 or permission of instructor.

[Biology 181. Systematics]

Catalog Number: 5459

Gonzalo Giribet and Charles R. Marshall

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

Theory and practice of systematics, emphasizing issues associated with homology statements and alignments, methods of tree reconstruction, and hypothesis evaluation. The course combines theoretical considerations, paying especial attention to algorithmic aspects of phylogenetics, with the use of different computer programs for conducting evolutionary and phylogenetic analyses.

Note: Expected to be given in 2003–04.

Prerequisite: BS 53, or permission of instructor required. *Recommended:* Familiarity with computers, especially Mac and PC platforms. Linux also recommended.

Biology 187. Current Advances in Metazoan Diversity and Evolution

Catalog Number: 3220

Gonzalo Giribet

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

Current discoveries of new metazoan groups, their relationships to known animals, and the newest hypotheses in metazoan evolution are examined. Background in metazoan diversity and in systematics are recommended. Newly discovered animal groups, their evolutionary significance, and their possible relationships will be presented. Examples will be drawn from various phyla including Gnathostomulida, Loricifera, Cyclophora, Micrognathozoa, and other poorly understood animals. Original literature will be discussed, emphasizing on the evolution and relationships of the organisms presented in class.

Biology 188r. History of Biological Form

Catalog Number: 9778

Matthew V. Thompson

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

A historical and conceptual approach to the problems of morphogenesis (how organisms acquire their shape) from both evolutionary and developmental perspectives. Subjects include Classical and Enlightenment studies of morphogenesis, the rise of evolutionary theory and genetics and their incorporation into developmental biology, genetic and non-genetic control of development, the mechanisms of pattern initiation, and the origins of life.

Note: Knowledge of introductory molecular and cellular biology, and genetics is recommended. An advanced understanding of developmental genetics is not required.

Primarily for Graduates

Biology 200r. A.B./A.M. Laboratory Research

Catalog Number: 3696



William M. Gelbart and members of the Department

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

Open only to Advanced Standing Biology concentrators doing research as part of a combined AB/AM degree. To be taken in both the first and second semesters of the student's fourth year. Work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. All students must submit registration materials for Biology 200r at the time of enrollment. In the first semester, a written report of approximately 10 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form. In the second semester, the honors thesis will be submitted on the date indicated on the registration form. All students enrolling in this course must submit a short thesis proposal prior to the first day of classes. The thesis proposal form is available in the Biology Undergraduate Office.

Note: Laboratory safety session required.

[Biology 208. Issues in Paleobiology: Seminar]

Catalog Number: 1344

Andrew H. Knoll and Charles R. Marshall

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

A seminar focusing on current issues in paleobiology. Examines patterns of diversification, morphological change, and extinction, as well as detailed patterns of change across selected stratigraphic boundaries.

Note: Expected to be given in 2003–04.

Biology 211r. Form, Function, and Evolution

Catalog Number: 2056

Karel F. Liem and guest lecturers

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

Intrinsic and extrinsic determinants of form, considered from the evidence of neontological studies of vertebrates. Current research approaches and theories discussed by faculty, guest lecturers, and students. Topics are determined by the interests of the students.

Biology 212r. Advanced Topics in Plant Physiology

Catalog Number: 2176

N. Michele Holbrook

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

A critical discussion of current research in plant physiology including measurement techniques, modeling, and experimental approaches.

Prerequisite: Biology 120 or permission of instructor.

[Biology 214. Macroevolution of Interactions]

Catalog Number: 7040 Enrollment: Limited to 15.

Brian D. Farrell and Naomi E. Pierce

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

Focuses on current issues pertaining to the macroevolution of resource use and interspecific interactions, with emphases on insects, plants, and fungi. The goal will be to achieve a synthetic



view of the evolution of ecological specialization and the evolving trophic web. Topics will include the timing, liability, and consequences of evolutionary change in traits affecting interactions (including mutualisms and antagonisms), and their implications for community structure and diversity. Readings will be of paleontological, phylogenetic, and neontological studies from primary literature and recent reviews.

Note: Expected to be given in 2003–04.

Prerequisite: BS 53 (formerly Biology 17 and 20), Biology 22 or equivalent, or permission of instructor.

[Biology 221. Bacterial Diversity]

Catalog Number: 1234

Colleen M. Cavanaugh

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

The remarkable diversity of prokaryotes is examined. Physiological, genetic, ecological, and evolutionary characteristics of Bacteria and Archaea divisions are discussed, as well as the relation of phenotype to phylogeny.

Note: Expected to be given in 2003–04.

Prerequisite: BS 1 or 50 and 2 or 51, and BS 11 or equivalent, or permission of instructor.

Biology 224 (formerly Biology 143). Biology of the Fungi

Catalog Number: 1308

Donald H. Pfister

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

This is an intensive course covering the morphology, classification, evolution, and diversity of the fungi, including both parasitic and saprophytic members. Attention is given to biological phenomena unique to fungi. Readings and discussion will draw from the primary literature. Students will apply a variety of techniques to study fungi in the field and in the laboratory.

Note: At least one weekend field trip to be arranged.

Prerequisite: Biology 113 or permission of instructor.

Biology 227. Molecular Approaches to Environmental Microbiology

Catalog Number: 4444

Colleen M. Cavanaugh

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

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

Prerequisite: Earth and Planetary Sciences 30 and BS 11 or equivalent, or permission of instructor.

***Biology 234. Topics in Marine Biology**

Catalog Number: 4637 Enrollment: Limited.

Robert M. Woollacott

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

Reproduction and dispersal of marine organisms.

Note: Weekly class meeting and several field trips and laboratories through course of term.



***Biology 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 including biped and quadruped mammals, ruminant and non-ruminant mammals, birds, amphibians, and reptiles; students are expected to integrate their previously learned knowledge of anatomy and physiology into the context of the whole, living animal.

Note: Intended for the student interested in the application of surgical technique in higher studies in biology and related disciplines.

Prerequisite: Comparative Anatomy, Biology 21, or equivalent course.

Biology 252. Coalescent Theory

Catalog Number: 0118

John R. Wakeley

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

The mathematics and computation of ancestral inference in population genetics. Theory relates observable genetic data to factors of evolution such as mutation, genetic drift, migration, natural selection, and population structure.

Prerequisite: Biology 152 or consent of instructor: calculus and statistics or probability.

Biology 253r. Seminar in Evolutionary Genetics

Catalog Number: 8104

John R. Wakeley

Half course (fall term; repeated spring term). Fall: Tu., at 1; Spring: Tu., 1–2:30. EXAM GROUP: Fall: 15; Spring: 15, 16

Readings and discussion of primary literature in population and evolutionary genetics.

Prerequisite: Biology 152 or consent of instructor.

Biology 254. Genomic Imprinting and Parent-Offspring Conflict

Catalog Number: 9341

David A. Haig

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

A seminar course that will discuss evolutionary aspects of genomic imprinting and the related theory of parent-offspring conflict.

Biology 255. Nature and Regulation of Marine Ecosystems

Catalog Number: 7753

James J. McCarthy and guest lecturers

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

A presentation of topics that are of current interest in marine ecosystems. Emphasis on identification and quantification of biological and environmental factors important in the



regulation of community structure in the intertidal, deep benthic, and planktonic realms.

Prerequisite: BS 55 (formerly Biology 19) and Biology 118.

[Biology 261r. Seminar in Evolution and Development]

Catalog Number: 8451

James Hanken and Elena M. Kramer

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

Graduate seminar will evaluate contemporary problems and issues in evolutionary developmental biology. Weekly meetings include student presentations based on assigned readings, plus occasional guest speakers. Examples will be drawn from both plants and animals.

Note: Expected to be given in 2003–04.

[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 2003–04.

[Biology 268r. Topics in Plant Developmental Genetics]

Catalog Number: 5020

Elena M. Kramer

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

This lecture/seminar will review the literature related to a particular topic plant developmental genetics. Additionally, participants will be familiarized with the advantages and pitfalls of molecular techniques, and the process of project design.

Note: Expected to be given in 2003–04.

Prerequisite: Biology 120, and either BS 50, BS 52, equivalents or by permission of instructor.

Biology 269. Biodiversity in Crisis: Worldwide Amphibian Declines and Extinctions.

Catalog Number: 6394

James Hanken and David B. Wake

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

Seminar for graduate students and advanced undergraduates will assess amphibian declines as an example of the contemporary biodiversity crisis. Topics include scientific and policy issues, public perception, bioinformatics, and conservation. Weekly meetings include student presentations plus occasional guest speakers.

Biology 270. The Evolution and Consequences of Phenotypic Plasticity

Catalog Number: 9658

Kathleen Donohue

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

Investigates how genetics and ecology interact to determine phenotypic expression and alter



evolutionary and ecological processes. Through reading the primary literature, we will explore both the genetic basis and ecological context of phenotypic plasticity.

***Biology 299r. Forest Practice and Research**

Catalog Number: 6128

David R. Foster

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

Field and laboratory research into the history, biology, ecology, culture, and economic problems of local, regional, and world forests. Individual research projects.

Note: Open to students who satisfy the staff that they have had adequate training. Seminars, conferences, field, and laboratory work at the Harvard Forest, Petersham, Massachusetts.

Graduate Courses of Reading and Research

***Biology 303. Theoretical Population Genetics**

Catalog Number: 4248

John R. Wakeley 5680

***Biology 304. Mycology**

Catalog Number: 4702

Donald H. Pfister 4344

***Biology 305. The Fundamental Interconnectedness of All Things**

Catalog Number: 3647

David A. Haig 1629

***Biology 307. Biomechanics, Physiology and Musculoskeletal Biology**

Catalog Number: 2831

Andrew A. Biewener 1446

***Biology 308. Evolution of Floral Developmental Mechanisms**

Catalog Number: 5535

Elena M. Kramer 3791

***Biology 310. Metazoan Systematics**

Catalog Number: 3975

Gonzalo Giribet 3854

***Biology 311. Ecosystem Ecology**

Catalog Number: 6416

Paul R. Moorcroft 4174

***Biology 312. Evolutionary Ecology**

Catalog Number: 2029

Kathleen Donohue 4292



***Biology 320. Biomechanics and Evolution of Vertebrates**

Catalog Number: 8915
George V. Lauder 2375

***Biology 323. Advanced Vertebrate Anatomy**

Catalog Number: 8188
Farish A. Jenkins, Jr. 3558 (on leave spring term)

***Biology 324. Molecular Evolution**

Catalog Number: 2356
Daniel L. Hartl 3278

***Biology 325. Marine Biology**

Catalog Number: 4643
Robert M. Woollacott 4135

***Biology 334. Behavioral Ecology**

Catalog Number: 8279
Naomi E. Pierce 2889

***Biology 335. Ichthyology and Functional Anatomy of Fishes**

Catalog Number: 4640
Karel F. Liem 3843

***Biology 339. Whole-Plant Physiology**

Catalog Number: 5214
N. Michele Holbrook 1220

***Biology 341. Coevolution**

Catalog Number: 2998
Brian D. Farrell 1985 (on leave 2002-03)

***Biology 343. Microbial Ecology and Symbiosis**

Catalog Number: 1288
Colleen M. Cavanaugh 2538

***Biology 345. Biological Oceanography**

Catalog Number: 4676
James J. McCarthy 4343

***Biology 348. Plant Ecology**

Catalog Number: 2885
Fakhri A. Bazzaz 7926



***Biology 355. Evolutionary Developmental Biology**

Catalog Number: 9192

James Hanken 2719

***Biology 357. Population Biology and Mathematical Biology**

Catalog Number: 5392

William H. Bossert 1049

***Biology 359. Paleobotany**

Catalog Number: 0248

Andrew H. Knoll 7425

***Biology 390. The Profession of Biology**

Catalog Number: 5539

Raymond L. Erikson 7506

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

***Biology 399. Topics in Organismic and Evolutionary Biology**

Catalog Number: 0764

Colleen M. Cavanaugh 2538

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

Presents the research interests and experiences of scientists in organismic and evolutionary biology. Specific topics treated vary from year to year.

Note: Required of all first-year graduate students in Organismic and Evolutionary Biology.

Biological Sciences in Dental Medicine

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Dental Medicine

Bjørn R. Olsen, Harvard-Forsyth Professor of Oral Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*) (*Chair*)

Patricia A. D'Amore, Professor of Ophthalmology and Pathology (*Medical School*)

Floyd 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*)

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*)
Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Yi-Ping Li, Assistant Professor of Oral and Developmental Biology (*Dental School*)
Daniel E. Lieberman, Professor of Anthropology (*on leave fall term*)
Bruce J. Paster, Associate 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 Harvard-Forsyth Department of Oral Biology and other Harvard School of Dental Medicine departments with faculty from basic science departments at Harvard Medical School, and faculty from the Faculty of Arts and Sciences.

This newly established program offers advanced study in the molecular, supramolecular, cellular, and supracellular processes that provide the intellectual basis for dental medicine.

The BSDM program is intended for scholars interested in pursuing a career in basic or patient-oriented science in the areas of skeletal biology, cell biology and development, immunology, or microbiology leading to a PhD degree. Eligible applicants will be individuals with a baccalaureate in sciences (BS), a master degree in sciences, (MS), a doctoral degree in dentistry, (DMD, DDS), or a medical doctoral degree (MD).

Graduate Courses of Reading and Research

***Biological Sciences in Dental Medicine 300. Research with Faculty**

Catalog Number: 9825

Bjørn R. Olsen (Dental School, Medical School) 1164

Biological Sciences in Public Health

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*)
Lisa Faye Berkman, Florence Sprague Norman and Laura Smart Norman Professor of Health and Social Behavior and of Epidemiology (*Public Health*)
Bruce F. Demple, Professor of Toxicology (*Public Health*)



Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)
Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
Nan Laird, Professor of Biostatistics (*Public Health*)
Carl N. Morris, Professor of Statistics
Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy (*on leave 2002-03*)
Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)

Faculty of the Subcommittee on the Doctor of Philosophy in Biological Sciences in Public Health

Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*) (*Chair*)
Joseph D. Brain, Cecil K. and Phillip Drinker Professor of Environmental Physiology (*Public Health*)
Bruce F. Demple, Professor of Toxicology (*Public Health*)
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
Myron E. Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
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
Bjørn R. Olsen, Harvard-Forsyth Professor of Oral Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*)
Walter C. Willett, Professor of Medicine (*Medical School*) and Frederick John Stare Professor of Epidemiology and Nutrition (*Public Health*)

Other Faculty Offering Instruction in Biological Sciences in Public Health

Robert B. Banzett, Associate Professor of Medicine and Associate Professor in the Department of Environmental Health (*Medical School, Public Health*)
Barry R. Bloom, Dean of the Faculty and Professor of Immunology & Infectious Diseases (*Public Health*)
Harriet A. Burge, Associate Professor of Environmental Microbiology (*Public Health*)
Barbara Burleigh, Assistant Professor of Immunology & Infectious Diseases (*Public Health*)
James N. Butler, Gordon McKay Professor of Applied Chemistry, Emeritus
Hannia Campos, Assistant Professor of Nutrition (*Public Health*)
David Christiani, Professor of Medicine (*Medical School*)
John R. David, Professor of Medicine (*Medical School*) and Richard Pearson Strong Professor of Immunology and Infectious Diseases (*Public Health*)
Timothy E. Ford, Assistant Professor of Environmental Microbiology (*Public Health*)
Jeffrey J. Fredberg, Professor of Bioengineering and Physiology (*Public Health*)
Marcia Goldberg, Associate Professor of Medicine (Microbiology and Molecular Genetics) (*Medical School*)
Beatriz Susana Gonzalez-Flecha, The Mark and Catherine Winkler Assistant Professor of Molecular Biology and Environmental Health (*Public Health*)



Michael Grusby, Associate Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Public Health*)
 Donald A. Harn, Professor of Tropical Public Health (*Public Health*)
 I-Cheng Ho, Assistant Professor of Medicine (*Medical School*)
 Gokhan S. Hotamisligil, Assistant Professor of Nutrition (*Public Health*)
 Howard Hu, Associate Professor of Occupational Medicine (*Public Health*), Associate Professor of Medicine (*Medical School*)
 David J. Hunter, Professor of Epidemiology (*Public Health*)
 Phyllis J. Kanki, Professor of Pathobiology (*Public Health*)
 Karl Kelsey, Professor of Occupational Medicine (*Public Health*) and Professor of Medicine (*Medical School*)
 Lester Kobzik, Associate Professor of Pathology *Medical School* and Associate Professor in the Department of Environmental Health (*Public Health*)
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Igor Kramnik, Assistant Professor of Immunology (*Public Health*)
 Catherine A. Lee, Silas Arnold Houghton Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
 Tun-Hou Lee, Professor of Virology (*Public Health*)
 Marc Lipsitch, Assistant Professor of Epidemiology (*Public Health*)
 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*) and Clinical Fellow in Pathology (*Medical School*)
 Steven A. Shea, Assistant Professor in the Department of Environmental Health (*Public Health*) and Assistant Professor of Medicine (*Medical School*)
 Stephanie A. Shore, Associate Professor of Physiology (*Public Health*)
 Eric Silverman, Assistant Professor, Department of Environmental Health (*Public Health*), Associate 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, Assistant Professor of Radiobiology (*Public Health*)

See other courses in the School of Public Health catalog.

Primarily for Graduates

***BPH 205. Introduction to Cancer Biology**

Catalog Number: 6234 Enrollment: Limited to 30.

Carl G. Maki (Public Health)

Half course (fall term). 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. Offered jointly with the Medical School as BPH 726.0

Prerequisite: College-level course in biology required.

BPH 206. Advanced Respiratory Physiology

Catalog Number: 1049

James N. Butler

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

This course provides opportunities for students interested in the respiratory system to focus on special topics in lung biology. This year's emphasis will be on the fundamental physical basis and quantitative description of chemical, electrical, and mechanical signaling within the cell. Specific topics covered will 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

As an introduction to the principles governing function in the human body, this course is designed to provide a framework in physiology for future public health researchers and professionals who have not taken college level physiology courses. Emphasis placed on the concept of homeostasis and on integrative aspects of physiology. Example of pathophysiology and environmental physiology will 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. Relevant public health perspectives on the epidemiology or control of disease are also integrated.

Note: Offered jointly with the Medical School as BPH 729.0, and with the School of Public Health as DBE 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.

This course covers aspects of biochemistry, cell and molecular biology of protozoan parasites of humans, including: malaria, toxoplasma, leishmania, trypanosomes, amoebae and giardia. Will include 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: Expected to be given in 2003–04. Offered in alternate years. Offered jointly with the Medical School as BPH 721.0 and with the School of Public Health as IMI 216 (formerly TPH 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). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16

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: 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 (formerly CCE 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). Tu., 3:30–5:20. EXAM GROUP: 17, 18

Covers in detail the interactions of pathogens with the host immune system, including innate and protective responses and those immune responses that are deleterious. 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: Offered in alternate years. Offered jointly with the HMS 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

This course reviews 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: NUT 201 is recommended; prior familiarity with nutrition and the health sciences expected, as well as a basic knowledge of biochemistry and human physiology. Offered jointly with the Medical School as BPH 733.0, and with the School of Public Health as NUT 202.

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)

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

Members of the Division of Biological Sciences offer hands-on experimental methods of research in the biological sciences.

Note: Offered jointly with the School of Public Health as DBS 300ab, DBS 300cd.

***BPH 302. Molecular Regulation of Thrombosis**

Catalog Number: 2731

Guy L. Reed III 1615

***BPH 304. Study of Workplace Mutagen and Carcinogen Exposure**

Catalog Number: 2734

Karl Kelsey (Public Health, Medical School) 2316

***BPH 306. Circadian and Sleep Physiology and Disorders**

Catalog Number: 2730

Steven A. Shea (Public Health, Medical School) 1309

***BPH 307. Cellular Defenses Against Oxygen Radical Damage**

Catalog Number: 2758

Bruce F. Demple (Public Health) 7853

***BPH 311. Molecular Mechanisms of Control of the Biosynthesis, Secretion, and Action of Polypeptide Hormones**



Catalog Number: 2757

Armen H. Tashjian, Jr. (Public Health, Medical School) 2071

***BPH 312. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 2736

Marianne Wessling-Resnick (Public Health, Medical School) 1315

BPH 313. Mechanisms of Drug Resistance in *Entamoeba histolytica

Catalog Number: 2681

John C. Samuelson (Public Health, Medical School) 1618

BPH 315. Molecular Genetic Analysis of Gene Expression and Drug Resistance in Parasitic Protozoan, Including *Leishmania* and *Malaria

Catalog Number: 2756

Dyann F. Wirth (Public Health) 2492

BPH 316. Immunology and Molecular Biology of *Schistosoma mansoni

Catalog Number: 2737

Donald A. Harn (Public Health) 2051

***BPH 317. Gene-Environment Interactions in Human Lipoprotein Metabolism**

Catalog Number: 2541

Hannia Campos (Public Health) 2710

***BPH 319. Signaling Mechanisms of Peptide Hormones, Genetic and Molecular Basis of Obesity and Diabetes**

Catalog Number: 8425

Gokhan S. Hotamisligil (Public Health) 2725

***BPH 321. Mechanical Mechanisms of Cytoskeleton and its Regulatory Role in Cell Growth and Migration**

Catalog Number: 5552

Ning Wang (Public Health) 2737

***BPH 322. Study of Epidemiologic and Biological Characteristics of HIV Viruses in Africa**

Catalog Number: 4523

Phyllis J. Kanki (Public Health) 2270

***BPH 323. Human Lipoprotein Metabolism: Biochemistry and Metabolic Modeling**

Catalog Number: 5530

Frank M. Sacks 2276

***BPH 324. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 5915

Raymond L. Erikson 7506



***BPH 325. Assessment of the Impact of Workplace Pollutants on Health**

Catalog Number: 7448

David Christiani (Public Health, Medical School) 1514

***BPH 330. Advanced Topics in Biological Sciences in Public Health**

Catalog Number: 3976

Marianne Wessling-Resnick (Public Health, Medical School) 1315

A series of discussion and seminars each running for a half semester (7-8 weeks). Two seminars, which can be taken in different semesters, are required for half course credit.

***BPH 331. Perception of Afferent Information from the Respiratory System**

Catalog Number: 3655

Robert B. Banzett (Medical School, Public Health) 1310

***BPH 332. Function and Structure of Pulmonary and Hepatic Macrophages**

Catalog Number: 7331

Joseph D. Brain (Public Health) 2520

***BPH 333. Nature, Prevalence, Health Effects, and Control of Airborne Biological Agents**

Catalog Number: 1556

Harriet A. Burge (Public Health) 2761

BPH 334. Molecular Basis of Host Cell Invasion, Signaling and Differentiation by the Human Pathogen, *Trypanosoma cruzi

Catalog Number: 2409

Barbara Burleigh (Public Health) 2763

***BPH 335. The Biology of Cytokines and the Control of Parasitic Infections**

Catalog Number: 9204

John R. David (Public Health, Medical School) 3592

***BPH 336. Study of Human and Primate T-lymphotrophic Retroviruses Including Agents that Cause AIDS**

Catalog Number: 3248

Myron E. Essex (Public Health) 2499

***BPH 337. Environmental Pollution, Waterborne Disease, Pathogen Survival**

Catalog Number: 5110

Timothy E. Ford (Public Health) 1525

***BPH 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, Associate Professor of Chemistry and Chemical Biology
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Gregory L. Verdine, Harvard College Professor and Erving Professor of Chemistry (*on leave spring term*)
Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Other Faculty Offering Instruction in Biophysics

John A. Assad, Assistant Professor of Neurobiology (*Medical School*)
Frederick Ausubel, Professor of Genetics (*Medical School*)
William H. Bossert, David B. Arnold, Jr. Professor of Science
Daniel Branton, Higgins Research Professor of Biology
Martha Leonia 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, Professor of Neurobiology (*Medical School*)
Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)
R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)
Bruce F. Demple, Professor of Toxicology (*Public Health*)
John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences (*on leave fall term*)
Michael J. Eck, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
Christin A. Frederick, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
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

Martin Karplus, Theodore William Richards Research Professor of Chemistry

Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)

Nancy Kleckner, Herchel Smith Professor of Molecular Biology (*on leave spring term*)

Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)

David R. Liu, Associate Professor of Chemistry and Chemical Biology

Jun S. Liu, Professor of Statistics

Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology

Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)

Timothy J. Mitchison, Hasib Sabbagh Professor of Cell Biology (*Medical School*)

Venkatesh N. Murthy, Assistant Professor of Molecular and Cellular Biology

Mara Prentiss, Professor of Physics

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*)

Jack Szostak, Professor of Genetics (*Medical School*)

John R. Wakeley, Thomas D. Cabot Associate Professor of Organismic and Evolutionary Biology

Thomas Walz, Assistant Professor of Cell Biology (*Medical School*)

George M. Whitesides, Mallinckrodt Professor of Chemistry and Chemical Biology

Wing H. Wong, Professor of Statistics (*FAS*) and Professor of Computational Biology (*Public Health*)

Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology

Gary I. Yellen, Professor of Neurobiology (*Medical School*)

Xiaowei Zhuang, Assistant Professor of Chemistry and Chemical Biology and of Physics

Biophysics students should consult course listings from the departments of Biology, Chemistry and Chemical Biology, Physics, Molecular and Cellular Biology, 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.

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 2003–04. Offered in alternate years. It is suggested that students enroll in Chemistry 164 when this course is bracketed. Cannot be taken for credit by students who have completed Chemistry 164.

Prerequisite: Biological Sciences 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](#)

[\[Applied Mathematics 147. Non-linear Dynamical Systems\]](#)

[\[Biology 152. Population Genetics\]](#)

[Chemistry 160. Physical Chemistry](#)

[Chemistry 163. Frontiers in Molecular Biophysics](#)

[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 117. Experimental Neuroscience](#)

[MCB 129. Molecular Genetics of Neuronal Development and Disease](#)

[\[MCB 138. Function of Neural Systems\]](#)

[\[MCB 140. Introduction to Biophysics\]](#)

[MCB 141. Molecular and Developmental Neurobiology](#)

[MCB 150. Developmental Genetics and Genomics](#)

[*MCB 155. Molecular Mechanisms of Gene Control](#)



[MCB 169. Molecular and Cellular Immunology](#)
[MCB 176. Biochemistry of Membranes](#)
[MCB 177. Macromolecular Assemblies in Genetic Processes](#)
[\[Mathematics 115. Methods of Analysis and Applications\]](#)

Primarily for Graduates

[Biophysics 242r. Special Topics in Biophysics](#)

Catalog Number: 6011

Members of the Committee

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

This year the focus will be on imaging of molecules and of molecular localization in cells, including x-ray and electron crystallography, electron microscopy of single molecules, and high-resolution light microscopy.

Note: This course meets Tuesdays in Goldenson 122 and Thursdays in Seeley Mudd Bldg. Rm 114, both at the Harvard Medical School Campus.

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](#)
[\[Chemistry 245. Single-molecule Biophysics\]](#)
[Genetics 201. Principles of Genetics](#)
[Genetics 224. Genomics and Computational Biology](#)
[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

***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 (on leave fall term)

***Biophysics 318. Mechanisms of Circadian Rhythms, Bioluminescence**

Catalog Number: 4699

J. Woodland Hastings 1311

***Biophysics 321. Molecular and Mechanical Analysis of Chromosomes**

Catalog Number: 7297

Nancy Kleckner 4697 (on leave spring term)

***Biophysics 322. Theoretical Studies of the Structure, Functions, and Dynamics of Molecules of Biological Interest**

Catalog Number: 6525

Martin Karplus 1361

***Biophysics 323. Molecular Oncology**

Catalog Number: 8284

Edward E. Harlow (Medical School) 2863



***Biophysics 327. Molecular Genetics**

Catalog Number: 4202

Frederick Ausubel (Medical School) 4639

***Biophysics 328. X-Ray Crystallographic Studies of Macromolecular Structures**

Catalog Number: 4010

Christin A. Frederick (Medical School) 2614

***Biophysics 329. Computational and Functional Genomics**

Catalog Number: 4437

George M. Church (Medical School) 1608

***Biophysics 332. Function of Neuronal Circuits**

Catalog Number: 5444

Markus Meister 3007

***Biophysics 333. Topics in Biophysics and Molecular Biology**

Catalog Number: 0196

Brian Seed (Medical School) 7619

***Biophysics 335. Gene Expression**

Catalog Number: 3602

Tom Maniatis 7231

***Biophysics 337. Membrane Structure and Function**

Catalog Number: 1800

Keith W. Miller (Medical School) 4124

***Biophysics 338. Redox Signaling and Repair of Oxidative DNA Damage**

Catalog Number: 4755

Bruce F. Demple (Public Health) 7853

***Biophysics 340. Membrane Organization and Protein-Protein Interactions in the Membrane Skeleton**

Catalog Number: 7506

Daniel Branton 4139

***Biophysics 341. Structure and Function of Ligand-Gated Ion Channels**

Catalog Number: 7567

Jonathan B. Cohen (Medical School) 1120

***Biophysics 343. 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 (on leave spring term)

***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 Leonia 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 383. Computational and Physical Analysis of Biological Networks**

Catalog Number: 7346

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*)

John Y. Campbell, Otto Eckstein Professor of Applied Economics

Estelle Cantillon, Assistant Professor of Business Administration (*Business School*)

Paul Murray Healy, James R. Williston Professor of Business Administration (*Business School*)

Ariel Pakes, Professor of Economics (*on leave fall term*)

Alvin E. Roth, George Gund Professor of Economics and Business Administration

Subcommittee on the Degree of Doctor of Philosophy in Information Technology and Management

Marco Iansiti, 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*) (*on leave spring term*)

George P. Baker, MBA Class of 1966 Professor of Business Administration (*Business School*)



Paul Murray Healy, James R. Williston Professor of Business Administration (*Business School*)
John W. Hutchinson, Abbott and James Lawrence Professor of Engineering
David C. Parkes, Assistant Professor of Computer Science on the Gordon McKay Endowment
Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science
David Mark Upton, Albert J. Weatherhead III Professor of Business Administration (*Business School*)

Subcommittee on the Degree of Doctor of Philosophy in Organizational Behavior

Peter V. Marsden, Professor of Sociology (*Acting Chair*)
Teresa M. Amabile, Edsel Bryant Ford Professor of Business Administration (*Business School*)
George P. Baker, MBA Class of 1966 Professor of Business Administration (*Business School*)
Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)
David R. Gibson, Assistant Professor of Sociology (*on leave spring term*)
J. Richard Hackman, Cahners-Rabb Professor of Social and Organizational Psychology
Paul Murray Healy, James R. Williston Professor of Business Administration (*Business School*)
Jay W. Lorsch, Louis E. Kirstein Professor of Human Relations (*Business School*)
Joel Podolny, Professor of Sociology and Professor of Business Administration
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*)
Ramon Casadesus-Masanell, Assistant Professor of Business Studies (*Business School*)
Kenneth S. Corts, Associate Professor of Business (*Business School*)
I J Alexander Dyck, Associate Professor of Business Studies (*Business School*)
Lee Fleming, Assistant Professor of Business Administration (*Business School*)
Giovanni Gavetti, Assistant Professor of Business Studies (*Business School*)
John Timothy Gourville, Associate Professor of Business Studies (*Business School*)
Charles King, Assistant Professor of Business Studies (*Business School*)
Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)
David Abraham Moss, Associate Professor of Business Studies (*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 HBS faculty

Half course (fall term). M., W., F., 12:30–2. EXAM GROUP: 5, 6

Students will examine classic works in administrative theory, recent work on organizational processes, the management of change and the management of technology. The course will cover theories of human motivation and human interaction from numerous perspectives.

Note: Offered jointly with the Business School as 4001/4002.

Business Studies 2000cd. Management and Markets: Organizational Economics and Finance

Catalog Number: 5800 Enrollment: Limited to 36.

George P. Baker (Business School) and members of the HBS faculty

Half course (spring term). M., W., F., 12:30–2. EXAM GROUP: 5, 6

Examines the foundations of corporate strategy and organizational design as informed by industrial and organizational economies. In the second part, we will look at the functioning of modern capital markets, and the interactions of firms within this market.

Note: Jointly offered with the Business School as 4003/4004.

Business Studies 2110. The Foundations of Strategy

Catalog Number: 2784 Enrollment: Limited to 36.

Ramon Casadesus-Masanell (Business School) and Giovanni Gavetti (Business School)

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

This course will focus on the application of contemporary thinking about microeconomics and, particularly, industrial organization, to business strategy. The perspective taken, however, will emphasize issues associated with business administration and research in that area.

Note: Offered jointly with the Business School as 4110.

Prerequisite: Economics 2010a, or the equivalent.

Business Studies 2120. Game Theory

Catalog Number: 8305 Enrollment: Limited to 36.

Ramon Casadesus-Masanell (Business School) and Kenneth S. Corts (Business School)

Half course (spring term). W., F., 3–4:30. EXAM GROUP: 8, 9

This course is a broad coverage of game theory, including: non-cooperative and cooperative games; rationality and irrationality; first- and second-mover advantages; measures of bargaining power; conditions for efficiency and inefficiency in bargaining games; and links between games. The course will emphasize applications to business-strategy concepts, such as positioning, judo, bundling, and innovation.

Note: Offered jointly with the Business School as 4120. Open to advanced undergraduates with permission of instructor.

[Business Studies 2130. Institutional Foundations of Capitalism]

Catalog Number: 3619 Enrollment: Limited to 36.



David Abraham Moss (Business School) and I J Alexander Dyck (Business School)

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

Examines the institutional foundations of a market economy and explores new approaches to institutional research. This year we will focus on institutions of corporate governance and risk management.

Note: Expected to be given in 2003–04. Scholars will deliver papers in a conventional seminar format and then meet exclusively with students for an hour. Offered jointly with the Business School as 4130.

Business Studies 2140. Information and Network Economics

Catalog Number: 1350

Charles King (Business School)

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

Designed as an introduction to the economics of information and networks supplemented by how firms design information products and how organizations distribute and generate information.

Note: Offered jointly with the Business School as 4140.

Prerequisite: Economics 2010, 2020 or the equivalent; can be taken concurrently. Knowledge of multivariate calculus and basic principles of computer science.

[Business Studies 2310. Policy and Management: Theory and Application]

Catalog Number: 9281 Enrollment: Limited to 36.

Joseph L. Bower (Business School)

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

The readings in this new course cover related literatures of policy formulation and implementation, organization development and learning, and governance, in the context of rapidly evolving fields such as the management of innovation and application of modern information technology. Wherever possible, the perspective will be comparative. Building on classics in the field, the course will deal with contemporary topics such as rapid growth, knowledge sharing and virtual organizations. The readings are complemented by case studies so that classes will deal with theory and application.

Note: Expected to be given in 2003–04. Offered jointly with the Business School as 4310.

Business Studies 2540. The Management of Technological Innovation

Catalog Number: 8573 Enrollment: Limited to 36.

Lee Fleming (Business School)

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

This course explores a range of topics and themes associated with technological innovation. It is designed to provide doctoral students with a relatively comprehensive overview of the important streams of literature in the innovation field.

Note: Offered jointly with the Business School as 4540.

Business Studies 2630. Consumer Behavior

Catalog Number: 5513 Enrollment: Limited to 36.

John Timothy Gourville (Business School)

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

This course will provide a research overview of the field of consumer behavior and consumer



decision making. Drawing principally from research papers from the fields of economics, psychology, and sociology.

Note: Offered jointly with the Business School as 4630.

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

Business History, Economic Theory, and Biography cut across disciplines, and the central question is this: does a theorist's biography tell us anything about the theory itself? Theorists include Keynes, Schumpeter, Ronald Coase, and more recent Nobel Laureates.

Note: Offered jointly with the Business School as 4810. Both HBS faculty and professors from other universities will present panels and papers on this theme.

Graduate Courses of Reading and Research

***Business Studies 3000. Direction of Doctoral Dissertations**

Catalog Number: 6863

George P. Baker (Business School) 3834, Richard E. Caves 1414, Jerry R. Green 1539 (fall term only), Paul Murray Healy (Business School) 3838, and Marco Iansiti (Business School) 4272 (spring term only)

Note: Offered jointly with the Business School as 4910.

Cross-listed Courses

***Economics 2020a. Microeconomic Theory I**

***Economics 2020b. Microeconomic Theory II**

Economics 2040. Experimental Economics

Economics 2056. Market Design

Economics 2727 (formerly Economics 2427). Topics in Empirical Corporate Finance

Economics 2730 (formerly Economics 2430). Asset Pricing II

***Psychology 2100. Research Methodology**

***Psychology 2650. Behavioral Approaches to Decision Making and Negotiation**

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)

Barbara L. Hillers, Assistant Professor of Celtic Languages and Literatures

Joep Leerssen, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders
(spring term only)

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (Director of Graduate
Studies)

Other Faculty Offering Instruction in the Department of Celtic Languages and Literatures

Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

Primarily for Undergraduates

***Celtic 91r. Supervised Reading and Research**

Catalog Number: 1323

Patrick K. Ford and members of the Department

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

Instruction and direction of reading on topics not treated in regular courses of instruction.

For Undergraduates and Graduates

[Celtic 106. Folklore of Ireland]

Catalog Number: 3966

Barbara L. Hillers

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

An introduction to the oral literature of Ireland. We will read folk- and hero-tales, work-songs and love-songs, fairy legends, charms and prayers—placing them within the context of daily life, belief, and performance. Themes will include: understanding oral literature; the relationship of “art” and function; and women’s folklore.

Note: Expected to be given in 2004–05. Knowledge of Irish helpful but not required; all texts will be read in English translation.

[Celtic 107. Early Irish History]

Catalog Number: 7976

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

An introduction to the sources for the history of Ireland before 1167 A.D. Through native annals, regnal lists, genealogies, laws, martyrologies, related literary and hagiographic works, pseudo-historical documents, and archaeological evidence, this course will examine the major social, political, military, religious, and cultural developments from roughly the third century A.D. to the eve of the Norman Invasion.



Note: Expected to be given in 2003–04. No knowledge of Irish required; all texts will be read in English translation.

[Celtic 113. Gaelic Women's Poetry]

Catalog Number: 7517

Barbara L. Hillers

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

This course explores the ways gender, genre, and tradition intersect in Gaelic poetry from the Middle Ages to today. After an excursion into (1) early medieval literature, we will focus on (2) the work of women aristocrats, (3) female genres of traditional folk song, and (4) contemporary poetry.

Note: Expected to be given in 2003–04. This course will be of particular interest to students with a background in Irish or Scottish Gaelic, but no knowledge of either language is necessary. All texts will be read in English translation.

[Celtic 114. Early Irish Historical Tales]

Catalog Number: 0781

Tomás Ó Cathasaigh

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

Introduction to early Irish story-material about legendary and historical persons and events. Attitudes to kingship and views of history in the tales will be explored.

Note: Expected to be given in 2003–04. All texts will be read in English translation.

[Celtic 124. Modern Irish Literature]

Catalog Number: 7084

Barbara L. Hillers

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

A survey of 20th-century prose and poetry in Irish, from its partisan beginnings to the work of acclaimed contemporary authors. We will investigate a range of prose genres, focusing especially on the short story, and trace the development of poetry from the '50s to today.

Note: Expected to be given in 2004–05. Knowledge of Irish helpful, but not required. All texts will be read in English translation.

[Celtic 128. Introduction to Modern Welsh]

Catalog Number: 4148

Patrick K. Ford and others

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

Basic grammar, translation of simple contemporary Welsh writings, and practice of pronunciation and conversation.

Note: Expected to be given in 2003–04. It is suggested that this course be followed by Celtic 129r.

[Celtic 129r. Intermediate Modern Welsh]

Catalog Number: 4694

Patrick K. Ford and others

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



Further grammatical study, with continued pronunciation and conversation, and readings in contemporary Welsh literature.

Note: Expected to be given in 2003–04.

Prerequisite: Celtic 128 or permission of instructor.

[*Celtic 130. Introduction to Scottish Gaelic]

Catalog Number: 1846 Enrollment: Limited to 15.

Barbara L. Hillers and others

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

An introduction to the spoken and written language.

Note: Expected to be given in 2003–04. It is suggested that this course be followed by Celtic 131.

[*Celtic 131. Intermediate Scottish Gaelic]

Catalog Number: 4542 Enrollment: Limited to 15.

Barbara L. Hillers and others

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

A continuation of the fall term course.

Note: Expected to be given in 2003–04.

Prerequisite: Celtic 130 or equivalent.

***Celtic 132. Introduction to Modern Irish**

Catalog Number: 6725 Enrollment: Limited to 15.

Barbara L. Hillers

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

Introduction to speaking, reading, and writing Modern Irish. The class aims to build up students' confidence in using the language as a medium of communication.

Note: It is suggested that this course be followed by Celtic 133r.

***Celtic 133r. Intermediate Modern Irish**

Catalog Number: 6689 Enrollment: Limited to 15.

Barbara L. Hillers

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

Development of oral competence and writing skills; an exploration of the oral and literary tradition.

Prerequisite: Celtic 132 or permission of instructor.

[Celtic 138r. The Mabinogi]

Catalog Number: 6480

Patrick K. Ford

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

A study of the prose and literature of medieval Wales, focusing on the Four Branches, the early Arthurian tales and associated works. The class will consider the texts as folklore, as myth, and as literature, especially addressing the ways in which assumptions about genre affect the reading produced. Supplemental readings will address theoretical approaches to myth, folklore, and literature.



Note: Expected to be given in 2003–04. Knowledge of Welsh helpful but not required; all texts will be read in English translation.

[Celtic 150. Celtic Paganism]

Catalog Number: 6589

Patrick K. Ford

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

A survey of the evidence relating to the beliefs, gods, cults, and druidic priest class of the pagan Celts, both continental and insular. Materials studied include the commentaries of Greek and Roman ethnographers, the archaeological record, and in particular the writings of the early Irish and Welsh themselves.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3686. All texts will be read in English translation.

[Celtic 160. Advanced Modern Irish]

Catalog Number: 0704

Barbara L. Hillers

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

Reading, listening, and speaking, with grammatical study, geared to the interests and aptitudes of the participants.

Note: Expected to be given in 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

Barbara L. Hillers

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

Intensive study of selected topics in Modern Irish.

Note: Expected to be given in 2004–05.

Prerequisite: Celtic 160 or permission of instructor.

Celtic 175. The Contention of the Bards

Catalog Number: 2098

Joep Leerssen

Half course (spring term). M., W., (F.), at 4. EXAM GROUP: 9

A close reading and contextualization of a crucial episode on 17th-century Irish-Gaelic literature, focusing on bardic convention, political crisis, and the tension between the two.

Note: Expected to be omitted in 2003–04. Graduate participants are to write an additional essay. Texts will be read in English translation.

Celtic 177. Language, Historical Consciousness, and Nation-formation: Holland and Flanders between 1760 and 1830

Catalog Number: 6948

Joep Leerssen

Half course (spring term). M., W., (F.), at 3. EXAM GROUP: 8



Why did Holland and Flanders, despite a common language, develop different and incompatible modes of nation-formation? This course will take a comparative look at the different forms of cultural nationalism that developed in the Low Countries around the beginning of the seventeenth century, focusing on the incompatible ancestry-myths of “Belgae” vs. “Batavi”.

Note: Expected to be omitted in 2003–04. Course taught for the Erasmus Lecturership in Netherlandic Studies; primarily aimed at, and recommended to, students in Germanic Languages/Literatures, History, and European Studies. If an adequate number of students from Celtic comes forth, an ancillary (non-credit!) workgroup may be held to explore parallels with the development of Irish nationalism.

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 omitted in 2003–04. 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 omitted in 2003–04. The text will be read in English translation.

Cross-listed Courses

Linguistics 158r. From Indo-European to Old Irish

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

[Literature and Arts C-20. The Hero of Irish Myth and Saga]

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

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]

[*Scandinavian 200a. Introduction to Old Norse]

[Scandinavian 200br. Old Norse Literature: Edda and Saga]

Primarily for Graduates

[Celtic 200. Introduction to Old Irish]

Catalog Number: 8266

Tomás Ó Cathasaigh

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

An introduction to the language of the 8th and 9th centuries, with elementary readings in prose texts.

Note: Expected to be given in 2003–04. 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 given in 2003–04.

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 2004–05.

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 *Early Irish Lyrics*.

Note: Expected to be omitted in 2003–04.

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

A reading of *Bethu Brigte*.

Note: Expected to be omitted in 2003–04.

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 will be considered in translation, and the literature will be taken into account.

Note: Expected to be omitted in 2003–04.

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 omitted in 2003–04.

Prerequisite: A knowledge of either Irish or Latin.

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 omitted in 2003–04. 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 omitted in 2003–04.

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 given in 2003–04.

Prerequisite: Celtic 225b or permission of the instructor.

[Celtic 227. Welsh Bardic Poetry: Seminar]

Catalog Number: 2580

Patrick K. Ford

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

Selected readings from the Poets of the Princes, with special attention to the historical development of the genre, the social organization of poets, and the bardic grammars.

Note: Expected to be given in 2003–04.

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 given in 2003–04.

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, Barbara L. Hillers 3342, Joep Leerssen 4378 (spring term only), Tomás Ó Cathasaigh 1224, and Calvert Watkins 2553

***Celtic 305. Preparation of Doctoral Dissertation**

Catalog Number: 0375

Patrick K. Ford 2921, Barbara L. Hillers 3342, Tomás Ó Cathasaigh 1224, and Calvert Watkins 2553

Chemical Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Degree of Doctor of Philosophy in Chemical Physics

Eric J. Heller, Professor of Chemistry and Physics, Arthur and Ruth W. Sloan Research Professor of Chemistry, Arthur and Ruth W Sloan Research Professor of Chemistry (*Chair*) (*on leave fall term*)

John M. Doyle, Professor of Physics

Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry

David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics

David R. Reichman, Associate Professor of Chemistry and Chemical Biology

Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology

Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology

Xiaowei Zhuang, Assistant Professor of Chemistry and Chemical Biology and of Physics

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, Arthur and Ruth W. Sloan Research Professor of Chemistry, Arthur and Ruth W Sloan Research Professor of Chemistry (*on leave spring term*)

Eric Mazur, Harvard College Professor, Gordon McKay Professor of Applied Physics and Professor of Physics

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences

Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of



Applied Physics

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 (*on leave 2002-03*)

Bretislav Friedrich, Lecturer on Chemistry and Chemical Biology

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

Eric J. Heller, Professor of Chemistry and Physics, Arthur and Ruth W. Sloan Research

Professor of Chemistry, Arthur and Ruth W Sloan Research Professor of Chemistry (*on leave fall term*)

Richard H. Holm, Higgins Professor of Chemistry (*on leave fall term*)

Eric N. Jacobsen, Harvard College Professor and the Sheldon Emery Professor of Chemistry (*Director of Undergraduate Studies*)

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

Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry, Arthur and Ruth W. Sloan Research Professor of Chemistry, Arthur and Ruth W Sloan Research Professor of Chemistry (*on leave spring term*)

David R. Liu, Associate Professor of Chemistry and Chemical Biology

Gavin MacBeath, Assistant Professor of Chemistry and Chemical Biology

Andrew G. Myers, Professor of Chemistry and Chemical Biology (*Director of Graduate Studies*)

Hongkun Park, Assistant Professor of Chemistry and Chemical Biology, Associate Professor of

**Chemistry and Chemical Biology**

Garry Procter, Lecturer on Chemistry and Chemical Biology

David R. Reichman, Associate Professor of Chemistry and Chemical Biology

Matthew D. Shair, Professor of Chemistry and Chemical Biology

Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology

Richard J. Staples, Lecturer on Chemistry and Chemical Biology

Gregory L. Verdine, Harvard College Professor and Erving Professor of Chemistry (*on leave spring term*)

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 BiologyDonna G. Blackmond, Visiting Professor of Chemistry and Chemical Biology (*University of Hull, UK*)

Dudley R. Herschbach, Frank B. Baird, Jr. Professor of Science, Emeritus

Martin Karplus, Theodore William Richards Research Professor of Chemistry

Yoshito Kishi, Morris Loeb Research Professor of Chemistry

William Klemperer, Erving Research Professor of Chemistry

Affiliates of the DepartmentStephen C. Harrison, Higgins Professor of Biochemistry (*Medical School*)

David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics

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 Xiaoliang Sunney Xie

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

Introduction to the structure and properties of atoms, molecules, and ions, stoichiometry; thermochemistry; electronic structure of atoms; periodic properties of the elements; chemical bonding; molecular geometry and bonding theories; gases; intermolecular forces, liquids, and solids; properties of solutions.

Note: Chemistry 5–7 is the mainstream general chemistry sequence for students with typical high school chemistry backgrounds (one year) or for students with no previous study of chemistry. Calculus is not necessary for Chemistry 5, but a strong background in high school algebra is essential. Students who lack this algebra background should take Math Ar or Math Xa before attempting Chemistry 5. Students with very strong high school chemistry backgrounds may enroll instead in Chemistry 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

James G. Anderson and 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

Half course (fall term). M., W., F., at 9, 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.

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

Donna G. Blackmond (University of Hull, UK)

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

Garry Procter

Half course (spring term). Lectures, M., W., F., at 9, and a discussion section to be arranged.

EXAM GROUP: 2

An introduction to structure, bonding, and mechanism of organic reactions; chemical transformation of the common functional groups in aliphatic and aromatic compounds; synthesis; determination of structure; infrared and NMR spectroscopy.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. The content of Chemistry 17 is similar to that of Chemistry 20, so students may not count both courses toward the degree. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27



or 20/30 sequence. 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

Sequel to Chemistry 17. 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; Chemistry 30; or Chemistry 20 with permission of the instructor.

Chemistry 30. Organic Chemistry

Catalog Number: 6587

Eric N. Jacobsen

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

Eric J. Heller

Half course (spring term). W., F., 1:30–3. EXAM GROUP: 6, 7

This course is designed to be a compact introduction to major principles of physical chemistry (chemical kinetics, thermodynamics, and statistical mechanics), concurrently providing mathematical and physical foundations for these subjects and mathematical preparation for



Chemistry 160 and 161, or Chemistry 105.

Prerequisite: Chemistry 5, 7 or 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 approval of the instructor to junior chemistry majors who have satisfactorily completed the non-credit *Introduction to Research Tutorial* in the spring term of the sophomore year. In that non-credit spring term tutorial, taught Tu., Th., 1–2:30, students will attend introductory lectures and research seminars in order to acquaint themselves with departmental research programs. In the junior year, students who complete the non-credit tutorial and obtain placement in a research laboratory will undertake research as Chemistry 98r. Written permission of the research adviser must be filed at the office of the 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 \(formerly Biological Sciences 10\). 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 22t. The Unfolding Story of Light**](#)
[**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

Andrew G. Myers

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 117. Diversity-Oriented Synthesis]

Catalog Number: 2774

Matthew D. Shair

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

This course will cover reactions and strategies used in the synthesis of complex molecules. Special emphasis will be placed on reactions and strategies that are useful in diversity-oriented syntheses. Areas covered will include: conformational analysis, important C-C bond forming reactions, asymmetric synthesis, asymmetric catalysis, functional group manipulation, tandem reactions, multicomponent reactions, and strategies for ring formation. The application of diversity-oriented synthesis to the discovery of new reactions, catalysts, and molecules with novel biological properties will also be included.

Note: Expected to be given in 2003–04. Given in alternate years.

**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). Tu., Th., 10–11:30, and a discussion section to be arranged. EXAM GROUP: 12, 13

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.

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). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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: Intended 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). Hours to be arranged.

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: Expected to be given in 2003–04. Given in alternate years.

Prerequisite: Familiarity with atomic structure, basic symmetry principles, linear algebra, and electromagnetic waves.

Chemistry 158. Materials Chemistry

Catalog Number: 7504

Charles M. Lieber and Hongkun Park

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

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: Primarily intended for advanced undergraduates and graduates.

Prerequisite: Chemistry 15 or equivalent.

Chemistry 160. Physical Chemistry

Catalog Number: 3420

Cynthia M. Friend

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

An introduction to modern theories of the structure of matter, including the principles of quantum mechanics, the electronic structure of atoms and molecules, chemical bonding, and atomic and molecular spectra.

Prerequisite: Applied Mathematics 21a and 21b, Mathematics 21a and 21b, or equivalent preparation in calculus and differential equations; one full course in physics (with an honor grade, if in Physics 1); Chemistry 15 or equivalent.

Chemistry 161. Statistical Thermodynamics

Catalog Number: 3575

David R. Reichman

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

An introduction to statistical mechanics, thermodynamics, and chemical kinetics with applications to problems in chemistry.

Prerequisite: Chemistry 160 and Applied Mathematics 21a, or equivalent.

[Chemistry 162. Molecular Spectroscopy]

Catalog Number: 0924

Xiaoliang Sunney Xie

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

Modern molecular spectroscopy applied to the study of the structure and dynamics in gas and condensed phase systems. Topics include electronic, vibrational, rotational and nuclear hyperfine energy levels of polyatomic molecules, their interactions with electromagnetic radiation, selection rules and relaxation processes. The fundamental principles are illustrated by spectroscopic approaches, such as absorption, fluorescence, scattering, magnetic resonance, as well as nonlinear processes and photochemistry.



Note: Expected to be given in 2004–05.

Prerequisite: Chemistry 160 and 161; or Physics 143 and 181; (or equivalent preparation).

Concurrent registration in Chemistry 161 or Physics 181 acceptable.

Chemistry 163. Frontiers in Molecular Biophysics

Catalog Number: 3635

Xiaowei Zhuang

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

The last decade has seen a blooming of the interdisciplinary science between biology and physics/physical chemistry. Studying biological molecules using physical techniques has led to fundamental understandings of how biological systems work. The course will touch on the essence of this newly emerging and exciting area. Emphasis will be put on modern experimental studies on the structure, structural dynamics and function of bio-macromolecules including proteins and nucleic acids.

Note: Intended for advanced undergraduate students and graduate students.

[Chemistry 164r. Molecular Biophysics and Biophysical Chemistry: Theory and Simulations of Macromolecules]

Catalog Number: 5588

Eugene I. Shakhnovich

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

Introduction to the principles of macromolecular structure, folding and dynamics, with emphasis on structure-function relationship. Principles of protein folding and molecular evolution. Molecular dynamics and other simulation approach to protein dynamics, enzymatic function and folding. Empirical and knowledge-based energy functions for structure prediction and design. Examples include: prediction of protein structure using ab initio and bioinformatics approaches, theory of random and designed heteropolymers with application to protein folding and design, molecular recognition, rational drug design.

Note: Expected to be given in 2003–04. It is suggested that students enroll in Biophysics 164 when this course is bracketed. Cannot be taken for credit by students who have completed Biophysics 164r.

Prerequisite: Biological Sciences 11 and one of the following: Chemistry 160, Biochemistry 61, Physics 143, or permission of instructor.

Chemistry 165. Experimental Physical Chemistry

Catalog Number: 0667

Bretislav Friedrich

Half course (spring term). Lectures: F., 1–2:30; laboratories M., or Tu., 1–5. EXAM GROUP: 6, 7

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). Hours to be arranged.

General principles governing surface and interfacial phenomena are developed using treatment of surface electronic and geometric structure as a foundation. The course will treat both theoretical and experimental tools for the investigation of surface structure. Selected spectroscopic techniques will also be treated, with emphasis on surface phenomena. The latter part of the course will develop principles of adsorption, reaction, and growth phenomena illustrated through current literature topics.

Note: Expected to be given in 2003–04. 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

This course explores many of the most interesting recent advances in applying chemical approaches to problems in chemistry and biology. Topics include: protein design and engineering, molecular evolution, DNA damage and repair, novel natural proteins, metabolic engineering, drug action and resistance, rational and combinatorial approaches to drug discovery, chemical genetics, and genomics. Lectures are supplemented with problem sets, discussion sections, and additional readings from the scientific literature.

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). Hours to be arranged.

This course will explore in detail the relationship between the structure and function of biological macromolecules. Emphasis will be placed on the chemical principles governing recognition and catalysis in biological systems, using examples drawn from the scientific literature. Topics will include conformational analysis of nucleic acids and proteins, binding of biological macromolecules to each other and small molecules, and the molecular basis for catalysis. Areas of biologic emphasis will include gene regulation, signal transduction and chemical genetics.

Note: Expected to be given in 2003–04.

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

Matthew D. Shair

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

An in-depth discussion of the important classes of organic reactions will be provided. The discussion will include an introduction to FMO theory, stereoelectronic effects, and conformational analysis. Problem sets and exams will stress electron pushing.

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 2003–04. 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.

[Chemistry 243. Quantum Mechanics II]

Catalog Number: 0566

Hongkun Park

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

Time-dependent perturbation theory, Matter-photon interaction and spectroscopy, Scattering theory and its application, Electronic motion in low-dimensional structures, Electron-electron interaction.

Note: Expected to be given in 2003–04. Given in alternate years.

Prerequisite: Chemistry 242.

[Chemistry 244. Quantum Chemistry]

Catalog Number: 8295

Roy G. Gordon



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

Quantum mechanics applied to molecules and solids. Hartree-Fock, configuration-interaction, perturbation, coupled cluster, density functional, Monte-Carlo and semi-empirical theories. Use of computer programs for these methods.

Note: Expected to be given in 2003–04.

Prerequisite: Chemistry 242.

[Chemistry 245. Single-molecule Biophysics]

Catalog Number: 0944

Xiaoliang Sunney Xie

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

The emerging single-molecule methodology of biophysics, including the principles of single-molecule studies and the experimental approaches. Applications to various biological problems will be discussed.

Note: Expected to be given in 2003–04.

Prerequisite: Introductory level biochemistry and physical chemistry including quantum mechanics and statistical mechanics; or permission of instructor.

Cross-listed Courses

[Applied Physics 291. Electron Microscopy Laboratory](#)

[Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics](#)

[Earth and Planetary Sciences 202. Introduction to the Dynamics of Atmospheres and Oceans]

[Engineering Sciences 268. Environmental Chemical Kinetics](#)

[Physics 218. Modern Dynamical Systems](#)

Graduate Courses of Reading and Research

A student intending to elect one of the following research courses should consult the instructor as far in advance as possible.

***Chemistry 300. 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 (on leave 2002-03)

***Chemistry 304. Theoretical Atomic, Molecular, and Chemical Physics**

Catalog Number: 0532

Eric J. Heller 1074 (on leave fall term)

***Chemistry 311. Physical Chemistry**

Catalog Number: 2640

Charles M. Lieber 3102 (on leave spring term)

***Chemistry 313. Organic Chemistry**

Catalog Number: 0183

Yoshito Kishi 3852

***Chemistry 315. Photochemistry and Kinetics**

Catalog Number: 5964

James G. Anderson 6057

***Chemistry 318. Organic Chemistry**

Catalog Number: 4295

George M. Whitesides 7447

***Chemistry 323. Organic Chemistry**

Catalog Number: 2477

Stuart L. Schreiber 2166

***Chemistry 325. Physical Chemistry**

Catalog Number: 8530

Cynthia M. Friend 7446 (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 (on leave spring term)

***Chemistry 336. Physical and Inorganic Chemistry and Materials Science**

Catalog Number: 5266

Roy G. Gordon 1353



***Chemistry 350. Theoretical Physical Chemistry**

Catalog Number: 8285

Eugene I. Shakhnovich 3147

***Chemistry 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*)
William R. Allan, Assistant Professor of the Classics
A. Thomas Cole, Visiting Professor of the Classics (*Yale University*) (*spring term only*)
Kathleen M. Coleman, Professor of Latin (*Director of Graduate Studies*)
John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature, Associate of Eliot House, Chair, Senior Fellows Committee, Byzantine Studies (*on leave 2002-03*)
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
Nino Luraghi, Assistant Professor of the Classics (*on leave 2002-03*)
David Gordon Mitten, James Loeb Professor of Classical Art and Archaeology
Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature (*Director of the Harvard Center for Hellenic Studies*)
Gloria Ferrari Pinney, Professor of Classical Archaeology and Art
Michael J. Roberts, Visiting Professor of Latin (*spring term only*)
Betsey A. Robinson, Assistant Professor of the Classics and of History of Art and Architecture
Eric W. Robinson, Associate Professor of the Classics and of History
Panagiotis Roilos, Assistant Professor of Modern Greek
Andreola Rossi, Assistant Professor of the Classics (*on leave fall term*)
Mark Schiefsky, Assistant Professor of the Classics (*Director of Undergraduate Studies*) (*on leave 2003-04*)
Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics
R. J. Tarrant, Harvard College Professor and Pope Professor of the Latin Language and Literature
Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin (*on leave fall term*)

Other Faculty Offering Instruction in the Department of the Classics

Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
John T. Hamilton, Assistant Professor of Comparative Literature and Literature
Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave fall term*)
John E. Murdoch, Professor of the History of Science
Rabun Taylor, Assistant Professor of History of Art and Architecture
Raphael Graham Woolf, Assistant Professor of Philosophy (*on leave 2002-03*)

Information about requirements for undergraduate and graduate degrees, honors, prizes, and scholarships may be obtained at the office of the Department, Boylston Hall 204. Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads or the



department's website (www.fas.harvard.edu/~classics) to determine if a course is offered on that basis.

Classics

Primarily for Undergraduates

***Classics 93r. Advanced Tutorial for Credit**

Catalog Number: 0511

Mark Schiefsky and assistants

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

Tutorial instruction for course credit open to candidates for honors who are qualified to do special reading projects in Greek and/or Latin.

Note: May be counted for concentration.

***Classics 97a. Tutorial—Sophomore Year**

Catalog Number: 3965

Eric W. Robinson

Half course (fall term). Tu., Th., at 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

Andreola Rossi

Half course (spring term). Tu., Th., at 12.

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

Mark Schiefsky and assistants

Half course (fall term; repeated spring term). Fall: Tu., 1–4. Spring: Th., 1–4.

Tutorial instruction for course credit (in addition to ordinary tutorial instruction) is open to concentrators in their junior year whose applications for such instruction have been approved by the Director of Undergraduate Studies.

Note: May be counted for concentration.

***Classics 99. Tutorial — Senior Year**

Catalog Number: 2350

Mark Schiefsky and assistants

Full course. Hours to be arranged.

Tutorial instruction for course credit (in addition to ordinary tutorial instruction) is open only to candidates for honors writing a thesis in their senior year whose applications for such instruction



have been approved by the Director of Undergraduate Studies.

Note: May be counted for concentration. Divisible only with permission of the Director of Undergraduate Studies.

Cross-listed Courses

[Celtic 205r. Readings in Early Irish Prose](#)

[Comparative Literature 145. Dreams and Literature](#)

[Comparative Literature 268. Germany and the Greeks: Philhellenism from Winckelmann to George \(1755-1914\).](#)

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

[*Freshman Seminar 32t. Poetic Translation](#)

[*Freshman Seminar 33z. Greek Vase Painting](#)

[Historical Study B-04. Ancient Greek Democracy](#)

[Historical Study B-06. The Roman Games](#)

[Historical Study B-09. The Christian Revolution](#)

[*History 90i \(formerly History 90x\). 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 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](#)

[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. The Concept 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]

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar](#)

For Undergraduates and Graduates

[Classics 140. The Fall of the Roman Republic](#)

Catalog Number: 9989

Eric W. Robinson

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

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.

[Classics 168. Neronian Literature and Culture](#)

Catalog Number: 9478



James Ker

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

What characterizes the Neronian renaissance, the first major flourishing of the arts since the age of Augustus? And how did this age take on mythical proportions within Roman political history? We look at Nero's Rome through a reading of its literature (esp. Lucan, Seneca, Petronius), its material culture (e.g. the Golden House), the representation of its major episodes and personalities by historical writers (esp. Tacitus, Suetonius, Dio), and its modern reception (e.g. Fellini's *Satyricon*).

Classics 170. Ancient Historiography

Catalog Number: 9705

A. Thomas Cole (Yale University)

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Antiquity's cultural, political and literary wars as reflected and waged in the historical narratives of Herodotus, Thucydides, Polybius, Livy, Tacitus, and Suetonius.

Classics 190. Approaches to Classical and Indo-European Poetics

Catalog Number: 0712

Calvert Watkins

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

Basic principles of poetics, and of linguistic approaches to archaic forms of literature in early Indo-European societies. Close readings of selected texts in Greek, Latin, and other languages.

Note: Open without prerequisite to students of the Classics, and also to students of other ancient or medieval Indo-European languages.

200-Level Seminars

Classics 250. Roman Epitaph

Catalog Number: 8917

Kathleen M. Coleman

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

This seminar examines the conventions of the inscribed epitaph in the Roman world in its physical and social setting, and in its relationship with other forms of commemoration, including funerary elogia and the literary obituary.

Classics 263. Homer

Catalog Number: 8655

Gregory Nagy

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

A survey of the mechanics as well as the esthetics of Homeric poetry. Critical reassessments of the textual tradition, the reception, and the oral traditional poetic background. Close scrutiny of selected passages.

Classics 268. Aristotle and His Predecessors: Physics book I

Catalog Number: 9893

Gisela Striker and Mark Schiefsky



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

A study of Aristotle's search for basic principles of the philosophy of nature in *Physics I*, with particular attention to his treatment of earlier (mainly Presocratic) thinkers.

Classics 270. Horace, Odes

Catalog Number: 4724

Richard F. Thomas

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

Consideration and discussion of Horace's Odes, their relationship to Greek lyric and other genres (Greek and Roman), their aesthetic and ideological status in relation to the rest of Horace's corpus, and in the context of Augustan Rome.

Classics 272. Late Euripides

Catalog Number: 9640

William R. Allan

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

Taking *Helen* (412 BC) as our core text, the seminar will study Euripidean tragedy from *Iphigenia in Tauris* onwards (c. 414 BC), focusing in particular on the poet's willingness to experiment with, and so crucially change, a living and complex genre.

Graduate Courses of Reading and Research

***Classics 300. Direction of Doctoral Dissertations**

Catalog Number: 4543

Richard F. Thomas 1630 (on leave fall term), Kathleen M. Coleman 2289, John Duffy 1352 (on leave 2002-03), Albert Henrichs 4085, Christopher P. Jones 3204, James Ker 4379, Nino Luraghi 2408 (on leave 2002-03), David Gordon Mitten 1290, Gregory Nagy 1423, Gloria Ferrari Pinney 1384, Betsey A. Robinson 4361, Eric W. Robinson 2724, Panagiotis Roilos 1982, Andreola Rossi 3381 (on leave fall term), Mark Schiefsky 2354 (on leave 2003-04), Gisela Striker 2271, R. J. Tarrant 7503, Calvert Watkins 2553, and Jan Ziolkowski 7275 (on leave fall term)

***Classics 301. Reading or Topics Course**

Catalog Number: 3457

Richard F. Thomas 1630 (on leave fall term), William R. Allan 3972 (spring term only), Kathleen M. Coleman 2289, John Duffy 1352 (on leave 2002-03), Albert Henrichs 4085, Christopher P. Jones 3204, James Ker 4379, Nino Luraghi 2408 (on leave 2002-03), David Gordon Mitten 1290, Gregory Nagy 1423, Gloria Ferrari Pinney 1384, Betsey A. Robinson 4361, Eric W. Robinson 2724, Panagiotis Roilos 1982, Andreola Rossi 3381 (on leave fall term), Mark Schiefsky 2354 (on leave 2003-04), Gisela Striker 2271, R. J. Tarrant 7503, Calvert Watkins 2553, and Jan Ziolkowski 7275 (on leave fall term)

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), Kathleen M. Coleman 2289, John Duffy 1352 (on



leave 2002-03), Albert Henrichs 4085, Christopher P. Jones 3204, James Ker 4379, Nino Luraghi 2408 (on leave 2002-03), David Gordon Mitten 1290, Gregory Nagy 1423, Gloria Ferrari Pinney 1384, Betsey A. Robinson 4361 (spring term only), Eric W. Robinson 2724, Panagiotis Roilos 1982, Andreola Rossi 3381 (on leave fall term), Mark Schiefsky 2354 (on leave 2003-04), Gisela Striker 2271, R. J. Tarrant 7503, Calvert Watkins 2553, and Jan Ziolkowski 7275 (on leave fall term)

***Classics 350. Classical Philology: Proseminar**

Catalog Number: 4026

Kathleen M. Coleman 2289

Half course (fall term). M., 1–3.

Designed to introduce graduate students in Classical Philology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the Ph.D. in Classical Philology. Open to other students by permission of instructor.

Cross-listed Courses

[*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar](#)

Greek

Students who have studied classical Greek previously should register at the Department of the Classics, Boylston Hall 204, to take the Harvard placement test in Greek during Freshman Week. Further information on placement in Greek and on the language requirement is available from the Director of Undergraduate Studies (Boylston Hall 231).

Primarily for Undergraduates

[Greek A. Beginning Greek](#)

Catalog Number: 0129

Mark Schiefsky and assistants

Half course (fall term). Section I and II: M., W., Th., F., at 9; and Section III: M., W., Th., F., at 11. EXAM GROUP: 2, 11

Elements of the Greek language and introductory readings.

[Greek Aab. Beginning Greek \(Intensive\)](#)

Catalog Number: 0714

Andreola Rossi and assistants

Full course (spring term). M., through F., at 9; M., at 1. EXAM GROUP: 2, 11

For students with little or no previous instruction in Greek who are seriously interested in making 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

Andreola Rossi and assistants

Half course (spring term). Section I: M., W., Th., F., at 9; Section II: M., W., Th., F., at 11.

EXAM GROUP: 2, 11

Continuation of Greek A. Extensive reading in Attic prose.

Prerequisite: Greek A or equivalent.

Greek 3. Introduction to Attic Prose

Catalog Number: 4696

Mark Schiefsky and assistant

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

Selections from several authors, mainly of narrative and dialogue, to be read both as an introduction to the variety of Greek styles and for practice in translation and review of grammar.

Prerequisite: Greek B or equivalent.

Greek 4. Selections from Homer's Iliad

Catalog Number: 3361

Andreola Rossi and assistant

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

William R. Allan

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

Gregory Nagy

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

A study of Greek prose style. Written compositions in various styles, chiefly those of Lysias, Plato, and Demosthenes, with selected readings representing the development of classical prose and the modern analysis of Greek prose style.

Prerequisite: Greek H or equivalent.

[Greek 104. Herodotus]

Catalog Number: 6340

Albert Henrichs

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



An introduction to Herodotus' dialect and style, concept of history, authorial voice and narrative strategies, and his representation of non-Greek cultures. Selections in Greek from Books I-IV and VII-VIII; the entire *Histories* read in English.

Note: Expected to be given in 2003–04.

Greek 106. Greek Tragedy

Catalog Number: 6274

Albert Henrichs

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

Introduction to Attic tragedy, with attention to dramatic character, divine agency, and the role of the chorus. Reading of Sophokles' *Antigone* and Euripides' *Bakkhai*.

Greek 108. Greek Oratory and Rhetoric

Catalog Number: 9592

A. Thomas Cole (Yale University)

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

A study, through selected readings in Attic prose writers from Gorgias to Demosthenes, of the beginnings and early development of practical, literary and philosophical rhetoric.

Greek 110r. Plato

Catalog Number: 6229

Gisela Striker

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

A close reading of two Platonic dialogues: *Alcibiades Maior* and *Phaedo*. Both are available in annotated editions in the Cambridge Greek and Latin Classics series.

Greek 112a. History of Greek Literature I

Catalog Number: 3052

William R. Allan

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

This course has two (interdependent) aims: the first is to present the literature of Archaic and early Classical Greece (from Homer to Aeschylus) in its social and poetic context; the second is to encourage a careful reading of the texts with particular attention to issues of genre, narrative, performance, imagery, and myth.

Greek 112b. History of Greek Literature II

Catalog Number: 6889

Albert Henrichs

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

The 5th century and beyond: Sophokles, Euripides, historiography, comedy, philosophy oratory, and Hellenistic poetry.

Greek 116r. Greek Lyric Poetry

Catalog Number: 4575



William R. Allan

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

Study of the major Greek lyric, elegiac, and iambic poets from the seventh to the fifth century BC, including Pindar and Bacchylides, with particular attention to the socio-political and literary-performative contexts of their work.

[Greek 134. The Language of Homer]

Catalog Number: 5139

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

Essentials of Greek comparative and historical grammar, and a close reading of *Iliad* 1 and 3.

Diachronic aspects of Homeric grammar and diction.

Note: Expected to be given in 2003–04.

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 231), or the Freshman Dean's Office.

Primarily for Undergraduates

Latin A. Beginning Latin

Catalog Number: 4759

Mark Schiefsky and assistants

Half course (fall term). Section I: M., W., Th., F., at 9; Section II: M., W., Th., F., at 11. EXAM GROUP: 2, 11

Intended for students who wish to learn, or reacquaint themselves with, the basic elements of the Latin language. Reading of sentences and very brief passages from Latin authors.

Latin Aab. Beginning Latin (Intensive)

Catalog Number: 7111

Andreola Rossi (spring term), Mark Schiefsky (fall term) 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

Andreola Rossi and assistants

Half course (spring term). Section I: M., W., Th., F., at 9; Section II, M., W., Th., F., at 11.

EXAM GROUP: 10

Continuation of Latin A. Completion of basic grammar and introduction to reading of connected texts.

Latin 3. Latin Prose Selections (Classical)

Catalog Number: 2344

Mark Schiefsky and assistant

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

This course is a bridge between the study of Latin grammar and the reading of prose authors. The readings are short selections from a variety of genres by authors such as Cicero, Pliny, Nepos, Sallust, and Petronius.

Note: Latin 3 and Latin 3m are intended to be equivalent in difficulty and to require identical background (Latin A and B or the equivalent). Students may take either 3 or 3m for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Latin 3m. Latin Prose Selections (Medieval)

Catalog Number: 7123

Mark Schiefsky 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

Andreola Rossi and assistant

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

Selections mainly from Ovid and Virgil.

For Undergraduates and Graduates

Latin H. Introductory Latin Prose Composition

Catalog Number: 3814



R. J. Tarrant and assistant

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Practice in the translation of sentences and connected prose passages into Latin. Study of idiom and practice in translation for those who wish to acquire an accurate knowledge of Latin expression and construction.

Prerequisite: Latin 3 or equivalent.

Latin K. Advanced Latin Prose Composition

Catalog Number: 5018

James Ker

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

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 103. Latin Elegy

Catalog Number: 5435

R. J. Tarrant

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

Selections from Propertius, Tibullus, and Ovid's *Amores*.

Latin 107. Lucretius: On the Nature of Things

Catalog Number: 4960

Mark Schiefsky

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Reading of selections from the *De rerum natura* with attention to Epicurean philosophy.

Latin 112a. History of Latin Literature I

Catalog Number: 7099

Andreola Rossi

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

The literature of the Republic and early Augustan period. Reading of extensive selections from the major authors, with lectures and discussion on the evolution and development of Latin prose and poetry. The course focuses on a variety of issues: Latin individuality through manipulation of inherited Greek forms, metrical and stylistic developments, evolving poetics, intertextuality and genre renewal, dynamic effects of social and political contexts.

Latin 112b. History of Latin Literature II

Catalog Number: 7643

James Ker

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

The literature of the Empire. Reading of selections from major authors, with a focus on the



changing traditions of Latin poetry and prose. Areas of special concern will include style, genre, theories of literature, conditions of production, performance, social function, ideology, and reception.

Latin 114. Horace and Seneca, Epistles

Catalog Number: 5972

James Ker

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

What is the value of epistolary writing in the making of a public and private self in Roman society? This question provides a focus for reading, discussing, and comparing large selections from Horace's *Epistulae* and Seneca's *Epistulae Morales*.

Latin 116. Roman Historiography

Catalog Number: 1398

Andreola Rossi

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

The tradition of ancient historiography in ancient Rome. Its origins, its literary models and the development of the genre from the Republic to the imperial period. Authors will include Cato, Caesar, Sallust, Livy and Tacitus.

Latin 118. Late Latin Poetry and Poetics

Catalog Number: 9827

Michael J. Roberts

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

In this course we will read selections from the Latin poets of the fourth to sixth centuries (Ausonius to Venantius Fortunatus), including Christian and non-Christian poetry and works on secular and religious subjects. The poems raise interesting critical challenges for the classically trained reader. Among other topics we will examine the treatment of narrative and description, the relationship between poetry, status, and social order, and the emergence of a Christian conception of poetry.

Latin 121. Petronius and Apuleius

Catalog Number: 5720

Christopher P. Jones

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

Readings from Petronius' *Dinner with Trimalchio* and Apuleius' *Cupid and Psyche*, with attention to the language and style of the two authors, and their role in the history of the ancient novel.

Latin 122. Horace Odes and Epodes

Catalog Number: 2163

Michael J. Roberts

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

Horace's use of these traditional poetic forms for political, personal, and literary expression.



Latin 134. Archaic Latin

Catalog Number: 1327

Calvert Watkins

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

Essentials of Latin comparative and historical grammar, with readings of early Latin inscriptions, legal texts, and selections from Livius Andronicus, Plautus, Ennius, and Cato.

Primarily for Graduates

Latin 201. Reading Latin

Catalog Number: 7642

Richard F. Thomas

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

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

Panagiotis Roilos

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

Introduces the student to medieval Greek language and literature and, through selected readings, to important elements of Byzantine culture and society. Texts chosen from different genres and periods to reflect the great diversity of Byzantine life and letters. Types of literature will include: devotional reading, biographies, chronicles, sacred and secular poetry, letters, ecphraseis, scholarly writings, and histories. Choice of readings will correspond in part to the specific interests and needs of the participants.

Prerequisite: Greek A and B or equivalent.

[Medieval Greek 120. Readings in the Cappadocian Fathers]

Catalog Number: 3786

John Duffy

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

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.

Note: Expected to be given in 2003–04.

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). Hours to be arranged.



A practical introduction to the world of 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 will be explored.

Note: Expected to be given in 2003–04.

Cross Listed Courses

[Religion 2426. Editing Greek Christian Literature: Seminar]

Medieval Latin

For Undergraduates and Graduates

[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages]

Catalog Number: 3179

Jan Ziolkowski

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

Examines folktales preserved in Medieval Latin and compares them with versions in Grimm, Andersen, and other 19th-century collections. Considers storytellers (old women, peasants, travelers, and professionals), their audiences, and their messages.

Note: Expected to be given in 2003–04.

Prerequisite: Completion of Latin 4 or other preparation in Latin satisfactory to the instructor.

Primarily for Graduates

[Medieval Latin 251 (formerly Medieval Latin 151). Virgil in the Middle Ages]

Catalog Number: 4036

Jan Ziolkowski

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

Examines the reception of Virgil in the Middle Ages. Considers approaches taken to the *Aeneid* in medieval education, from glosses and commentary to the allegorizations. Focuses also on folklore associated with Virgil and his poetry.

Note: Expected to be given in 2003–04.

Cross-listed Courses

[Latin 3m. Latin Prose Selections \(Medieval\)](#)

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

Classical Archaeology

For Undergraduates and Graduates



Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE

Catalog Number: 0835

David Gordon Mitten

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

The origins and development of Greek architecture, sculpture, and painting; the growth of cities and sanctuaries; religious mythological and narrative art, including monumental painting, mosaics, and vase painting. The development of archaeological research in Greek lands; current problems, such as the nature of Greek relationships with non-Greek peoples, and the Macedonian tombs. Readings, short papers on original works of art in Boston area museums, and a research paper.

Classical Archaeology 145. The Representation of Women in Ancient Greece

Catalog Number: 8969

Gloria Ferrari Pinney

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

The materials of this course are archaic and classical painted vases and sculptures and selected literary texts (in translation). Through both visual and literary imagery basic notions about female gender in ancient Greece will be explored, such as the nature of female beauty, categories of age, the importance of modesty, the conception of marriage.

Classical Archaeology 150. Archaic Greece

Catalog Number: 9899

Gloria Ferrari Pinney

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

“The remarkable developments of the eighth century in Greece seem almost all to be centered round an abstract idea: the new conception of the state”, writes Snodgrass in *Archaic Greece*. This course will focus selectively on major visual aspects of this new conception—the sanctuary, the grave, and figural, narrative representations. Emphasis will be placed on particular moments, with the aim to locate them within the cultural structure that produced them, and to explore the way in which they articulate notions about the past, and definitions of national identity and of citizenship.

Classical Archaeology 151. Landscape in Classical Art

Catalog Number: 0641

Gloria Ferrari Pinney

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

A tradition of landscape painting, in various forms, can be traced from the prehistory of Greece to the Hellenistic period. Roman wall paintings of the late Republic and the Early Empire, however, offer the largest body of representations of nature that survives from antiquity. Among those two genres emerge, both of them extensively used and each stereotypical in its formal devices: “garden” paintings and idyllic landscapes. Issues to be considered in this course are: What different accounts of nature do these genres represent? What is the relationship of the idyllic landscape to a broader definition of pastoralism? Attention will be paid to the architectural context of the images and the way they are framed on the wall, to the relationship of visual representations to texts, and to actual landscapes built for the wealthy and the emperors—some known from descriptions in texts, others partially recovered in excavations.



Classical Archaeology 153. The Wonders of the Ancient World

Catalog Number: 5903

Betsey A. Robinson

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

The Seven Wonders will be approached as a series of case-studies, addressing original contexts, designs, and functions as well as later (ancient through modern) reception and interpretation. Lesser-known and forgotten wonders, as well as other curiosities and ancient tourist attractions, will also be considered. We will thus explore ancient landmarks as symbols of places and peoples, vessels of cultural memory and long-lived sources of inspiration.

Primarily for Graduates

Classical Archaeology 255. In Pausanias' Footsteps: Cities and Sanctuaries in Roman Greece

Catalog Number: 9432

Betsey A. Robinson

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

An interdisciplinary exploration of Greek cityscapes and sanctuaries in the second century AD, seeking a balance between archaeological and art-historical evidence and Pausanias' *Description of Greece*. Ancient text in translation.

Cross-listed Courses

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

Gloria Ferrari Pinney 1384 and David Gordon Mitten 1290

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

Designed to introduce graduate students in Classical Archaeology to the essential fields, tools, and methodologies of the discipline.

Note: Expected to be given in 2003–04. For first-year students working toward the Ph.D. 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 a fourth hour for conversation. Laboratory, both terms.

EXAM GROUP: 3

For students with no knowledge of modern Greek. Basic oral expression, listening



comprehension, grammar, reading, and writing. Language instruction is supplemented by reading of simple literary passages and other texts.

Modern Greek B. Intermediate Modern Greek: Language and Civilization

Catalog Number: 8187

Panagiotis Roilos and assistant

Full course. M., W., F., at 11. EXAM GROUP: 4

For students with an elementary knowledge of modern Greek (equivalent to that acquired in Modern Greek A). Aims at further development of skills in speaking, comprehension, reading, and writing. Selected readings in prose (literary and journalistic), poetry, folksongs, modern music, and theatre serve as an introduction to aspects of modern Greek literature and culture. The second semester is conducted in Greek and focuses on topics selected by the instructor and the students in the first term. Grammar is reviewed in the context of readings.

***Modern Greek 100 (formerly Modern Greek C). Advanced Modern Greek: Introduction to Modern Greek Literature**

Catalog Number: 8487

Panagiotis Roilos

Half course (fall term). W., at 6:15. EXAM GROUP: 4

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 201. The Novel

Catalog Number: 9636

Panagiotis Roilos

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

The Greek novel from late antiquity to modern Greek literature. Special emphasis is given to ancient Greek and Byzantine examples of the genre. Particular attention is paid to rhetorical modes of representation (ekphrasis, synchysis, encomium, ethopoiia).

Note: Most texts available in translation, but students of Greek will be expected to read as much as possible in the original. Students will be able to work on comparative/additional texts according to their research interests.

Modern Greek 225 (formerly Modern Greek 125). Greek Modernism

Catalog Number: 0315

Panagiotis Roilos

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

Explores the theory and practice of Greek modernism and its response to European literary context, focusing on “The Generation of the ’30s” and the surrealists. Topics include: tradition and modernism, nostalgia and memory, poetics and desire.

Note: All texts available in English.

Cross-listed Courses



Comparative Literature 145. Dreams and Literature

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, Curt Hugo Reisinger Professor of Slavic Languages and Literature and Professor of Comparative Lit. (*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 (*on leave spring term*)

John T. Hamilton, Assistant Professor of Comparative Literature and Literature

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society

Despina Kakoudaki, Assistant Professor of Comparative Literature and of Literature (*on leave 2003-04*)

James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of Comparative Literature (*on leave fall term*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Stephen Owen, Associate of Adams House, James Bryant Conant University Professor (*on leave 2002-03*)

Judith Ryan, Harvard College Professor and Robert K. and Dale J. Weary Professor of German and Comparative Literature

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature (*on leave spring term*)

Other Faculty Offering Instruction in the Department of Comparative Literature



George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature
Karl S. Guthke, Kuno Francke Professor of German Art and Culture
Panagiotis Roilos, Assistant Professor of Modern Greek
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin (*on leave fall term*)

This field is organized to facilitate the systematic study of subjects and problems common to the various literatures. Programs leading to the degrees of A.M. and Ph.D. may, with the approval of the Department, be undertaken by properly qualified graduate students. Though undergraduates may not concentrate in Comparative Literature, their attention is called to the Literature Concentration, to History and Literature, to the Classics and allied fields, and to options in the concentration in English and American Literature and Language. The courses listed below are designed to supplement the offerings of other departments in ancient and modern languages and related fields, including the Literature and Arts courses in the Core Curriculum.

For Undergraduates and Graduates

[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

Catalog Number: 6773

Ruth R. Wisse

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

Seminar on the interrelationship between politics and literature. Studies novels, stories, poems, and dramas that engage in the struggle over the settlement and creation of Israel. Works in different languages reflect different cultural traditions and perspectives. Writers include George Eliot, Haim Nahman Bialik, Yosef Haim Brenner, Sholem Aleichman, S.Y. Agnon, Haim Hazaz, Arthur Koestler, Herman Wouk, A.B. Yehoshua, A.M. Klein.

Note: Expected to be given in 2003–04.

[Comparative Literature 111. From Type to Self in the Middle Ages]

Catalog Number: 9245

Luis M. Girón Negrón

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

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: Expected to be given in 2003–04. 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). M., W., (F.), at 11. EXAM GROUP: 4

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: 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). Th., 4–6. EXAM GROUP: 18

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.

Comparative Literature 145. Dreams and Literature

Catalog Number: 1446

Panagiotis Roilos

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

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.

Comparative Literature 151. The Faust Legend in Literature

Catalog Number: 6217

Karl S. Guthke

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

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: 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?” This course addresses these questions through study of works in various languages and genres, including diaries of the Warsaw and Vilna ghettos, memoirs, novels, plays, and poems. All readings in translation.

Note: Expected to be given in 2003–04.

[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 2003–04.

[Comparative Literature 160. Literary Forgeries and Mystifications]

Catalog Number: 3614

George G. Grabowicz

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

Examines literary forgeries and mystifications (from Ossian and the Igor Tale to Ern Malley and the Book of Vles) with special focus on their “national” dimension, i.e., their role in modern identity formation and political mythmaking. Also considers the psychology and esthetics of simulation and mystification and their reflection in selected works of Gide, Borges, Nabokov, Pavic and others.

Note: Expected to be given in 2003–04. 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). Tu., 2–4. EXAM GROUP: 16, 17

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: 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 will explore these and other questions raised by a wide range of works (oral and written testimonies, novels, essays, comic strips, documentary and feature films, poetry, monuments) produced from 1945 to the present in Europe, Israel, and the United States. Works by Levi, Wiesel, Lanzmann, Ophuls, Appelfeld, Fink, Spiegelman, Spielberg, Delbo, and others.

Note: Expected to be given in 2003–04.

Comparative Literature 166. The Comic Tradition in Jewish Culture

Catalog Number: 3418

Ruth R. Wisse

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



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: 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). Tu., Th., at 10. EXAM GROUP: 12

Examines a series of novels from 1980 to the present that build consciously on recent literary and cultural theory. Also explores the relation of fictional narrative to history, social problems, and ideology. Authors treated include: Don DeLillo, Marguerite Duras, John Irving, David Malouf, Christoph Ransmayr, Patrick Süskind, Graham Swift, and Christa Wolf. Theorists include: Barthes, Bhabha, Baudrillard, Derrida, Hassan, Lacan, and White.

[Comparative Literature 168. Literature and Film]

Catalog Number: 8121

Svetlana Boym

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

Focuses on literary and cinematic techniques of representation and the ways in which different media reflect and inform modern cultural myths. Special attention to representation of history and memory in East and West European film and to the tradition of cinematic experimentation from the silent era to the present. Works by Vertov, Eisenstein, Gogol, Trauberg, Nabokov, Kubrik, Jarmusch, Cortázar, Antonioni, Kundera, Vajda, Tarkovsky, Varda, Sarraute, and others.
Note: Expected to be given in 2003–04.

Comparative Literature 174. American Babel

Catalog Number: 2546

Marc Shell

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

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: Special arrangements for receiving foreign-language credit from home department.

Prerequisite: Knowledge of one non-English language.

[Comparative Literature 182. Comparative Cultures of Money]

Catalog Number: 0539

Marc Shell

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

Language and money as means of representation and exchange. Special attention to presumptions about politics, imitation, and the visual arts. Readings include texts by modern theorists as well as Aristotle, Balzac, Del Mar, Goethe, Heidegger, Hess, Martineau, Pascal,



Shakespeare, Thoreau, and Ueda.

Note: Expected to be given in 2003–04.

Comparative Literature 183. Film and the Human Body

Catalog Number: 8403

Despina Kakoudaki

Half course (fall term). M., 1–3, and a film screening W., 3–6. EXAM GROUP: 6, 7

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: 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). M., 4–6. EXAM GROUP: 9

Genres, forms, and themes of oral traditions in poetry and prose. Theories of performance and composition. Comparative metrical and formulaic analysis.

Note: 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 2003–04.

[*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 2003–04. Spanish, Latin, Arabic, and Hebrew materials will be read in English translation but students are encouraged to work with the originals.



[*Comparative Literature 211. Mysticism and Literature: Seminar]

Catalog Number: 3867

Luis M. Girón Negrón

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

Examines trends, issues, and debates in the comparative study of mystical literature. Close readings of primary works by Jewish, Christian, and Muslim authors from the Middle Ages through the 16th century. Topics include poetry and mysticism; allegory, symbolism, and Scripture; body and gender; apophysis vs. cataphasis; exemplarity and autobiographism; language and experience. Also examines creative engagement of premodern mystical literature in selected works by modern authors (Borges, T.S. Eliot, Goytisolo) and literary theorists (DeCerteau.)

Note: Expected to be given in 2003–04.

***Comparative Literature 227. Fictions of Kin and Kind in the Renaissance: Seminar**

Catalog Number: 2026 Enrollment: Limited to 15.

Marc Shell

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

Begins with skeptical arguments that kinship is unknowable and hence fictive, moves on to ideas about nationhood, friendship, the human-animal distinction, family adoption, and orphanhood. Examines the incest taboo in literature and utopian or antinomian attempts to ignore or transcend that taboo. Considers the universalist claim - in Christian, Muslim, and Jewish Renaissance traditions - that “All men are brothers.” Texts include Shakespeare, Marguerite of Navarre, Elizabeth I, Rabelais, Cardoso, Cervantes, Sperone, Webster, Luther, Sanchez, and Montaigne.

[*Comparative Literature 260. Literature and Exile: Seminar]

Catalog Number: 3691

Svetlana Boym

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

Explores the intimate connection between literature and exile through fiction, poetry, autobiographical and critical writings of writer-expatriates. Topics to be considered include exile as a metaphor and as an experience, nostalgia and irony, imagined homelands and national canons, bilingualism and transnational identity. Readings from Nabokov, Kundera, Sarraute, Cortázar, Rushdie, Brodsky.

Note: Expected to be given in 2003–04. Open to qualified undergraduates.

***Comparative Literature 261. Memory and Modernity: Seminar**

Catalog Number: 6923 Enrollment: Limited to 15.

Svetlana Boym

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

Explores modern art of memory in literary, philosophical, and critical texts. Topics to be considered: nostalgia and search for newness, collective and individual memory, conspiracy theories and ethics of remembering, modern “memory sites” — metropolis, museum, monument, home. Special attention to contemporary East-European reflection on art, memory, and nation. Readings from Baudelaire, Benjamin, Nietzsche, Proust, Nabokov, Tsvetaeva, Kundera, Kis, Levi, Cortázar, Borges, Brodsky, Lyotard, and others.



Note: 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). Hours to be arranged.

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: Expected to be given in 2003–04. 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.

This class explores the emergence of the moving image, and the narrative and representational developments of the first 20 years of film production. Focus on innovation, film techniques and technologies, and the work of major early studios and filmmakers, such as the Lumière brothers, Méliès, McKay, Griffith, Sennett, Keaton, and Chaplin.

Note: Expected to be given in 2003–04.

[Comparative Literature 268. Germany and the Greeks: Philhellenism from Winckelmann to George \(1755-1914\).](#)

Catalog Number: 0516

John T. Hamilton

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

Topics include: the relation of epic to German national identity; originality, genius and tradition; pedagogy and revolution; the formation of the lyrical subject and concepts of the modern *vates*; representations of the classical body; Dionysus and tragedy; *Mutterrecht*; the rise of Antiquarianism, philology, classical scholarship, etc.

[*Comparative Literature 269. Paralysis: Seminar]

Catalog Number: 8517

Marc Shell

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

How does paralysis inform aesthetics? Part One focuses on speech paralysis (*Hamlet*), hysterical paralysis (*Broken Glass*), and paralyzed rulers (FDR, Claudius). Part Two considers movement/stillness in painting (Kahlo, Masaccio) and cinema (*Rear Window*, *Breathing Lessons*) and examines first-person polio narratives. Texts also include history of medicine and film/literary theory.

Note: Expected to be given in 2004–05. Open to undergraduates by special permission.



[Comparative Literature 275. Theory of Narrative: Conference Course]

Catalog Number: 3105 Enrollment: Limited to 15.

William Mills Todd III

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

Studies of narrative (fictional, psychoanalytic, historical, sacred) as verbal structure, representation, rhetoric, and social phenomenon. Readings by Jakobson, Barthes, Bakhtin, Iser, Lukács, Foucault, and others. Analysis of the theoretical readings with reference to Russian and European narratives.

Note: Expected to be given in 2003–04. 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). Tu., 12–2. EXAM GROUP: 14, 15

Moses has long been associated with monotheism, but his story is, from the beginning, one 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 will read the many subsequent versions of the story (Josephus, Mann, Hurston, Freud, Schönberg, etc), in order to analyze the diversity of uses to which the story has been put.

[*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 2003–04.

[*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. Texts by Aeschylus, Shakespeare, Goethe, Celan, and Beckett; theoretical works in sociolinguistics, politics, and rhetoric.

Note: Expected to be given in 2003–04. Open to undergraduates by special permission.

[*Comparative Literature 285. Comparative Romantic Theory: Seminar]

Catalog Number: 0752

James Engell

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



Readings in Anglo-American and Continental theory of the Romantic period with recent commentary. Topics include language theory, irony, influence and originality, expression and reception, literary forms, gender, the self-conscious nature of romantic studies, and aesthetics.
Note: Expected to be given in 2003–04.

Prerequisite: Some prior knowledge of Romantic literature. Reading knowledge of German desirable but not required.

[*Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar]

Catalog Number: 7999

Gregory Nagy

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

Points of departure: Aristotle's *Poetics* and *Rhetoric*.

Note: Expected to be given in 2003–04. Knowledge of Greek not required. Qualified undergraduates welcome.

***Comparative Literature 299ar (formerly *Comparative Literature 299a). Literary Theory: Proseminar**

Catalog Number: 2431

Barbara E. Johnson and Despina Kakoudaki

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.

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 (on leave spring term), John T. Hamilton 3977, Barbara E. Johnson 7626, Despina Kakoudaki 3979 (on leave 2003-04), James L. Kugel 7575 (on leave fall term), Gregory Nagy 1423, Stephen Owen 7418 (on leave 2002-03), Judith Ryan 1135, Marc Shell 3176, Susan R. Suleiman 7234, William Mills Todd III 1634, and Ruth R. Wisse 3177 (on leave spring term)

***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 (on leave spring term), John T. Hamilton 3977, Barbara E. Johnson 7626, Despina Kakoudaki 3979 (on leave 2003-04), James L. Kugel 7575 (on leave fall term), Gregory Nagy 1423, Stephen Owen 7418 (on leave 2002-03), Judith Ryan 1135, Marc Shell 3176, Susan R. Suleiman 7234, William Mills Todd III 1634, and Ruth R. Wisse 3177 (on leave spring term)



***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 (on leave spring term), John T. Hamilton 3977, Barbara E. Johnson 7626, Despina Kakoudaki 3979 (on leave 2003-04), James L. Kugel 7575 (on leave fall term), Gregory Nagy 1423, Stephen Owen 7418 (on leave 2002-03), Judith Ryan 1135, Marc Shell 3176, Susan R. Suleiman 7234, William Mills Todd III 1634, and Ruth R. Wisse 3177 (on leave spring term)

Note: Candidates for the doctoral degree in Comparative Literature may pursue advanced studies under the individual supervision of these instructors. Permission to register for this course should be obtained from the instructor whose guidance is sought and from the Chairman of the Department.

Computer Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Computer Science

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science (*on leave fall term*)

David M. Brooks, Assistant Professor of Computer Science on the Gordon McKay Endowment

Mark S. Day, Lecturer on Computer Science (*fall term only*)

Steven J. Gortler, Associate Professor of Computer Science on the Gordon McKay Endowment (*Director of Undergraduate Studies*)

Barbara J. Grosz, Higgins Professor of Natural Sciences

H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*on leave spring term*)

Henry H. Leitner, Senior Lecturer on Computer Science

Harry R. Lewis, Gordon McKay Professor of Computer Science and Dean of Harvard College

Michael D. Mitzenmacher, John L. Loeb Associate Professor of the Natural Sciences

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*)

John R. Nicol, Lecturer on Computer Science (*fall term only*)

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

David C. Parkes, Assistant Professor of Computer Science on the Gordon McKay Endowment

Radia Perlman, Lecturer on Computer Science (*spring term only*)



Avrom J. Pfeffer, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science
 Norman Ramsey, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Margo I. Seltzer, Gordon McKay Professor of Computer Science
 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
 Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
 Gu-Yeon Wei, Assistant Professor of Electrical Engineering 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: General Education 156, Linguistics 112a, 112b, Philosophy 144, Physics 123, Statistics 110, 111, 171.

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

Catalog Number: 4949

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.*

In this course a student may undertake supervised individual study of advanced topics in computer science beyond those covered in regular courses, or may participate in a computer science research project. Students writing theses may enroll in this course while conducting their thesis research and writing. A student wishing to enroll in Computer Science 91r must be accepted by a faculty member who will supervise the course work and will specify the syllabus or project description. A form available in the Division of Engineering and Applied Sciences Academic Office, Pierce Hall 110, must be filled out with a description of the course work and the basis for its evaluation. This form must be signed by the student and the faculty supervisor and filed in the Academic Office by the date on which study cards are due. A written report of the work carried out in the course is ordinarily required by the beginning of the reading period.

Note: Ordinarily, at most two terms of Computer Science 91r may be taken for academic credit. May not be taken Pass/Fail. Students wishing more information about the range of suitable projects or faculty supervisors should consult the Director of Undergraduate Studies.

For Undergraduates and Graduates**Computer Science 120. Introduction to Cryptography**

Catalog Number: 5911

*Salil P. Vadhan**Half course (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.

Prerequisite: Computer Science 121 or Computer Science 124.

Computer Science 121. Introduction to Formal Systems and Computation

Catalog Number: 0669

Harry R. Lewis



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

General introduction to formal systems and the theory of computation. Elementary treatment of automata, formal languages, computability, uncomputability, computational complexity, NP-completeness, and mathematical logic.

Computer Science 124. Data Structures and Algorithms

Catalog Number: 5207

Michael D. Mitzenmacher

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

Design and analysis of efficient algorithms and data structures. Algorithm design methods, graph algorithms, approximation algorithms, and randomized algorithms are covered.

Prerequisite: Computer Science 51; some exposure to discrete applied mathematics, such as Applied Mathematics 106 or 107 or Computer Science 121 or Statistics 110, is helpful.

Computer Science 141. Computing Hardware

Catalog Number: 4357

Woodward Yang

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

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). W., F., 2:30–4. EXAM GROUP: 7, 8

Architecture, design, and performance of computer networks. Topics include: the Internet protocols, local area networks, performance analysis, queueing theory, congestion control, multicast, quality of service, and network security. Programming exercises on protocol implementation.

Prerequisite: Computer Science 51.

[Computer Science 144r (formerly Computer Science 144). Networks Design Projects]

Catalog Number: 5415

H. T. Kung and Marco Iansiti (Business School)

Half course (spring term). W., F., 4–5:30. EXAM GROUP: 9

Cooperative design and development of a business model based on advanced business networking concepts in one of the three areas: optical networking, wireless networking, and inter-enterprise software applications. Students will work in 2- or 3-person teams. Student assignments will include weekly homework sets, a project proposal, and project reports and presentations. At the end of the class, all teams will defend their approaches and results in front of the class and invited guests.

Note: Expected to be given in 2003–04. Enrollment is limited. Preference will be given to upper class undergraduates or graduate students in computer science or in business. Offered jointly



with the Business School as 4560.

Prerequisite: Computer Science 143 or equivalent experience.

Computer Science 146. Computer Architecture

Catalog Number: 6520

David M. Brooks

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

Review of the fundamental structures in modern processor design. Topics include computer organization, instruction set design, memory system design, pipelining, and other techniques to exploit parallelism. Emphasis on a quantitative evaluation of design alternatives and an understanding of timing issues.

Prerequisite: Computer Science 141.

Computer Science 148. Introduction to VLSI Design

Catalog Number: 1772 Enrollment: Limited to 16.

Gu-Yeon Wei

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

Presentation of concepts and techniques for the design and fabrication of VLSI systems and integrated circuits. Topics include: basic semiconductor theory; MOS transistors; digital MOS circuit design; high-level modeling of VLSI systems; synthesis and place and route; memory and processor design; and testing of VLSI circuits and systems. Various CAD tools for design and simulation extensively used. Groups will build custom VLSI chips to be fabricated at an external VLSI foundry. Arrangements to test fabricated chips required.

Prerequisite: Engineering Sciences 50 or Physics 15b, and Computer Science 141, or permission of instructor.

Computer Science 152. Principles of Programming Languages

Catalog Number: 6841

Norman Ramsey

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

Intellectual tools needed to design, evaluate, and choose programming languages. Historical 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

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

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.

Note: Expected to be given in 2003–04.

Prerequisite: Computer Science 121 and 152.

Computer Science 161. Operating Systems

Catalog Number: 4347

Margo I. Seltzer

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

The fundamental principles of resource management and abstraction in modern operating systems. Control abstractions: thread, processes, scheduling synchronization. Storage abstractions: dynamic memory allocation, virtual memory, file system design. Communication abstractions: interprocess communication, networking. Case studies. Design and implementation of parts of a multiuser multitasking virtual-memory operating system.

Note: Open to students who achieved an honor grade (B- or better) in Computer Science 51 and who have experience developing large software systems.

Prerequisite: Computer Science 51.

Computer Science 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. Partial-order planning: representations of actions; techniques for handling goal interactions. Bounded rationality, situated agents. Discussion of relevant work in philosophy, economics, and decision theory. Applications to language, robotics and multi-agent systems. *Prerequisite:* Computer Science 51; Computer Science 121 (may be taken concurrently).

Computer Science 187. Computational Linguistics

Catalog Number: 0249 Enrollment: Limited to 20.

Stuart M. Shieber

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

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.

Computer Science 221. Computational Complexity

Catalog Number: 5812

Salil P. Vadhan

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

A quantitative theory of the resources needed for computing and the impediments to efficient computation. The models of computation considered include ones that are finite or infinite, deterministic, probabilistic, quantum or nondeterministic, discrete or algebraic, sequential or parallel.

Note: Expected to be given next in Spring 2004.

Prerequisite: Computer Science 121 or equivalent.

[Computer Science 222. Algorithms at the Ends of the Wire]

Catalog Number: 2493

Michael D. Mitzenmacher



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

Covers topics related to what is done with information before and after it is sent across a network. Themes include compression, cryptography, coding, and information retrieval related to the World Wide Web. Theoretical aspects are emphasized, although current practice and recent advances are also a focus. Requires a major final project.

Note: Expected to be given in 2003–04.

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.

Prerequisite: Computer Science 124. Preferably additional probability, such as in Computer Science 226r, Statistics 110, or Mathematics 191.

[Computer Science 225. Pseudorandomness]

Catalog Number: 4869

Salil P. Vadhan

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

Efficiently generating objects that “look random” despite being constructed using little or no randomness. Connections and applications to computational complexity, cryptography, and combinatorics. Pseudorandom generators, randomness extractors, expander graphs, error-correcting codes, hash functions.

Note: Expected to be given in 2003–04.

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 2003–04.

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.

Prerequisite: Computer Science 121 or equivalent.

Computer Science 243. Network Security Protocols

Catalog Number: 9584

Radia Perlman

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

An in-depth investigation of network security. Mechanisms to reconcile often conflicting goals (e.g. anonymity vs. traceability). Covers both design options available and design decisions made in deployed systems, including Kerberos, IPsec, SSL, and X.509.

Prerequisite: Computer Science 50 and 124, or permission of the instructor.

[Computer Science 244r (formerly Computer Science 244). Advanced Networks Design Projects]

Catalog Number: 3018

H. T. Kung and Marco Iansiti (Business School)

Half course (spring term). W., F., 4–5:30. EXAM GROUP: 9

The contents and course requirements are similar to those of Computer Science 144r, with the exception that students enrolled in Computer Science 244r are expected to do substantial implementation of a subsystem related to their business plan. In addition, demonstration and documentation of the implementation are required.

Note: Expected to be given in 2003–04. Enrollment is limited. Preference will be given to upper class undergraduates or graduate students in computer science or in business who are proficient in computer programming or in business software. Offered jointly with the Business School as 4560.

Prerequisite: Computer Science 143 or equivalent experience.

***Computer Science 246. Advanced Computer Architecture**

Catalog Number: 0979

David M. Brooks

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

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.

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 (spring term). Hours to be arranged.

Advanced functional programming. Lazy evaluation, monads, monad comprehensions, the monadic approach to imperative features. Folds and unfolds. Functional reactive programming for graphics, robotics. Combinators for parsing and prettyprinting. Purely functional data structures. Type systems: polymorphism and overloading, type and constructor classes, higher-order kinds, polytypic programming. Implementation: heap profiling, match compilation.

Note: Expected to be given in 2003–04.

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.

Prerequisite: Computer Science 153 or equivalent.

[Computer Science 254r. Programming Methodologies]

Catalog Number: 2767

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

Investigates program analysis, verification, and refinement; programming paradigms, including parallel and distributed; program development and maintenance environments. This year students will critique an experimental world-wide programming environment the instructors are developing: see www.deas.harvard.edu/courses/cs254r/2001.

Note: Expected to be given in 2003–04.

Prerequisite: Computer Science 51 and 121, or equivalent.

[Computer Science 261. Research Topics in Operating Systems]

Catalog Number: 6706

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

A quantitative approach to operating system design and evaluation. Discussion of recent research including extensible operating system architectures, distributed systems, and performance analysis. Overview of research techniques and methodology.



Note: Expected to be given in 2003–04.

Prerequisite: Computer Science 161, or equivalent.

[Computer Science 262. Introduction to Distributed Computing]

Catalog Number: 7949

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

Examination of the special problems associated with distributive computing, especially those associated with partial failure and intrinsic limitations on global knowledge. The course will emphasize the specification and implementation of high level protocols that allow computational entities to collaborate in the face of these problems. Causal ordering, event and RPC based systems, and security problems in distributed systems will be discussed.

Note: Expected to be given in 2003–04.

Prerequisite: Computer Science 161 or permission of instructor.

Computer Science 265. Database Systems

Catalog Number: 4104

Margo I. Seltzer and Mark S. Day

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.

Prerequisite: Computer Science 51.

***Computer Science 277. Geometric Modeling in Computer Graphics**

Catalog Number: 3067

Steven J. Gortler

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.

Note: Expected to be omitted in 2003–04.

Prerequisite: Computer Science 175 and permission of instructor.

[*Computer Science 278. Rendering and Image Processing in Computer Graphics]

Catalog Number: 4883

Steven J. Gortler

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

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.



Note: Expected to be given in 2003–04.

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.

Note: Expected to be given in 2003–04.

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.

Prerequisite: Computer Science 181 or permission of instructor.

[Computer Science 283. Computer Vision]

Catalog Number: 4475

Roger W. Brockett

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

Vision as an ill-posed inverse problem: two-dimensional signal processing; image enhancement and restoration; feature analysis; image segmentation and analysis; structure from motion, texture, and shading; binocular stereo; pattern classification; and applications.

Note: Expected to be given in 2003–04.

[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 2003–04.

Prerequisite: Computer Science 182 or permission of instructor.



Computer Science 286r. Topics at the Interface between Computer Science and Economics

Catalog Number: 1099 Enrollment: Limited to 20. Preference given to graduate students or upper-class concentrators.

David C. Parkes

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

Interplay between computation and incentives within open decentralized computational systems. Mechanisms and market design, negotiation, social-choice, information-economics and privacy. Readings from theoretical CS, AI, operations research, and economics. Spring 2003: Electronic Market Design.

Note: Seminar style.

Prerequisite: Mathematics 21b, Applied Mathematics 21b, or equivalent; Computer Science 121, 124, and 181 or 182, or equivalents; or permission of instructor.

[*Computer Science 287r. Natural Language Processing]

Catalog Number: 3306

Stuart M. Shieber

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

Principles and techniques of natural language processing, including grammar formalisms, syntactic analysis, semantic interpretation, and associated algorithms.

Note: Expected to be given in 2003–04.

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.

Prerequisite: Computer Science 182 or 287r or equivalent, or permission of instructor.

Computer Science 299r. Special Topics in Computer Science

Catalog Number: 4592

Venkatesh Narayanamurti

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

Supervision of experimental or theoretical research on acceptable computer science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants should 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

***Computer Science 309,310. Computational Mechanism Design, Electronic Marketplaces, and Multi-agent Systems**

Catalog Number: 8764,0931

David C. Parkes 4202

***Computer Science 311,312. Natural Language Processing, AI Planning, and Collaborative Systems**

Catalog Number: 4677,6223

Barbara J. Grosz 1599

***Computer Science 321,322. Databases, Operating System, and Software Design**

Catalog Number: 4085,4086

Margo I. Seltzer 3371

***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

***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



***Computer Science 353,354. Representation and Reasoning, Machine Learning and Decision Making**

Catalog Number: 6816,1843

Avrom J. Pfeffer 2830

***Computer Science 355,356. Computational Complexity, Parallel Computation, Computational Learning, Neural Computation, and Quantum Computation**

Catalog Number: 0345,0346

Leslie G. Valiant 7396

***Computer Science 357,358. Computational Complexity, Cryptography, and Pseudorandomness**

Catalog Number: 3485,8641

Salil P. Vadhan 3833

***Computer Science 359,360. Online Algorithms and Randomized Algorithms**

Catalog Number: 2104,1477

Michael D. Mitzenmacher 7748

***Computer Science 375,376. Computer Graphics**

Catalog Number: 6832,7313

Steven J. Gortler 2824

Courses Related to Ethnic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The following are courses related to themes and issues of ethnicity and race, offered by the Faculty of Arts and Sciences in 2002-2003. Courses appear in 4 categories, the first lists undergraduate core courses, the second lists courses with a primary focus on ethnicity in the United States, the third covers courses related to ethnicity and the United States, and the fourth covers topics on ethnicity outside the United States. Several courses are listed in more than one category. These lists serve as a guide for learning more about diversity in American cultures and other societies. The more complete, descriptive *Ethnic Studies Guidebook* will be available in September. Please consult the Ethnic Studies website <http://www.fas.harvard.edu/~cesh/intro.html> for more details. *The Faculty Advisory Committee, an interfaculty committee, advises students interested in pursuing Ethnic Studies on their course selection, mentors available, and resources in and around Harvard.*



Core Courses in Ethnic Studies

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations]
[Foreign Cultures 48. The Cultural Revolution](#)
[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)
[Foreign Cultures 74. Cultures of Southern Europe]
[Foreign Cultures 80. 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-53. The Chinese Revolutionary Tradition]
[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]
[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 135z. James Baldwin and Lorraine Hansberry]
[Afro-American Studies 143. African-Americans and a New Racial Divide]
[Afro-American Studies 191. The Civil Rights Movement: Seminar]
[*Afro-American Studies 196. Sociological Perspectives on Racial Inequality in America: Seminar]
[Afro-American Studies 196z. Race, Segregation and Inequality]
[General Education 175. Native Americans in the 21st Century: Nation-Building I](#)
[*Government 2140. Identity in History and Politics]
[*History 1635. Race and Race Relations Since Plessy: Conference Course](#)
[*History 1645 \(formerly History 1607\). History of American Immigration: Conference Course](#)
[History 1649. The American West: 1780-1930](#)
[Sociology 60. Race and Ethnic Relations](#)
[Sociology 68. Social Movements](#)
[*Sociology 96. Individual Community Research Internship](#)
[Sociology 166. Poverty, Public Policy, and Controversy]
[*Sociology 221. Immigration, Identity and Assimilation: Seminar]
[Sociology 248. Race, Politics, and Social Inequality](#)
[*Sociology 249. "Race," Culture and Social Structure: Seminar](#)



***Sociology 300. Workshop on "Race/Ethnicity, Culture and Social Structure"**

[Spanish 165. Bilingual Arts](#)

[Spanish 268. A Rhetoric of Particularism]

Courses Related to Ethnicity and the United States

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

[Afro-American Studies 118. African-American History from the Slave Trade to 1900](#)

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

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

[Afro-American Studies 131. Afro-American Literature to the 1920s](#)

[Afro-American Studies 138z. Interracial Literature](#)

[Afro-American Studies 141. Afro-Atlantic Religions](#)

[Anthropology 153. Nationalism and Bureaucracy]

[Anthropology 198. Violence and the Media]

[Anthropology 210. Anthropology of Events](#)

[Anthropology 289. Culture and Violence]

[Chinese Literature 132. Chinatowns]

[Comparative Literature 166. The Comic Tradition in Jewish Culture](#)

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

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

[English 17. American Literature to 1860](#)

[Government 90q. U.S. – Latin American Relations](#)

[*Government 1582. Who Are We? Issues of American National Identity](#)

[*Government 2140. Identity in History and Politics]

[*Government 2900. U.S.–Latin American Relations](#)

[History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course](#)

[History 1955. Comparative Labor History: Conference Course]

[Music 208r. Ethnomusicology: Seminar]

[Religion 1525. Radical Movements in Modern America]

[Religion 1528. Globalization and Human Values: Envisioning World Community](#)

[Religion 1530r. Religious Values and Cultural Conflict: Seminar]

[Religion 1726. Buddhism in America: Seminar]

[Religion 2040. Religion and Human Rights](#)

[Religion 2042. Religion, Nationalism, and Peace]

[Religion 2501. The Religious History of American Women: Seminar]

[*Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course](#)

[Women's Studies 101r \(formerly Women's Studies 101\). Money Changes Everything: Gender and Globalization](#)

[Women's Studies 110a. Bodies and Boundaries: Conference Course]

[Women's Studies 110b. Current Problems in Feminist Theory: Conference Course](#)

[Women's Studies 110c. Borders and Betrayals: Engendering Cultural Identities](#)

Courses Related to Ethnicity outside the United States



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

Afro-American Studies 141. Afro-Atlantic Religions

[Anthropology 122. Japanese Culture and Society]

[Anthropology 153. Nationalism and Bureaucracy]

Anthropology 184. Ethnicity in the Americas: The Indian Question

[Anthropology 198. Violence and the Media]

Anthropology 210. Anthropology of Events

[Anthropology 213. Theories of Discourse in Middle Eastern Ethnography]

Anthropology 263. Globalization and Culture

Anthropology 277. Development Dilemmas

[Anthropology 289. Culture and Violence]

[Armenian Studies 100. Armenian Epic]

Catalan Ba (formerly Catalan Aa). Introduction to Catalan

***Catalan 91r. Supervised Reading and Research**

[Chinese History 118. History of Relations between China and Inner Asia II]

[Chinese Literature 132. Chinatowns]

[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

Comparative Literature 112. Religion and Literature in the Middle Ages

Comparative Literature 166. The Comic Tradition in Jewish Culture

[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar]

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

[Folklore and Mythology 115. The African Oral Narrative Tradition]

French 42 (formerly French 38b). Introduction à la littérature francophone

French 70c. Introduction to French Literature III: The Francophone World

[French 188. Women Francophone Writers]

[French 194. Francophone Film and Literature]

French 289r. French African Literature: Seminar

[German 195. Multicultural Germany: Negotiating the Turkish-German Minority]

Government 90gs. Civil Society in Asia

[Government 90hh. International Migration and the Political Economy of Development]

Government 90jp. The Struggle for Palestine/Israel

Government 1295. Comparative Politics in Latin America

[Government 1760. International Relations of East Asia]

Government 2148. Civil Society, West and East

***Government 2900. U.S.–Latin American Relations**

[Hebrew 150a. Introduction to Rabbinic Literature]

[Hebrew 150b. Introduction to Rabbinic Literature]

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages]

[Hebrew 176. Aristotle's *Ethics* in Medieval Jewish Thought]

[History 1439. India and the British Empire in the 18th Century: Conference Course]

History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course

[History 1741. Gender and History in Latin America]



[History 1759 \(formerly History 1760b\). The History of Latin America, 1914-2002](#)

[History 1955. Comparative Labor History: Conference Course]

[*History 2781 \(formerly *History 1781\). Modern Mexican History: Seminar](#)

[History of Art and Architecture 291. Visions and Virgins: Miraculous Images in Colonial Latin America]

[Indian Studies 111. Literary Cultures of India: An Introduction to the Study of South Asia]

[Indian Studies 112. Major Themes in Modern Indian History]

[Indian Studies 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 121. Politics, Society and Religion in North Africa from 1500 to the Present](#)

[Islamic Civilizations 124. Central Asian Culture and Society](#)

[Islamic Civilizations 125. History and Culture of Islamic Peoples of the Former Soviet Union]

[Islamic Civilizations 160. The Meanings of Islam in Central Asia]

[Music 178r. Performing Music: Eastern European/Java/Folkdance](#)

[*Music 190r \(formerly *Music 190rr\). Proseminar: Topics in World Music](#)

[Music 190rr \(formerly Music 190sr\). 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]

[Religion 2040. Religion and Human Rights](#)

[Religion 2042. Religion, Nationalism, and Peace]

[*Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course](#)

[Spanish 35. Upper-Level Spanish I: Cuatro países latinoamericanos](#)

[Spanish 48. Perspectives on Mexico](#)

[Spanish 71a. 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 90h. Indigenismos]

[Spanish 172. Barcelona, fin-de-siècle]

[Spanish 186. Tobacco and Sugar]

[Spanish 201. The History of the Spanish Language](#)

[Spanish 287r. Spanish Literature Seminar: Realism and its Avatars]

[Spanish 295r. Graduate Seminar on Life and Works of El Inca Garcilaso de la Vega]

[Women's Studies 101r \(formerly Women's Studies 101\). Money Changes Everything: Gender and Globalization](#)

[Women's Studies 110a. Bodies and Boundaries: Conference Course]

[Women's Studies 110b. Current Problems in Feminist Theory: Conference Course](#)

[Women's Studies 110c. Borders and Betrayals: Engendering Cultural Identities](#)

[Yiddish 102r. Modern Yiddish Literature I](#)

[Yiddish 105. Yiddish Language and Linguistic Theory](#)

[Yiddish 108. American Jewish Literature: At the Center or the Margins?](#)

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*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature, Curt Hugo Reisinger Professor of Slavic Languages and Literature and Professor of Comparative Lit. (*on leave fall term*)

Robert Brustein, Professor of English (*on leave 2002-03*)

Marjorie Garber, William R. Kenan, Jr. Professor of English

Jorie Graham, Boylston Professor of Rhetoric and Oratory

Harry R. Lewis, Gordon McKay Professor of Computer Science and Dean of Harvard College

John C. Megan, Director Office for the Arts at Harvard (*ex officio*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Robert J. Orchard, Director of the Loeb Drama Center and Executive Director of the American Repertory Theatre (*ex officio*)

Peter Sacks, John P. Marquand Professor of English (*on leave fall term*)

Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value



Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature (*on leave spring term*)

Robert Elliott Woodruff, Artistic Director of the American Repertory Theatre and Lecturer on Dramatic Arts (*ex officio*)

Other Faculty Offering Instruction in Dramatic Arts

Elizabeth Weil Bergmann, Lecturer on Dramatic Arts

Thomas Derrah, Lecturer on Dramatic Arts, Temporary in Continuing Ed

Jeremy Geidt, Lecturer on Dramatic Arts

J. Michael Griggs, Lecturer on Dramatic Arts

William Stephen Lebow, Lecturer on Dramatic Arts, Temporary in Continuing Ed

Gideon Michael Lester, Lecturer on Dramatic Arts

Karen L. MacDonald, Lecturer on Dramatic Arts

Claire 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 will be required to attend at least five different productions.) Students will do creative and collaborative work throughout the term, and members of the A.R.T. staff will give guest lectures in their areas of expertise.

Dramatic Arts 10. Beginning Acting

Catalog Number: 9555

Scott Zigler

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

Utilizing primarily scene study work drawn from contemporary material, the course will focus on three main areas: Text analysis, with primary focus on identification of objectives and tactics; character; and moment to moment spontaneity. The course will draw primarily from the theories of David Mamet and Sanford Meisner.

Note: 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

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.

Note: Enrollment limited by audition.

Dramatic Arts 13. Acting Workshop: Comedy

Catalog Number: 9926

William Stephen Lebow

Half course (fall term). Hours to be arranged. EXAM GROUP: 4, 5

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, this course investigates how physical energy and movement design choices develop into kinesthetic, dramatic, and artistic experiences for both the performer and the audience. Focusing on time, weight, space and flow, movement phrases will be structured into an understandable, organic whole.

Note: No previous dance experience is necessary. Enrollment limited by interview.

Dramatic Arts 15. Movement for Actors and Directors

Catalog Number: 4908

Claire Mallardi

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



The integration of verbal and non-verbal forms of communication focusing on movement and gesture as means to enhance, inform, and illuminate text. The goal is to achieve the fullest range and clarity of physical and emotional expression of the body as it moves in relation to the surrounding space. A physical experiential approach will be practiced through studies that pertain to the actor's presence on stage, concentrating on the structure, organization, and control of time, space, energy, and sound.

Dramatic Arts 17. Intermediate Acting

Catalog Number: 9738

Karen L. MacDonald

Half course (spring term). W., F., 11:30–1. EXAM GROUP: 4, 5

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., Th., 11:30–1. EXAM GROUP: 13, 14

A course of advanced acting techniques using 20th-century dramatic texts for scene work. Text analysis and the resulting character intentions and tactics are carefully examined. The goal of the course is to provide the actor with concrete skills that produce tangible results in rehearsal and on stage.

Note: 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 Michael 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 Course Instructor.

[*Dramatic Arts 22r. Beginning and Intermediate Directing]

Catalog Number: 8160 Enrollment: Limited to 15.

Marcus Stern

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

A directing class for all levels of director and actor, from beginning to advanced. Course



examines the directorial tools of text analysis, staging, design, and working with actors through constant scene work. The focus is on understanding texts and explicating your response to those texts on stage. This course is also useful for actors investigating all aspects of theater.

Note: Expected to be given in 2003–04. This course may be repeated with instructor and advisor approval.

Prerequisite: Enrollment contingent on short interviews to be conducted on the first day of class.

Dramatic Arts 23. Beginning and Intermediate Directing

Catalog Number: 9594

Robert Elliott Woodruff and Thomas Derrah

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

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: Enrollment limited by audition/interview.

Dramatic Arts 24. Advanced Directing

Catalog Number: 9650 Enrollment: Limited to 9.

Marcus Stern

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

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: Enrollment limited by audition/interview. Please bring theater resume to first class.

Dramatic Arts 30. Design for the Theatre: History and Practice

Catalog Number: 9503

J. Michael Griggs

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

The practice of designing scenery for the theatre is explored through the history of stage design and through examples from productions at the Loeb Drama Center. 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: Studio Course**

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.

[*Dramatic Arts 32 (formerly *Visual and Environmental Studies 132). Projects in Stage Design: Studio Course]

Catalog Number: 7533 Enrollment: Limited to 12.

J. Michael Griggs

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

The class will complete projects that explore the techniques of the stage designer. Projects may include large-scale scene painting, drafting, and CAD, advanced model making, and working with wood and metal. Some projects will be based on interpretations of dramatic literature to examine both conceptual issues and the practical problems of designing for the stage.

Note: Expected to be given in 2003–04.

Dramatic Arts 64. Dramatic Literature from the Greeks to Ibsen

Catalog Number: 9491

Robert Scanlan

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

This course is a broad survey of major monuments of drama, starting with Aeschylus' *Oresteia* and culminating with Ibsen's *Peer Gynt*, the gateway to modern drama. Lectures introduce the historical periods that produced and preserved selected classics of western drama. After the Greeks, Roman, and Medieval examples pave the way for Renaissance and French Neo-classical masterpieces, followed by the rise of bourgeois drama, Goethe and finally Ibsen.

Cross-listed Courses

[Chinese Literature 158. Passion and Duty in Chinese Drama]

Chinese Literature 255. Readings in Yuan 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 American and British Drama, 1992-2002**

***English 90qv. Women on the Verge: 20th-Century American Women Playwrights**

***English 90sb. Samuel Beckett's Plays and Prose**

English 121. Shakespearean Playwriting

English 125d. The Drama of Shakespeare's Contemporaries

English 162c. Making it New: Modern Drama from Ibsen to Kushner

English 194. Political Theatre and the Structure of Drama

[French 137. 20th Century French Theater]

French 189. Francophone Poetry and Drama

French 224. Theater and Politics in the Classical Age: Corneille, Racine, Molière

***Freshman Seminar 32s. Russian Theater, 1800-1920**

Freshman Seminar 32y. Goethe's *Faust

Greek 106. Greek Tragedy



[Italian 192. Pirandello and the European Stage of the 20th Century]
[Japanese Literature 140. Edo Popular Culture]
[Japanese Literature 141. Edo's Spectacular Culture](#)
[Literature and Arts A-35. Tragic Drama and Human Conflict](#)
[Literature and Arts A-40. Shakespeare, The Early Plays]
[Literature and Arts A-41. Shakespeare, The Later Plays](#)
[Literature and Arts C-14. The Concept of the Hero in Greek Civilization](#)
[Literature and Arts C-25. The Medieval Stage]
[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]
[Spanish 123. The Honor Stage: Identity, Community, Nation in Early Modern Spanish Drama]
[*Visual and Environmental Studies 101r. Art and Feminism](#)
[*Visual and Environmental Studies 179. Performance Theory: Seminar](#)

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, Visiting Professor of Biology (*Virginia Polytechnic Institute and State University*)
James L. Davis, Associate of the Harvard College Observatory
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
John P. Holdren, Teresa and John Heinz Professor of Environmental Policy (*Kennedy School*)
Daniel J. Jacob, Gordon McKay Professor of Atmospheric Chemistry and Environmental Engineering
Stein B. Jacobsen, Professor of Geochemistry
Andrew H. Knoll, Fisher Professor of Natural History
Charles H. Langmuir, Professor of Geochemistry (*on leave 2002-03*)
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



Richard J. O'Connell, Professor of Geophysics
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, Professor of Structural and Economic Geology (*Head Tutor*)
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science

Other Faculty Offering Instruction in the Department of Earth and Planetary Sciences

Renata Dmowska, Lecturer on Earth and Planetary Sciences
Ralph Mitchell, Gordon McKay Professor of Applied Biology
Allan R. Robinson, Gordon McKay Research Professor of Geophysical Fluid Dynamics
Marcus Van Baalen, Lecturer on Earth and Planetary Sciences

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

Marcus Van Baalen and members of the Department

Half course (spring term). Tu., Th., 11:30–1:00; laboratories and section require one afternoon per week. EXAM GROUP: 13, 14

An introduction to geologic processes, with an emphasis on their environmental consequences. Topics include Earth history, Earth materials, plate tectonics, hydrology, and natural disasters: volcanic eruptions, earthquakes, landslides and floods. The nature of knowledge and uncertainty in science. Introduction to epidemiological studies, risk assessment and policy tradeoffs. Groundwater contamination. Handling of radon, asbestos and other hazardous materials including nuclear waste. Afternoon field trips are an integral part of the course.

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 and Marcus Van Baalen

Half course (fall term). M., W., F., at 10; three hours of laboratory work each week and two day-



long field trips on separate weekends required. EXAM GROUP: 3

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 per week 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.

Prerequisite: Secondary-school courses in science (physics, chemistry, biology) and calculus.

[Earth and Planetary Sciences 30. Environmental Microbiology]

Catalog Number: 4935

Ralph Mitchell

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

Microbial processes in natural habitats, including biogeochemical cycles and metal transformations. Evolution of microorganisms and the development of survival strategies are discussed. Includes discussions of microbial processes in specific habitats including fresh waters, marine, and soil. Emphasis is placed on the effects of environmental deterioration and the responses of the microbial community.

Note: Expected to be given in 2003–04.

Prerequisite: An introductory biology course, either at the high school or college level.

***Earth and Planetary Sciences 74. Field Geology**

Catalog Number: 7239

Paul F. Hoffman

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

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

Ann Pearson and Daniel P. Schrag

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

This course offers an overview of low-temperature geochemistry through the treatment of a selection of geochemical issues of environmental significance. Each unit will place geochemical topics in the context of a broader geological perspective with particular emphasis on chemical principles. Students from all concentrations are welcome.

Note: Expected to be given in 2003–04. Given in alternate years.

Prerequisite: A course in college-level chemistry or permission from the instructor.

[Earth and Planetary Sciences 108. Environmental Geomechanics]

Catalog Number: 6095

James R. Rice

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

Principles of solid and fluid mechanics are developed to understand processes in environmental geology and geophysics. Topics: Geomorphology and sedimentation. Hydrology, groundwater flows, solute transport, contaminant remediation. Poroelasticity, aquifer dynamics, consolidation and subsidence. Rock and soil strength; safety of dams, levees and landfills; landslides, debris flows. Faulting and earthquake waves, site response, liquefaction. Water waves, tsunamis, open channel flows, hydraulic jumps; erosion and sediment transport.

Note: Expected to be given in 2003–04. 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). Tu., Th., 11:30–1 and a 2.5 hour lab to be arranged. EXAM GROUP: 13, 14*

The course provides an overview of the earth's energy and material resources. Following an introduction to hydrocarbons (oil, natural gas, and coal), nuclear fuels, and other economically important ores, the course will emphasize methods used to exploit these resources and the environmental impacts of these operations. Topics include: Coal and acid rain; petroleum, photochemical smog, and oil spills; nuclear power and radioactive hazards; alternative energies (solar, hydroelectric, tidal, geothermal power); metals and mining. Labs will emphasize geologic and geophysical methods for discovering and exploiting resources, including satellite remote sensing and seismic reflection techniques, and environmental remediation approaches.

Note: Expected to be omitted in 2003–04. Given in alternate years.

Prerequisite: EPS 6, 7, or 8, or permission of the instructor.

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography]

Catalog Number: 2249

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

Elements of the physics and dynamics of the world's oceans. The observational basis and the fundamental concepts and models required for describing and understanding the range of phenomena that occur on many time and space scales. Water masses, circulation, currents, eddies, waves, microstructure, and turbulence. The implication of physical oceanography for interdisciplinary research, including climate and biogeochemical cycles and ecosystems.

Note: Expected to be given in 2003–04.

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 10 or 7, and Mathematics 1.

Earth and Planetary Sciences 137. Biogeochemistry

Catalog Number: 1923

Ann Pearson

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

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.

Prerequisite: Chemistry 10 or equivalent. Chemistry 17/27 strongly recommended.

[Earth and Planetary Sciences 140. Geochemical and Cosmochemical Thermodynamics]

Catalog Number: 1960

Stein B. Jacobsen

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

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: Expected to be given in 2003–04. Given in alternate years.

Prerequisite: Chemistry 10 or equivalent; Mathematics 21a or Applied Mathematics 21a (may be taken concurrently).

Earth and Planetary Sciences 141. Isotope and Trace Element Geochemistry and Geochronology

Catalog Number: 7724

Stein B. Jacobsen

Half course (fall term). F., 1–2:30, M., 2:30–4. EXAM GROUP: 6, 7

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: Given in alternate years.

Prerequisite: Chemistry 10 or equivalent; EPS 6 or 7 or equivalent (recommended).



Earth and Planetary Sciences 150 (formerly Earth and Planetary Sciences 50). Planetary Materials and Geochemistry

Catalog Number: 4726

Stein B. Jacobsen

Half course (spring term). M., W., 1–2:30, plus three hours per week of laboratory. EXAM GROUP: 6, 7

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 Chemistry 10, or permission of instructor.

Earth and Planetary Sciences 161. Global Tectonics

Catalog Number: 1854

Richard J. O'Connell

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

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 omitted in 2003–04. Given in alternate years.

Prerequisite: One basic earth science course (e.g., EPS 7 or Science A-24) or permission of instructor. *Recommended:* Applied Mathematics or Mathematics 21, Physics 11a or 15a.

[Earth and Planetary Sciences 166. Introduction to Seismology]

Catalog Number: 1540

Adam M. Dziewonski

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

Causes, occurrence, and properties of earthquakes. Earthquakes and tectonics, seismic risk, volcanic eruptions. Propagation of seismic waves, physical properties of the Earth's crust, core, and mantle. Seismographs and interpretation of recordings of earthquakes. Some aspects of the required mathematical methods (e.g., Fourier transform) are explained.

Note: Expected to be given in 2003–04. Given in alternate years.

Prerequisite: Mathematics 21a and 21b or Applied Mathematics 21a and 21b (may be taken concurrently).

Earth and Planetary Sciences 167. Applied Geophysics

Catalog Number: 5143

Adam M. Dziewonski

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

Geophysical methods used to prospect for oil and minerals and to address environmental



problems such as ground water level, radioactive waste storage, estimation of seismic risk. Theory, instrumentation and interpretation of seismic, gravity, electrical and electromagnetic methods.

Note: Expected to be omitted in 2003–04. Given in alternate years.

Prerequisite: Mathematics 21a and 21b or Applied Mathematics 21a and 21b. Some of the required mathematical tools are explained during the course.

[Earth and Planetary Sciences 171 (formerly Earth and Planetary Sciences 71). Structural Geology and Tectonics]

Catalog Number: 0319

John H. Shaw

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

An introduction to deformation of Earth materials, including mountain building and plate tectonics, faulting and earthquakes, folding, and ductile deformation. Forces acting on rocks and resultant strains will be examined for a variety of pressure and temperature conditions. Rock fracture and faulting will be studied through numerical approaches, analog experiments, geologic maps, and cross sections. Ductile deformation mechanisms will be examined through microscopic investigation of rock fabrics. Labs will introduce modern applications of structural geology to the energy and environmental industries and for assessing earthquake hazards by using balanced cross sections, seismic reflection data, and satellite imagery.

Note: Expected to be given in 2003–04. 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). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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: 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 and Richard K. Bambach (Virginia Polytechnic Institute and State University)

Half course (spring term). Tu., Th., 10–11:30 and a weekly 2 hour lab to be arranged. EXAM GROUP: 12, 13

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.

Prerequisite: Either Science B-16, Biological Sciences 51 (formerly Biological Sciences 2), or permission of instructor.



Cross-listed Courses

Anthropology 166. Archaeological Science

[Biology 107. Evolution of Plant Life in Geologic Time]

Biology 118. Biological Oceanography

Engineering Sciences 123. Introduction to Fluid Mechanics

Engineering Sciences 162. Hydrology

Engineering Sciences 165. Introduction to Environmental Engineering

[Engineering Sciences 167. Environmental Assessment]

[Engineering Sciences 168. Aquatic Chemistry]

Primarily for Graduates

Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics

Catalog Number: 2675

James G. Anderson and Daniel J. Jacob

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

Chemistry and physics of the atmosphere. Thermodynamics, kinetics and photochemistry in the atmosphere; stratospheric and tropospheric chemistry, and pollution. Fundamentals of radiative transfer and simple models of the influence of trace gases on Earth's climate.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11 or 15, and Chemistry 10, or more advanced courses; or permission of the instructors.

Earth and Planetary Sciences 201. Physics of the Earth's Interior

Catalog Number: 4004

Richard J. O'Connell

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

The properties and processes of the solid Earth: Continuum mechanics; structure and state of the Earth's interior; gravity and the geoid; viscous creep and mantle flow; rotational dynamics; heat transport and mantle convection.

Prerequisite: Applied Mathematics 105a and 105b, Physics 15 or equivalent. Preparation should be discussed with the instructor.

[Earth and Planetary Sciences 202. Introduction to the Dynamics of Atmospheres and Oceans]

Catalog Number: 2624

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

Conceptual, dynamical and observational bases of the geophysical fluid dynamics of the atmosphere and the ocean. Waves, instabilities and turbulence in rotating stratified fluids.

Potential vorticity, quasigeostrophic dynamics, weather and eddies. The general circulations of the atmosphere, the ocean and the coupled air-sea climate system.



Note: Expected to be given in 2003–04.

Prerequisite: Applied Mathematics 105b, Physics 11 or 15, or equivalent.

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 omitted in 2003–04.

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). Hours to be arranged.

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: Expected to be given in 2003–04. 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: Expected to be given in 2003–04. Given in alternate years.

Earth and Planetary Sciences 221. Topics in Environmental Microbiology

Catalog Number: 7183

Ralph Mitchell

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

Discussion of current research on environmental microbiology. Bioremediation of hazardous chemicals. New approaches to pest control. Ecological disturbances and emergent new diseases. The fate of genetically engineered microorganisms. Indicators of water-borne disease.

Prerequisite: An introductory biology course.

[*Earth and Planetary Sciences 231. Physical and Dynamical Oceanography]

Catalog Number: 6492

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

Theory and observation of the general ocean circulation and its variabilities; the fields of temperature, salinity, and density of the ocean; relationship to intermediate and small scale



transient and turbulent processes. Topics in interdisciplinary dynamics of the sea.

Note: Expected to be given in 2003–04.

Prerequisite: Applied Mathematics 105b or permission of instructor; should ordinarily be taken after EPS 202.

Earth and Planetary Sciences 232. Dynamic Meteorology

Catalog Number: 5344

Brian F. Farrell

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

The atmosphere understood as a fluid dynamical system. Observations of atmospheric motions related to weather and climate. Application of the equations of atmospheric dynamics to explaining phenomena such as jet streams, cyclones and fronts.

Prerequisite: Applied Mathematics 105b or permission of instructor.

Earth and Planetary Sciences 236. Environmental Modeling and Analysis

Catalog Number: 7250

Steven C. Wofsy and Daniel J. Jacob

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

Introduction to atmospheric and biogeochemical modeling and analysis. Atmospheric chemistry modeling: Eulerian and Lagrangian frameworks, forward model algorithms, inverse methods, data assimilation. Analysis of environmental data sets: data visualization, time series analysis, Monte Carlo methods, statistical assessment data and models. Class focuses on in-depth student 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 10, or more advanced courses; or permission of the instructors.

[Earth and Planetary Sciences 238. Spectroscopy and Radiative Transfer of Atmospheres]

Catalog Number: 1891

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

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: Expected to be given in 2003–04.

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 omitted in 2003–04. Applied Mathematics 105a,b are recommended. Given in alternate years.

Prerequisite: EPS 140, Mathematics 21a,b or Applied Mathematics 21a, b.

[Earth and Planetary Sciences 241. Isotope Geochemistry and the Evolution of the Earth's Interior]

Catalog Number: 1680

Stein B. Jacobsen

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

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: Expected to be given in 2003–04. Given in alternate years.

Earth and Planetary Sciences 242. Biogeochemistry of Light Stable Isotopes

Catalog Number: 8808 Enrollment: Limited to 10.

Ann Pearson and Daniel P. Schrag

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

Introduction to the theory and methodology of stable isotope biogeochemistry. Topics include isotope ratio mass spectrometry, biological fractionation of carbon and nitrogen isotopes, distribution of isotopes in terrestrial and marine ecosystems, applications to climate reconstruction, and multiple stable isotope techniques. Laboratory sessions provide an introduction to analytical methods and include an independent research project.

Note: Given in alternate years.

Earth and Planetary Sciences 260. Topics in Geophysics: The Core-Mantle Boundary

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: 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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Elastic radiation from faults in relation to source dynamics. Quantification of earthquakes; source parameters and scaling laws. Dynamic fracture theory. Friction laws; effective stress. State of stress in Earth's crust. Strength and rheology of faults. Earthquake instability and rupture propagation models. Spatio-temporal complexity of seismic response. Seismotectonics. Stressing and seismicity in the earthquake cycle. Seismicity rate changes and hazard modification due to



nearby earthquakes.

Note: Expected to be omitted in 2003–04.

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, focused on Earth's magnetic field. Topics: observations of Earth's and other planets' magnetic fields and field mapping at core boundary; determination of core radius and fluid flow within core; core structure and dynamics; core energetics; rotation and convection; core magnetohydrodynamics and magnetic field generation; kinematic and dynamic dynamo theory.

Prerequisite: Applied Mathematics 105a,b, Physics 153 or equivalent, or permission of instructor.

[Earth and Planetary Sciences 265r. Topics in Geodynamics]

Catalog Number: 0816

Richard J. O'Connell

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

Topics in the dynamics of processes and properties in the Earth's interior, including: thermal convection and flow in the mantle, rheology of the mantle, plate motions, plate deformation, physical properties of rocks and minerals.

Note: Expected to be given in 2003–04.

[Earth and Planetary Sciences 266r. Topics in Seismology: Earth Structure]

Catalog Number: 2895

Adam M. Dziewonski

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

Topics in seismology related to investigation of the elastic and anelastic structure of the deep interior of the Earth using normal modes, surface waves, and body waves. Theory, observation, and interpretation. Emphasis on 3-D seismic tomography. Topics vary from year to year.

Note: Expected to be given in 2003–04.

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: 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: Expected to be given in 2003–04. Given in alternate years.

Prerequisite: EPS 166, or equivalent.

**[Earth and Planetary Sciences 270r (formerly Earth and Planetary Sciences 270).
Structural Interpretation of Seismic Data]**

Catalog Number: 8230

John H. Shaw

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

Methods of interpreting complex geologic structures imaged in 2 and 3-dimensional seismic reflection data. Emphasis is placed on defining regional structural styles in extensional basins, fold-and-thrust belts, and strike-slip systems. Methods of integrated surface geology, well logs, and remote sensing data into structural interpretation will be described. Students will work on independent projects analyzing seismic grids and 3D volumes.

Note: Expected to be given in 2003–04. Given in alternate years.

Prerequisite: EPS 171 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.

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: Expected to be omitted in 2003–04. Given in alternate years.

Prerequisite: EPS 171 or equivalent. Intended for graduate and advanced undergraduate students involved in structural geology search.



[Earth and Planetary Sciences 281r (formerly Earth and Planetary Sciences 281). Snowball Earth Phenomena]

Catalog Number: 2474

Paul F. Hoffman and Daniel P. Schrag

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

Theory and observations pertaining to the snowball earth hypothesis, including climate models, paleomagnetic constraints, sedimentological phenomena, geochemical perturbations, isotopic anomalies, and biological implications. Snowball events in Earth history and their spatial and temporal variability. Strengths and weaknesses of existing explanations, alternative hypotheses, and testable predictions. Evolution of the hypothesis and reactions to it, as an example of how scientists respond to radical ideas.

Note: Expected to be given in 2003–04.

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.

Cross-listed courses

[Biology 208. Issues in Paleobiology: Seminar]

Graduate Courses of Reading and Research

***Earth and Planetary Sciences 330. Kinetics and Photochemistry of Planetary Atmospheres**

Catalog Number: 3810

James G. Anderson 6057

***Earth and Planetary Sciences 331. Atmospheric Chemistry**

Catalog Number: 4038

Daniel J. Jacob 1781

***Earth and Planetary Sciences 332. Dynamic Meteorology**

Catalog Number: 2802

Brian F. Farrell 7628 (on leave spring term)

***Earth and Planetary Sciences 333. Atmospheric Chemistry: Research Seminar**

Catalog Number: 1510

Daniel J. Jacob 1781 and members of the Department



***Earth and Planetary Sciences 334. Atmospheric Physics and Chemistry**

Catalog Number: 4886

Michael B. McElroy 2462

***Earth and Planetary Sciences 335. Physical and Dynamical Oceanography**

Catalog Number: 3095

Allan R. Robinson 2133

***Earth and Planetary Sciences 337. Biological Oceanography**

Catalog Number: 5704

James J. McCarthy 4343

***Earth and Planetary Sciences 338. Atmospheric Chemistry**

Catalog Number: 7596

Steven C. Wofsy 4396

***Earth and Planetary Sciences 339. Biogeochemistry**

Catalog Number: 9843

Ann Pearson 4224

***Earth and Planetary Sciences 340. Topics in Isotope Geochemistry: Research Seminar**

Catalog Number: 2881

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 341. Isotope Geochemistry**

Catalog Number: 7103

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 344. Topics in Stable Isotope Geochemistry and Geochemical Oceanography**

Catalog Number: 6291

Daniel P. Schrag 3054

***Earth and Planetary Sciences 362. Dynamo Theory: Research Seminar**

Catalog Number: 1840

Jeremy Bloxham 2047

***Earth and Planetary Sciences 363. Tectonophysics: Geomechanics, Earthquake Source Physics**

Catalog Number: 8664

James R. Rice 7270 (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

***Earth and Planetary Sciences 367. Seismology**

Catalog Number: 4447

Adam M. Dziewonski 3641

***Earth and Planetary Sciences 368. Seismology**

Catalog Number: 4932

Göran Ekström 2682

***Earth and Planetary Sciences 370. Structural Analysis**

Catalog Number: 9046

John H. Shaw 3699

***Earth and Planetary Sciences 380. Precambrian Geology**

Catalog Number: 1161

Paul F. Hoffman 1507

***Earth and Planetary Sciences 385. Analytical Paleontology**

Catalog Number: 8129

Charles R. Marshall 2823

***Earth and Planetary Sciences 387. Paleobotany**

Catalog Number: 6983

Andrew H. Knoll 7425

East Asian Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of East Asian Languages and Civilizations

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations (*Chair*)

Mikael Adolphson, Assistant Professor of Japanese History

Irene Tilenius Bloom, Visiting Professor of Chinese Philosophy

Peter K. Bol, Harvard College Professor and Charles H. Carswell Professor of East Asian Languages and Civilizations (*on leave 2002-03*)



Harold Bolitho, Professor of Japanese History
James Evert 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
Kirk Alexander Denton, Visiting Associate Professor of Chinese Literature (*The Ohio State University*)
Carter J. Eckert, Professor of Korean History
Yu Feng, Preceptor in Chinese
Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies
Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*on leave 2002-03*)
Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave spring term*)
Wenze Hu, Preceptor in Chinese
Hui-Yen Huang, Preceptor in Chinese
Jiha Hwang, Preceptor in Korean (*Director of the Korean Language Program*)
Wilt Lukas Idema, Professor of Chinese Literature
Satoru Ishikawa, Preceptor in Japanese
Wesley M. Jacobsen, Professor of the Practice of the Japanese Language (*Director of the Japanese Language Program*)
Yuko K. Kageyama-Hunt, Preceptor in Japanese
Adam L. Kern, Assistant Professor of Japanese Literature
Sun Joo Kim, Assistant Professor of Korean History
David R. Knechtges, Visiting Professor of Chinese Literature (*University of Washington*)
Leo Ou-Fan Lee, Professor of Chinese Literature
Aimin Li, Preceptor in Chinese (*Acting Director of the Chinese Language Program*)
Bozhong Li, Visiting Professor of Chinese Economic History (*Tsinghua University*)
Chin-An Li, Preceptor in Taiwanese
Wai-ye Li, Professor of Chinese Literature (*on leave 2002-03*)
Yuehua Liu, Preceptor in Chinese
Felicity Anne Lufkin, Lecturer on East Asian Languages and Civilizations
Satomi Matsumura, Senior Preceptor in Japanese
David McCann, Korea Foundation Professor of Korean Literature (*Head Tutor*)
Itsuko Nakamura, Preceptor in Japanese
Binh Ngo, Preceptor in Vietnamese (*Director of the Vietnamese Language Program*)
Yori Oda, Senior Preceptor in Japanese
Sang-suk Oh, Preceptor in Korean
Stephen Owen, Associate of Adams House, James Bryant Conant University Professor (*on leave 2002-03*)
Xiaofei Tian Owen, Preceptor in Chinese
Michael James Puett, Professor of Chinese History
Paul Rouzer, Preceptor in Literary Chinese
Jay Rubin, Takashima Professor of Japanese Humanities
Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies (*on leave spring term*)



Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
Ban Wang, Visiting Associate Professor of East Asian Languages and Comparative Literature
(*Rutgers University*)
Xuedong Wang, Preceptor in Chinese
Endymion Porter Wilkinson, Lecturer on East Asian Languages and Civilizations

Other Faculty Offering Instruction in East Asian Languages and Civilizations

Albert M. Craig, Harvard-Yenching Research Professor of History
Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*on leave fall term*)
Patrick D. Hanan, Victor S. Thomas Research Professor of Chinese Literature

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 (*on leave 2002-03*)
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, John King and Wilma Cannon Fairbank Professor of Chinese Society

Courses listed under the Department of East Asian Languages and Civilizations begin with department tutorials and then are grouped by area: China, Japan, Korea, Manchu, Mongolia, Tibet, and Vietnam. Each area is divided into language, history, and literature courses, then “Graduate Courses of Reading and Research,” and concludes with cross-listings from other departments. Please note that courses under each heading are categorized as either “For Undergraduates and Graduates” or “Primarily for Graduates.”

The concentration draws upon faculty working on East Asian topics from the Department of East Asian Languages and Civilizations and from other departments. It offers both a humanities track, in which the history, literature, philosophy, and religion of premodern and modern times are studied, and a social science track, stressing approaches to modern East Asia drawn from the social science disciplines. For further information about the merger and requirements, contact the main office of Asian Studies located at 9 Kirkland Place.

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

East Asian Studies

Primarily for Undergraduates

[*East Asian Studies 91r. Supervised Reading and Research](#)

Catalog Number: 0961



David McCann and members of the Department

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

Note: Open to students who have given evidence of ability to do independent reading and research. May be taken on an individual basis or by small groups of students interested in working on the same topic. Permission of the EAS Head Tutor required.

***East Asian Studies 97r. Tutorial — Sophomore Year**

Catalog Number: 0306

Michael James Puett (fall term), Helen Hardacre (spring term) and members of the Department

Half course (fall term; repeated spring term). Fall: Tu., 2–3:30; Spring: Tu., 1–2:30.

Note: Required of sophomore concentrators.

***East Asian Studies 98r. Tutorial — Junior Year**

Catalog Number: 0342

David McCann and members of the Department

Half course (fall term; repeated spring term). Fall: W., 4–5:15, Th., 4–6; Spring: W., 4–5:15.

EXAM GROUP: Fall: 9, 18; Spring: 9

Note: Required of junior concentrators. Divided into sections specializing in China, Japan, Korea, and Vietnam.

***East Asian Studies 99. Tutorial — Senior Year**

Catalog Number: 0384

David McCann and members of the Department

Full course. Hours to be arranged.

Thesis guidance under faculty direction.

Cross-Listed Courses

***Freshman Seminar 35e. Popular Chinese Prints in the 19th and 20th Centuries**

For Undergraduates and Graduates

[East Asian Studies 120. Visual Culture in 20th Century China: Popular Genres and the Ideal of Popular Art]

Catalog Number: 6415

Felicity Anne Lufkin

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

This course will look at three popular, commercially successful visual genres, all of which have figured in ongoing debates over the nature and potential of popular art in 20th century China—woodcut-printed “New Year pictures,” mechanically-produced “calendar pictures,” and the comic-like “serial picture books”—as well as the self-consciously modern New Print Movement. The course will trace the debates that connected these art forms from the first half of the century through the first decades of the P.R.C.

Note: Expected to be given in 2003–04.



[East Asian Studies 125. Chinese Visual Culture: The Woodcut Popular Print]

Catalog Number: 5829

Felicity Anne Lufkin

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

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. This class will look the ways that 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.

Note: Expected to be given in 2003–04.

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 Anne Lufkin

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

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 will examine how exhibitions have linked art and Chinese national identity, drawing on recent theoretical work on the practice of exhibition.

Note: Discussions and readings in English.

Primarily for Graduates

East Asian Studies 211. Historical Theory and Methods

Catalog Number: 3088

Michael James Puett

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

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

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

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, well 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 omitted in 2003–04. Offered jointly by the Divinity School as 3560.

East Asian Buddhist Studies 115. Buddhist Meditation Traditions

Catalog Number: 6958

Robert M. Gimello

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

Focusing particularly on Buddhism in East Asia, and relying chiefly on English translations of primary canonical and paracanonical sources, this course will examine a variety of specific meditation curricula while also posing theoretical questions about the relationship between meditation and Buddhist doctrine, the value of meditation in the moral lives of Buddhist individuals and communities, the influence of meditation upon Buddhist art, the connection between meditation and Buddhist ritual, etc.

Note: Expected to be omitted in 2003–04. Offered jointly by the Divinity School as 3561.

[East Asian Buddhist Studies 116a. Buddhism in East Asia: I-VII Century]

Catalog Number: 9937

Robert M. Gimello

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

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: Expected to be given in 2003–04. Offered jointly with Divinity School as 3521.

[East Asian Buddhist Studies 116b. Buddhism in East Asia: VIII-XVI Century]

Catalog Number: 9214

Robert M. Gimello

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

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: Expected to be given in 2003–04. Offered by the Divinity School as 3526.

[East Asian Buddhist Studies 120. Buddhist Apologetics in East Asia]

Catalog Number: 0692

Robert M. Gimello

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

A treatment of the process by which Buddhism in China, Korea, and Japan came to define itself either over and against other religious and intellectual traditions like Confucianism, Daoism, and Shintō or in ecumenical relation to them. Historical examples of Buddhism's response to other traditions will be considered in light of modern theories of inter-religious dialogue.

Note: Expected to be given in 2003–04. Expected to be given in 2003–04. Offered jointly with the Divinity School as 3524.

Primarily for Graduates



East Asian Buddhist Studies 210r. Topics in East Asian Buddhism

Catalog Number: 7624

Robert M. Gimello

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

Examination of various themes and issues in the history of medieval and early modern Chinese, Korean, and/or Japanese Buddhism. The subject this year will be the formation and early history of Huayan Buddhism.

Prerequisite: A reading knowledge of classical Chinese is required.

East Asian Buddhist Studies 220. Pilgrimage and Sacred Sites in China

Catalog Number: 8720

Robert M. Gimello

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

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 omitted in 2003–04.

[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. We will examine 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 2003–04. Offered jointly by the Divinity School as 3563.

Graduate Course

***East Asian Buddhist Studies 300. Reading and Research**

Catalog Number: 9811

Robert M. Gimello 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 2nd year Chinese.

Chinese Ba. Elementary Modern Chinese

Catalog Number: 4375

Pei-chia Chen and Aimin Li

Half course (fall term). Sections Tu., Th., 9, 10, 11, 1, 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 permitted. May not be taken Pass/Fail.

Chinese Bb. Elementary Modern Chinese

Catalog Number: 8714

Pei-Chia Chen and Aimin Li

Half course (spring term). Sections Tu., Th., 9, 10, 11, or 2; and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese Ba.

Note: No auditors permitted. May not be taken pass/fail.

Prerequisite: Chinese Ba or equivalent.

Chinese Bx. Elementary Chinese for Advanced Beginners

Catalog Number: 7066

Hui-Yen Huang

Half course (fall term). Sections M. through F. at 10 or 2. EXAM GROUP: 3

For students with significant listening and speaking background. Introductory Modern Chinese language course, with emphasis on reading and writing. Covers in one semester the equivalent of Chinese Ba and Bb.

Note: No auditors permitted. May not be taken Pass/Fail. Students must pass a test in listening and speaking to take the course.

[Chinese 100. Mandarin Pronunciation and Grammar for Speakers of Cantonese Dialects]

Catalog Number: 7291

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

An introduction to modern Chinese pronunciation. Offering a systematic contrast and comparison between the sound and syntactic systems of the two dialects, for students who are native speakers of Cantonese and have a strong background in reading. Those who wish to continue will be prepared for Chinese 113b, Advanced Conversational Chinese.

Note: Expected to be given in 2003–04.

Chinese 101a. Intermediate Modern Chinese

Catalog Number: 4283

Xuedong Wang

Half course (fall term). Sections Tu., Th., at 10, 11, or 2, and three additional hours to be



arranged. EXAM GROUP: 12

Modern texts, conversation, reading, and composition.

Prerequisite: Chinese Bb or equivalent.

Chinese 101b. Intermediate Modern Chinese

Catalog Number: 1702

Xuedong Wang

Half course (spring term). Sections Tu., Th., at 10, 11, or 2, and drill sections M., W., F., at 9, 10 or 2. EXAM GROUP: 12

Continuation of Chinese 101a.

Chinese 101x. Intermediate Modern Chinese for Advanced Beginners

Catalog Number: 7034

Hui-Yen Huang

Half course (spring term). Sections M. through F. at 10 or 2. EXAM GROUP: 3, 12

Continuation of Chinese Bx. Covers in one semester the equivalent of Chinese 101a and 101b.

Chinese 102ab. Intensive Intermediate Modern Standard Chinese

Catalog Number: 0977

Wenze Hu

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

Continuation of Chinese Aab.

Note: Satisfies prerequisite for 3rd year Chinese.

Prerequisite: Chinese Aab, or Ba and Bb, or equivalent.

Chinese 105a. Advanced Modern Chinese

Catalog Number: 6724

Yu Feng

Half course (fall term). Sections M., W., F., at 10, 11, or 2, and three 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

Yu Feng

Half course (spring term). Sections M., W., at 10, 11, or 2, and three 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

Aimin Li and staff

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

Nonintensive introduction to Cantonese dialect. Emphasizes basic pronunciation and colloquial usage.

Note: Expected to be given in 2003–04. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin.

[Chinese 108b. Cantonese]

Catalog Number: 0831

Aimin Li and staff.

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

Continuation of Chinese 108a.

Note: Expected to be given in 2003–04. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin and Chinese 108a or equivalent.

Chinese 110a. Advanced Readings in Modern Chinese

Catalog Number: 1945

Yuehua Liu

Half course (fall term). Sections M., W., F., at 9, 1, or 2, and additional hours to be arranged.

EXAM GROUP: 2

Rapid reading of selections from books and articles.

Note: Conducted in Chinese.

Prerequisite: Chinese 105b.

Chinese 110b. Advanced Readings in Modern Chinese

Catalog Number: 6844

Yuehua Liu

Half course (spring term). Sections M., W., F., at 9, or 1, and 2 additional hours to be arranged.

EXAM GROUP: 2

Continuation of Chinese 110a.

Chinese 111r. Readings in Modern Chinese Literature and Culture

Catalog Number: 7049

Xiaofei Tian Owen

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

This year's topic will be modern Chinese prose and poetry of the period 1919-1949.

Note: Conducted entirely in Chinese.

Prerequisite: At least three years of Mandarin or equivalent (with instructor's permission).

Chinese 113a. Advanced Conversational Chinese

Catalog Number: 3900

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 100, 113a, or equivalent.

Chinese 115a. Beginning Taiwanese (Southern Min) Conversation

Catalog Number: 2299

Chin-An Li and staff

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

Non-intensive introduction to Taiwanese (Minnan dialect). Emphasizes basic pronunciation and colloquial usage.

Note: Primarily intended for non-native speakers. No auditors permitted.

Chinese 115b. Beginning Taiwanese (Southern Min) Conversation

Catalog Number: 5696

Chin-An Li and staff

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

Continuation of Chinese 115a.

Note: Primarily intended for non-native speakers. No auditors permitted.

Prerequisite: Chinese 115a or permission of the instructor.

Chinese 116a. Intermediate Taiwanese (Southern Min) Conversation

Catalog Number: 8491

Chin-An Li

Half course (fall term). Tu., F., 1–2:30. EXAM GROUP: 12, 13

Note: No auditors.

Prerequisite: Continuation of Chinese 115b or equivalent.

Chinese 116b. Intermediate Taiwanese (Southern Min) Conversation

Catalog Number: 2565

Chin-An Li

Half course (spring term). W., 2–3:30, M., 3–4:30. EXAM GROUP: 6, 7

Note: No auditors permitted.

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. EXAM GROUP: 7, 8, 9

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). M., W., F., at 1. EXAM GROUP: 6

Note: 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 9, and two additional hours to be arranged. EXAM GROUP: 2

Designed for students interested in international business or for students who intend to work or travel for business in Chinese-speaking communities (including China, Taiwan, Hong Kong, and Singapore), or for students who desire to improve their Chinese language proficiency. An introduction to business and economic climates, practices and customs of these communities. Students learn specialized business and economic vocabulary and the principles of business correspondence.

Note: Conducted in Chinese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: At least three years of Modern Chinese or equivalent (with instructor's permission).

[Chinese 183. Being Chinese: Contemporary Cultural Debates]

Catalog Number: 5179

Xiaofei Tian Owen

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

Designed for both undergraduate and graduate students; explores a series of heated contemporary cultural debates in China that are all concerned with the "Chinese identity" and the notion of "greater cultural China" in the age of globalization. Readings draw on essays, critical writings, and movie reviews published in current Chinese literary and cultural journals as well as on the Chinese Internet. In relation to the readings the students will also watch relevant Chinese movies from the 1980s-1990s.

Note: Expected to be given in 2003–04. Class conducted in Chinese.

Prerequisite: Four years of Mandarin or equivalent (with instructor's permission).

Chinese 187. Art and Violence in the Cultural Revolution

Catalog Number: 1253

Xiaofei Tian Owen

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

This course examines the profound cultural implications of the Cultural Revolution (1966-1976) by asking how art was violent towards people and how violence was turned into an art. The



course will consider fiction, essays, drama, and movies produced during this period as well as about this period.

Note: Conducted entirely in Chinese.

Prerequisite: At least three years of Mandarin or equivalent (with instructor's permission).

Chinese 189. Readings in Chinese Social Sciences: Being Chinese

Catalog Number: 1025

Xiaofei Tian Owen

Half course (fall term). Tu., Th., at 1, and one additional hour to be arranged. EXAM GROUP: 15

We will read a series of texts in Chinese social sciences and approach the problem of "being Chinese" from the perspective of the social sciences.

Note: Conducted entirely in Chinese

Prerequisite: At least three years of Mandarin or equivalent (with instructor's permission).

Primarily for Graduates

Chinese 215r (formerly Chinese 215). Literary and Cultural Discourse in Premodern China

Catalog Number: 8043

Xiaofei Tian Owen

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

This year's topic will be the 16th century novel *Jinpingmei*, a masterpiece of classical Chinese fiction.

Note: Conducted entirely in Chinese.

Prerequisite: At least three years of Mandarin or equivalent; one year of Literary Chinese or equivalent (with instructor's permission).

Chinese Linguistics 200. Introduction to Teaching of Modern Chinese Language

Catalog Number: 5108

Aimin Li

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

Introduction to theoretical and practical aspects of teaching Modern Standard Chinese as a second language at the college level. Includes review of concepts and publications relating to recent trends in second language teaching, examination and discussion of specific pedagogical issues and materials concerned with teaching Modern Standard Chinese, and observation of class teaching.

Literary Chinese Courses

Chinese 106a. Introduction to Literary Chinese

Catalog Number: 1185

Paul Rouzer

Half course (fall term). Section I: M., W., F., at 11; Section II: Tu., Th., 10–11:30. EXAM GROUP: 4

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: Tu., Th., 10–11:30. EXAM GROUP: 4

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. FALL: *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 M., W., F., at 12. EXAM GROUP: 3, 5

Continuation of 107a; emphasis on poetry and lyric (*shi ci*), parallel prose (*pian ti wen*), and rhapsody (*fu*).

Prerequisite: Chinese 107a or equivalent.

China: History Courses

For Undergraduates and Graduates

[Chinese History 111. Introduction to Chinese History: Pre-Imperial and Imperial China, ca. 1700 B.C.–A.D. 755]

Catalog Number: 7133

Michael James Puett

Half course (spring term). 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 2004–05. No prior course work in Chinese history is presupposed.

[Chinese History 116a. Intellectual History of China to the Mid T'ang Dynasty]

Catalog Number: 1057

Michael James Puett

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



A survey of Chinese intellectual history from antiquity to the end of the T'ang dynasty.

Note: Expected to be given in 2003–04. No prior coursework in Chinese history is presumed.

[Chinese History 116c. Modern Chinese Intellectual History]

Catalog Number: 7223

Wei-Ming Tu

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

Explores the important themes and diverse idioms of critical thinking in China's modern transformation. The course emphasizes the interplay between iconoclastic attacks on the tradition and the enduring habits of the heart in debates on Westernization and modernization. Issues to be discussed include the impact of the Enlightenment mentality, the rise of Maoism, and the possibility of a "third epoch" of Confucian humanism.

Note: Expected to be given in 2003–04.

[Chinese History 118. History of Relations between China and Inner Asia II]

Catalog Number: 3074

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

A continuation of Chinese 117. Examines the political, military, economic, and social aspects of the relationship between China and Inner Asia from the 13th to the 20th century.

Note: Expected to be given in 2003–04. Some knowledge of Chinese is recommended but not required. Previous enrollment in Chinese History 117 is not a prerequisite.

Chinese History 140. The Socio-economic History of Imperial China

Catalog Number: 6709

Bozhong Li (Tsinghua University)

Half course (spring term). Tu., Th., 10–11:30 and one additional hour to be arranged. EXAM GROUP: 12, 13

Introduction to the socio-economic history of imperial China. Imperial China was the largest and most enduring of all societies and economies on earth during the two millennia before the nineteenth century. Its history has direct bearing on world history and illuminates patterns of contemporary Chinese socio-economic development.

Note: All readings will be in English.

Cross-listed Courses

Foreign Cultures 48. The Cultural Revolution

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

Historical Study A-13. China: Traditions and Transformations

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

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

[History 1831. China's Partners: Conference Course]

History of Science 103. Chinese Medical History

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



Primarily for Graduates

Chinese History 211. Research on Chinese History and Civilization: Tools and Methods

Catalog Number: 4895

Endymion Porter Wilkinson

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

Introduction to issues relating to Chinese written, artefactual, and oral evidence, including the most efficient ways of navigating such sources using the best and most up-to-date tools in Chinese, Japanese, and Western languages.

Note: A working knowledge of Chinese (and Japanese) is desirable.

[Chinese History 224. Introduction to T'ang and Sung Historical Sources]

Catalog Number: 0673

Peter K. Bol

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

Introduction to the reading and interpretation of sources useful in the study of T'ang and Sung history. Recent scholarship and methodological issues are also discussed.

Note: Expected to be given in 2003–04.

Prerequisite: One year of literary Chinese or the equivalent.

[Chinese History 226. Introduction to Sources for Local History]

Catalog Number: 7114

Peter K. Bol

Half course (fall term). 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 2003–04.

Prerequisite: One year of literary Chinese or the equivalent.

[Chinese History 227r (formerly Chinese History 227z). Topics in Middle-Period Sociocultural History: Seminar]

Catalog Number: 7132

Peter K. Bol

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

Examines changes in Chinese society and culture from the Southern Sung period into the mid-Ming period through case studies in local history.

Note: Expected to be given in 2003–04.

Prerequisite: Knowledge of literary Chinese.

Chinese History 228. Introduction to Neo-Confucianism

Catalog Number: 2130

Irene Tilenius Bloom

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

Introduces major Neo-Confucian texts for close reading and analysis. Selections from the



writings and records of spoken instruction by Zhou Dunyi, Chang Zai, Cheng Yi, Cheng Hao, Zhu Xi, Liu Jiuyuan and others.

Chinese History 232. Topics in Han History

Catalog Number: 7542

Michael James Puett

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

Examines various topics in the history of the Han Dynasty.

[Chinese History 233. Sources for Early Chinese History]

Catalog Number: 9387

Michael James Puett

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

Chronological survey of recently-discovered paleographic texts and received materials from the late Shang through the early Warring States period, with discussion of problems of contextualization.

Note: Expected to be given in 2003–04.

[Chinese History 234. The Historiography of Early Chinese History]

Catalog Number: 8694

Michael James Puett

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

A study of major trends in the history of scholarship on early China. The main focus will be on 20th-century scholarship, but earlier developments will be introduced where relevant.

Note: Expected to be given in 2003–04.

[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 2004–05.

Chinese History 238. The Socio-economic History of China: “Revolution” or “Evolution”?

Catalog Number: 3007

Bozhong Li (Tsinghua University)

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

How have socio-economic changes between the 8th and 17th centuries been understood as “revolutionary” and “evolutionary”? Readings in classical and modern Chinese, primary sources in Chinese and secondary research in Japanese and English.

[Chinese History 240r. Readings in Chinese Intellectual History]

Catalog Number: 7633

Wei-Ming Tu

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

An intensive close reading of Yi T’oegye’s (1501-1570) Ten Diagrams of Sagely Learning and



selected primary sources of the so-called “Four-Seven” debates (centering on the relationship between the Four Beginnings in Mencius’ theory of the mind and the seven emotions in the Book of Rites).

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3520.

Prerequisite: Knowledge of classical Chinese is required.

[Chinese History 251. Confucian Ethics: Conference Course]

Catalog Number: 2428

Wei-Ming Tu

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

An exploration of salient features in the Confucian mode of moral reasoning.

Note: Expected to be given in 2003–04. Jointly offered with the Divinity School as 3857.

[Chinese History 260. Taoism: Conference Course]

Catalog Number: 6129

Wei-Ming Tu

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

Explores a philosophical and religious aspect of the Taoist tradition in China in a historical perspective.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as HDS 3950.

Cross-listed Courses

[Anthropology 296r. Chinese Social Anthropology: Seminar](#)

[History 2830a. Late Imperial and Modern Chinese History: Proseminar]

[*History 2831r. Research Topics in Modern Chinese History: Seminar]

[History 2847. 20th-Century China: Seminar]

[History 2848a. Introduction to Archival Research in Chinese History: 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

Kirk Alexander Denton (The Ohio State University)

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

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: All readings in English.



Chinese Literature 126. The Reconstruction of the Past in Modern Chinese Literature and Film

Catalog Number: 3245

Ban Wang (Rutgers University)

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

A reflection on how Chinese culture makes connections to its past when its traditional structure was shattered by the processes of modernization. Modernization exploded the inherited kits of meaning, value, and narrative but also gave rise to an urgent need to reconstruct individual, and communal identity—through recourse to memory and received cultural forms. We will study theories of trauma, read Chinese fiction, and view Chinese films.

Chinese Literature 127. Premodern Chinese Poetry in Translation

Catalog Number: 3141 Enrollment: Limited to 15.

David R. Knechtges (University of Washington)

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

Reading and discussion of pre-modern Chinese poetry in English.

Note: Knowledge of Chinese not required.

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

Catalog Number: 7241

Eileen Cheng-yin Chow

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

How do Chinese films between the two fin-de-siècles create the spectacle of “China” at home and abroad? Course topics include: the cinematic histories of China, Taiwan, and Hong Kong; the origins of early Chinese cinema and the larger context of 1930s Shanghai urban culture; film’s relationship to literary and pop culture discourses (music, soap opera, fanzines); aesthetic responses to historical crises (Taiwan’s 228 Incident, the Cultural Revolution, 1997 Hong Kong handover), “spectacular” violence and the martial arts genre.

Note: Expected to be given in 2003–04. 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). Hours to be arranged.

What happens at the crossroads of space and ethnicity? This seminar explores the myriad ways in which “Chinatown” has circulated as ‘memory, fantasy, narrative, myth’ in the dominant cultural imagination in the last century and a half, and how the lived realities of overseas Chinese communities, Asian American history, and changing conceptions of ‘Chineseness’ have productively engaged with these real and phantom Chinatowns. Though the emphasis of the seminar will be on cultural and theoretical issues rather than on a socio-historical study of the “Chinatown” phenomenon, participants are encouraged to pursue multi-disciplinary approaches to the subject, such as studies in urban history, architecture, ethnography, economics, or creative projects for their final projects.

Note: Expected to be given in 2003–04.


[Chinese Literature 150. Diaspora and Transnationalism]

Catalog Number: 1470

Eileen Cheng-yin Chow
Half course (fall term). Hours to be arranged.

In this course we look at the way in which historical and cultural notions of nations, diasporas, and homes intersect with new economic and social arrangements that have created transnational flows of people across the globe. Readings focus on debates around nationalism, transnationalism, and cultural identity, and their relation to memory, knowledge, and narrative; the question of translated sexualities; hybrid/minority cultural formations; and the role modern mass media has played in creating transnational publics. Theoretical perspectives from Anderson, Appadurai, Bhabha, Chow, Clifford, Gilroy, Hall, Radhakrishnan, Ong, Spivak; creative texts include those by Edwige Danticat, Jhumpa Lahiri, Michael Ondaatje, Ruth Ozeki, Salman Rushdie, and selected films.

Note: Expected to be given in 2003–04.

[Chinese Literature 153. Epic Poetry, Narrative Verse, and Prosimetric Literature]

Catalog Number: 1105

Wilt Lukas Idema
Half course (fall term). Hours to be arranged.

The Chinese tradition of poetry is overwhelmingly lyrical in nature. This does not mean, however, that narrative poetry and epic dimensions are absent. Moreover, Chinese literature developed as an extremely rich body of chantable literature. Works in these genres tell their stories in an alternation of prose or verse. In this course we will look at the most important genres (bianwen, zhugongdiao, cihua, tanci, baojuan) and discuss some works in detail.

Note: Expected to be given in 2003–04.

[Chinese Literature 157. Women's Writing in Imperial China]

Catalog Number: 8022

Wilt Lukas Idema
Half course (spring term). Hours to be arranged.

In this course we will consider what kind of women in imperial times wrote what kind of literature, and the changes in these patterns over the centuries. We will not only deal with poetry by women, but also look at other genres, such as drama and verse narrative.

Note: Expected to be given in 2003–04.

[Chinese Literature 158. Passion and Duty in Chinese Drama]

Catalog Number: 8085

Wilt Lukas Idema
Half course (fall term). Hours to be arranged.

Traditional and modern Chinese literature have a rich dramatic tradition. Following a general introduction to the theater in China in its historical development, we will read (in translation) representative plays from the major dramatic genres from the 13th to the 20th century. Drawing upon existing scholarship and criticism, we will emphasize the ways in which the conflict between passion (love, revenge) and duty (filial piety, loyalty to the state) is treated in each case.

Note: Expected to be given in 2003–04.



[Chinese Literature 159. Filial Piety in Chinese Literature]

Catalog Number: 1790

Wilt Lukas Idema

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

In this course we will look at the various ways in the which filial piety has been constructed in Chinese literature, starting from the *Xiaojing* (Classic of Filial Piety) and *Ershisi xiao* (Twenty-four Examples of Filial Piety) and proceeding through traditional fiction and drama to the attacks on filial piety during the May Fourth period at the beginning of the 20th century.

Note: Expected to be given in 2003–04.

[Chinese Literature 160. Heroes and Anti-heroes in Chinese Literature: Seminar]

Catalog Number: 9930

Wai-yee Li

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

This course traces the protean transformations of heroes in Chinese literature. Marginality, dissent, and alternatives define a counter-tradition endemic to the literary representation of heroes. The entwined genealogies of heroes and anti-heroes demonstrate how conflicting value systems shape literary works. Early historical writings create heroic types by examining ideas of power and authority, success and failure. The ironic displacement and folk transformations of historical heroes bring us to the origins of Chinese fiction. We will concentrate on how liminal types, such as the knight-errant, the trickster, the frustrated scholar, the aesthete, the marginal woman, and the social outcast become dominant figures in Chinese fiction.

Note: Expected to be given in 2003–04. Expected to be omitted 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). Hours to be arranged.

An introduction to the study of pre-modern Chinese literature, its history and customs, sources and resources, and issues in research.

Note: For pre-generals graduate students. Expected to be given in 2003–04.

[Chinese Literature 201a. History of Chinese Literature: Beginnings through Song](#)

Catalog Number: 0165



David R. Knechtges (University of Washington)

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

Basic scholarly introduction to major writers, works, and literary forms through the 13th century.

Also includes bibliographical background and readings in primary texts.

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). Tu., 2–4. EXAM GROUP: 16, 17

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.

[Chinese Literature 208. Readings in Buddhist *Bianwen* and Related Dunhuang Materials]

Catalog Number: 0743

Wilt Lukas Idema and Robert M. Gimello

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

Basing ourselves on modern critical editions and photographic reproductions of the original manuscripts we will read a selection of the prosimetrical and poetical texts on Buddhist subjects that were discovered at Dunhuang and date from the Tang and Five Dynasties periods. The aim is to achieve a better understanding of the forms and topics of “popular” Buddhism at the time.

Note: Expected to be given in 2003–04.

[Chinese Literature 220. Modern Chinese Literary History: Proseminar]

Catalog Number: 2144

Leo Ou-Fan Lee

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

The historical background, scholarly sources, and analytical approaches in the study of modern Chinese literature.

Note: Expected to be given in 2003–04.

Prerequisite: Command of modern Chinese.

[Chinese Literature 222. The Long Twentieth Century: Seminar in Modern Chinese Literature]

Catalog Number: 4301

Eileen Cheng-yin Chow

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

An introductory graduate seminar on the so-called “long twentieth century” of modern Chinese literature, from the late Qing to the present, with emphasis on the urban and the popular (*tongsu*).

Note: Expected to be given in 2003–04.

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 (fall term). Hours to be arranged.

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). Hours to be arranged.

Through a broad reading of literary texts and investigations into visual practices (theatre, pictorial press, advertising, early cinema), this course explores the interactions of social context, technology, and culture in late Qing and Republican China, and asks what role material media plays in changing epistemological formations, and in the definition of the “modern” in Chinese literature. Topics: cultures of leisure and play *youxi*; theoretical and methodological issues related to the field; cultural vs. historical modes of reading and perception; canon formation and popular fiction; and what constitutes “the archive” for popular cultural studies.

Note: Expected to be given in 2003–04.

Prerequisite: Advanced command of modern Chinese; ability to read classical Chinese.

[Chinese Literature 226. *Honglou meng* (Dream of the Red Chamber): Seminar]

Catalog Number: 0229

Wai-yee Li

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

This course will be devoted to a close reading of the masterpiece of Chinese fiction, *Honglou meng*, drawing on commentary traditions and modern interpretations. We will explore how *Honglou meng* sums up and rethinks aspects of the Chinese tradition, paying special attention to various contexts of Ming-Qing literary and cultural history.

Note: Expected to be given in 2003–04.

[Chinese Literature 227. Early Chinese Historiography: Seminar]

Catalog Number: 3773

Wai-yee Li

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

We will study *Zuo zhuan* and *Shiji* and ponder early Chinese conceptions of history by examining rhetorical and narrative modes. The focus will be problems of interpretation, that is, how these texts represent the possibilities and limits of historical knowledge, the roles and functions of interpreters, and the evolution and disintegration of interpretive structures.

Note: Expected to be given in 2003–04.

Prerequisite: Reading knowledge of classical Chinese is required.

[Chinese Literature 228. Asian Modernities: An Introduction to Critical and Cultural Theories]

Catalog Number: 7357

Eileen Cheng-yin Chow

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

This course looks at the place of theory and criticism in the study of ‘Asia’ in the academy today.



We will engage in topics such as the construction of ‘literature’, literary traditions, and national cultures in a comparative context; articulations of internationalism and cosmopolitanism as counter-discourses; recent debates on nationalism and modernity, cultural studies, gender studies, translation and travel, and the proliferation of ‘post-’ studies (postmodern, post-colonial, post-ethnic) as they pertain to our research and writing.

Note: Expected to be given in 2003–04. Graduate seminar; qualified undergraduates may enroll with permission of instructor. Knowledge of one Asian literary or cultural tradition helpful.

[Chinese Literature 230. The Vernacular Short Story (*huaben xiaoshuo*); Historical and Critical Approaches]

Catalog Number: 6268

Wilt Lukas Idema

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

This course will deal with the development of the vernacular short story, focusing on Feng Menglong’s *Sanyan* (1620-1627), a compilation of 120 stories old and new. We will also have a look at the vernacular narratives of the Tang as found in Dunhuang and follow the development of the genre throughout the 17th and 18th centuries.

Note: Expected to be given in 2003–04.

[Chinese Literature 231. Late-Ming Literature and Culture]

Catalog Number: 2770

Wai-yee Li

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

The seminar will survey a range of writings from the second half of the sixteenth century until the fall of the Ming dynasty, including prose (ancient style prose and “informal essays”), poetry, drama, and fiction. We will examine various aspects of late-Ming literary-aesthetic sensibility (and question how such a category may be justified in the first place).

Note: Expected to be given in 2003–04.

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 be arranged.

In this seminar we will study representative works in early Qing literature, covering a range of genres, including prose, poetry, fiction, and drama. The focus will be on the memory and representation of the fall of the Ming dynasty in early Qing literature. We will also explore how this preoccupation merges and co-exists with other trends and developments in this period.

Note: Expected to be given in 2003–04.

Prerequisite: Reading knowledge of classical and pre-modern vernacular Chinese required.

[Chinese Literature 238. History, Memory, and Aesthetics in Modern Chinese Culture](#)

Catalog Number: 2550

Ban Wang (Rutgers University)

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

Traces mass culture’s dissolving of the historical imagination of alternatives; exploring the



tension surrounding China's coming to terms with modernity. Considers works by Benjamin, Lukacs, other critics of modernity, and Chinese writers and filmmakers.

Chinese Literature 251. Liaozhai Zhiyi: Editions and Adaptations

Catalog Number: 6657

Wilt Lukas Idema

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

Examines stories from Pu Song Ling's masterwork, focusing on development of the text. We will compare the author's handwritten copy to later manuscripts and the earliest printed versions, and examine annotated editions and adaptations.

Chinese Literature 255. Readings in Yuan Drama

Catalog Number: 3239

Wilt Lukas Idema

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

This course will focus in class on the close reading and translation of a small number of selected plays, which will illustrate the textual development of the genre.

Chinese Literature 267r. Topics in Chinese Literature: Han

Catalog Number: 8521

David R. Knechtges (University of Washington)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Readings and analysis of selected works of Han literature, with emphasis on the fu and related literary forms.

[Chinese Literature 268r. Topics in Song and Yuan Literature]

Catalog Number: 7143

Stephen Owen

Half course (spring term). Hours to be arranged.

The topic this term will be the Northern Song.

Note: Expected to be given in 2003–04.

Chinese Literature 269r. Topics in Chinese Literature: Wei, Jin, Nanbeichao

Catalog Number: 5882

David R. Knechtges (University of Washington)

Half course (spring term). F., 2–5. EXAM GROUP: 7, 8

Readings and analysis of selected works of Wei, Jin, Nanbeichao literature, with emphasis on the fu and related literary forms.

Chinese Literature 288. Lu Xun and Chinese Modernity

Catalog Number: 6514

Kirk Alexander Denton (The Ohio State University)

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8

What constitutes literary modernity? What traditional forces were at play in Lu Xun's reception of Western discourse on modernity? We'll investigate these questions, examining writings in a



variety of genres by Lu Xun.

Note: Will use texts in the original Chinese.

Cross-listed Courses

Anthropology 296r. Chinese Social Anthropology: Seminar

[Foreign Cultures 68. Authority and the Claims of the Individual in Chinese Literary Culture]

[Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community]

Graduate Courses of Reading and Research

***Chinese 300. Reading and Research**

Catalog Number: 4849

Peter K. Bol 8014 (on leave 2002-03), Eileen Cheng-yin Chow 2308, Robert M. Gimello 9240, Patrick D. Hanan 1413, Wilt Lukas Idema 2511, Philip A. Kuhn 8051, Leo Ou-Fan Lee 3299, Wai-ye Li 3357 (on leave 2002-03), Stephen Owen 7418 (on leave 2002-03), Michael James Puett 1227, Paul Rouzer 3705, Xiaofei Tian Owen 3746, Wei-Ming Tu 7233 (on leave spring term), and Endymion Porter Wilkinson 4049

Japan: Language Courses

For Undergraduates and Graduates

***Japanese Aab. Intensive Elementary Japanese**

Catalog Number: 1910

Yori Oda

Full course (fall term). M. through F., at 9, or 11. EXAM GROUP: 2, 11

Introduction to modern Japanese: listening, speaking, reading, and writing skills. Mastery of *hiragana*, *katakana*, and approximately 150 Chinese characters.

Japanese Ba. Elementary Japanese

Catalog Number: 2014

Satomi Matsumura

Half course (fall term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

Introduction to modern Japanese: listening, speaking, reading, and writing skills. Mastery of *hiragana*, *katakana*, and approximately 100 Chinese characters.

Japanese Bb. Elementary Japanese

Catalog Number: 8728

Satomi Matsumura

Half course (spring term). 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

Satoru Ishikawa

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

Satoru Ishikawa

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 102ab. Intensive Intermediate Japanese**

Catalog Number: 7228

Yori Oda

Full course (spring term). M. through F., at 9 or 11. EXAM GROUP: 2, 11

Intermediate level course aimed at the mastery of basic grammatical patterns and at consolidating previously learned patterns and vocabulary to a more sophisticated level. Aural, oral, reading, and writing skills are equally emphasized.

Prerequisite: Japanese Aab, Bb, or equivalent.

Japanese 103a. Intermediate Japanese II

Catalog Number: 4855

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

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

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 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 1. EXAM GROUP: 7

Introduction to classical grammar and texts in classical Japanese.

Prerequisite: Japanese 103b.

Japanese 106b. Kambun

Catalog Number: 2602

Edwin A. Cranston

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to *Kambun*.

Note: Expected to be omitted in 2003–04.

Prerequisite: Japanese 106a or equivalent.

[Japanese 106c. Later Classical Japanese]

Catalog Number: 7307

Edwin A. Cranston

Half course (spring term). Hours to be arranged.

Post-Heian writings in Classical Japanese.

Note: Expected to be given in 2003–04. Expected to be omitted in 2004–05.

Prerequisite: Japanese 106a 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

Wesley M. Jacobsen

Half course (fall term). M., W., F., at 9, and an additional 1 1/2 hours to be arranged. EXAM GROUP: 2

Development of skills in reading and translating academic genres of Japanese, with special attention to secondary sources authored by Japanese scholars on topics of relevance to Chinese and Korean studies. Introduction to old kana usage and classical forms commonly used in scholarly writing.

Prerequisite: Japanese 101b, and graduate standing in some field of Chinese or Korean studies.

Japanese 209b. Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 8918

Wesley M. Jacobsen

Half course (spring term). M., W., F., at 9 and an additional 1 1/2 hours to be arranged. EXAM GROUP: 2

Continuation of Japanese 209a.

Prerequisite: Japanese 209a.

**[Japanese 211 (formerly Japanese 311). Materials and Methods of Japanese Studies:
Proseminar]**

Catalog Number: 0987



Harold Bolitho

Half course (fall term). Hours to be arranged.

Bibliography and techniques of research in Japanese studies.

Note: Expected to be given in 2003–04.

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). Th., 1–3. EXAM GROUP: 15, 16

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.

Japanese History 111b. The Shogun's Realm, 1600–1868: Conference Course

Catalog Number: 2552

Harold Bolitho

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Reading and discussion of writings on political institutions, land systems and agriculture, commerce, population, and intellectual and cultural developments from the late 16th to the mid-19th century.

[Japanese History 116a. History of Japanese Religions: Conference Course]

Catalog Number: 0675

Helen Hardacre

Half course (fall term). Hours to be arranged.

A historical overview of Japanese religions from earliest times to 1600.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3522.

Japanese History 116b. History of Japanese Religions: Conference Course

Catalog Number: 2712

Helen Hardacre

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

A historical survey of Japanese religions from 1600 to the present.

Note: 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). Th., 1–3. EXAM GROUP: 15, 16

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.

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 18g. Introduction to the Art and Architecture of Japan]

[Literature and Arts C-42. Constructing the Samurai](#)

Primarily for Graduates

[Japanese History 211. Introduction to Ancient and Medieval Japanese Historical Sources](#)

Catalog Number: 8174

Mikael Adolphson

Half course (fall 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.

[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: Offered jointly with the Divinity School.

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 2003–04. Expected to be given in 2003–04. Offered jointly with



the Divinity School.

Prerequisite: Reading knowledge of modern Japanese.

Cross-listed Courses

[*History 2851. Japanese History: Seminar]

[History 2852. Topics in Modern Japanese History: Proseminar]

[History 2854. Issues in Tokugawa and Meiji History: Seminar](#)

Japan: Literature Courses

Please visit the following web site for the latest information on the courses listed below: www.fas.harvard.edu/ealc

For Undergraduates and Graduates

Japanese Literature 121a. History of Japanese Literature

Catalog Number: 5891

Adam L. Kern

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

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 2. EXAM GROUP: 7

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 (fall 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. Japanese useful but not required.

Note: Expected to be given in 2003–04.

Japanese Literature 141. Edo's Spectacular Culture

Catalog Number: 9347

Adam L. Kern

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6



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.

Cross-listed Courses

***Freshman Seminar 33o. Japan Pop: From Bashô to Banana**

***Freshman Seminar 43n. Sin and the City: Tales of Historic Kyoto**

[History of Art and Architecture 18g. Introduction to the Art and Architecture of Japan]

Literature and Arts A-76. Five Japanese Portraits

Literature and Arts C-42. Constructing the Samurai

Primarily for Graduates

Japanese Literature 220r. The Development of Modern Japanese Fiction

Catalog Number: 1831

Jay Rubin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Reading and discussion of major works of prose fiction with practice in literary translation.

[Japanese Literature 222a. Survey of Japanese Poetry]

Catalog Number: 4226

Edwin A. Cranston

Half course (fall term). Hours to be arranged.

The tradition of *waka* poetry from its origins to the 15th century.

Note: Expected to be given in 2003–04.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 222b. Survey of Japanese Poetry

Catalog Number: 2311

Edwin A. Cranston

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

The development of *renga*, *haikai*, and *haiku* to the 18th century.

Note: Expected to be omitted in 2003–04.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 233r. Nara and Heian Court Literature

Catalog Number: 8614

Edwin A. Cranston

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Topic: *Genji Monogatari* and its translations.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 235. No and Kyogen

Catalog Number: 0869

Jay Rubin



Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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.

This course explores the indefatigable Japanese comic imagination in its multifarious manifestations (humor, wit, satire, irony, parody, burlesque, literary Nonsense, anecdotes, jokes and so on) in a variety of genres from the classical to early modern periods.

Note: Expected to be given in 2003–04.

Prerequisite: Japanese 106a and 106b, or the instructor's permission.

Japanese Literature 243. Major Writers: Ihara Saikaku

Catalog Number: 5558

Adam L. Kern

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Close readings in the “floating world” fiction of Ihara Saikaku.

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, Edwin A. Cranston 1186, Andrew Gordon 1891 (on leave 2002-03), Helen Hardacre 3191 (on leave spring term), Wesley M. Jacobsen 3443, Adam L. Kern 4195, Satomi Matsumura 2665, Yori Oda 2460, and Jay Rubin 3544

Cross-listed Courses

[Historical Study A-14. Japan: Tradition and Transformation]

[*History 2851. Japanese History: Seminar]

[History 2852. Topics in Modern Japanese History: Proseminar]

[Linguistics 174. Tense and Aspect in Japanese]

Korea: Language Courses

For Undergraduates and Graduates

Korean Ba. Elementary Korean for True Beginners

Catalog Number: 8739

Jiha Hwang

Half course (fall term). Tu., Th., at 10, or M., W., F., at 10, 11, 2, or 3. EXAM GROUP: 12

Designed for students with no previous background in Korean. Introduction to modern Korean: basic grammar, reading of simple texts, conversational skills, and writing short letters. After successful completion of this course, students are expected to be able to handle a limited number



of interactive, task-oriented and social situations and to have sufficient control of the writing system to interpret written language in areas of practical needs.

Korean Bb. Elementary Korean

Catalog Number: 8718

Jiha Hwang

Half course (spring term). Tu., Th., at 10, or M., W., F., at 10, 11, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Korean Ba.

Prerequisite: Korean Ba or equivalent.

Korean Bxa (formerly Korean Bx). Elementary Korean for Advanced Beginners

Catalog Number: 0120

Sang-suk Oh

Half course (fall term). Tu., Th., at 9, or M., W., F., at 10, 11, 12, or 3. EXAM GROUP: 11

Designed for students with significant listening and speaking background, either from prior formal learning or previous exposure to a Korean speaking community. Introductory Korean course, with emphasis on reading and writing. After successful completion of this course, students are expected be able to understand main ideas and/or some facts from the simple connected texts dealing with basic personal and social needs and to be able to meet a number of practical writing needs.

Korean Bxb (formerly Korean 102x). Elementary Korean for Advanced Beginners

Catalog Number: 3031

Sang-suk Oh

Half course (spring term). M., W., F., at 11, or 12, and three additional hours to be arranged.

EXAM GROUP: 13

Continuation of Korean Bxa.

Korean 102a. Intermediate Korean

Catalog Number: 5884

Sang-suk Oh

Half course (fall term). M., W., F., at 11; Tu., Th., at 10; Tu., Th., at 11; Tu., Th., at 12, and two additional hours to be arranged. EXAM GROUP: 4

Continuation of elementary Korean to consolidate students knowledge of the fundamental grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a wide range of daily-life transactional situations. 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). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

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 (formerly offered as “Advanced Korean”)

Catalog Number: 2071

Jiha Hwang

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 (formerly “Advanced Korean”). Pre-advanced Korean

Catalog Number: 2662

Jiha Hwang

Half course (spring term). Tu., Th., 2–4; Th., at 1. EXAM GROUP: 16, 17

Continuation of Korean 103a.

Prerequisite: Korean 103a or equivalent.

Korean 104a (formerly “Readings in Contemporary Korean”). Advanced Korean

Catalog Number: 5723

Sang-suk Oh

Half course (fall term). Tu., Th., 2–4. EXAM GROUP: 16, 17

Development of skills in reading materials from contemporary Korean media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. After successful completion of fourth-year Korean, students should be able to satisfy the requirements of various everyday, school, and work situations and follow essential points of written discourse which are abstract and linguistically complex, and also to write about a variety of topics in detail with precision.

Prerequisite: Korean 103b or equivalent.

Korean 104b (formerly “Readings in Contemporary Korean”). Advanced Korean

Catalog Number: 3011

Sang-suk Oh

Half course (spring term). M., W., 3–5. EXAM GROUP: 8, 9

Continuation of Korean 104a.

Prerequisite: Korean 104a or equivalent.

Korean 110a. Readings in Cultural Studies

Catalog Number: 1936



Jiha Hwang

Half course (fall term). M., 3–5, and two additional hours to be arranged. EXAM GROUP: 8, 9

Selected readings in contemporary Korean on topics in art, film, drama, and cultural studies, supplemented by selections from audio-visual media on traditional and current cultural events.

After completion of Korean 110a and 110b, students are expected to be able to participate in most formal and informal conversations on practical, social, professional, and abstract topics and read with almost complete comprehension and at normal speed expository prose on unfamiliar subjects and a variety of literary texts.

Prerequisite: Korean 104b or equivalent.

Korean 110b. Readings in Cultural Studies

Catalog Number: 1282

Jiha Hwang

Half course (spring term). M., 3–5, and two additional hours to be arranged. EXAM GROUP: 8, 9

Continuation of Korean 110a.

Prerequisite: Korean 104b or equivalent.

[Korean 111a. Readings in Social Sciences]

Catalog Number: 1412

Jiha Hwang

Half course (fall term). Hours to be arranged.

Selected readings in contemporary Korean on topics in sociology, economics, political science, and psychology, supplemented by selections from audio-visual media on current social issues.

After completion of Korean 111a and 111b, students are expected to be able to participate in most formal and informal conversations on practical, social, professional, and abstract topics and read with almost complete comprehension and at normal speed expository prose on unfamiliar subjects and a variety of literary texts.

Note: Expected to be given in 2003–04.

Prerequisite: Korean 104b or equivalent.

[Korean 111b. Readings in Social Sciences]

Catalog Number: 7409

Jiha Hwang

Half course (spring term). Hours to be arranged.

Continuation of Korean 111a.

Note: Expected to be given in 2003–04.

Prerequisite: Korean 104b or equivalent.

Korea: History Courses

For Undergraduates and Graduates

Korean History 111. Traditional Korea

Catalog Number: 3709

Sun Joo Kim



Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Survey of the history of Korea, from earliest times to the 19th century. Examines various interpretive approaches and traces developments of political, social, economic, intellectual, cultural, and diplomatic history.

[Korean History 114. Modern Korea]

Catalog Number: 7090

Carter J. Eckert

Half course (spring term). Hours to be arranged.

Survey of modern Korea from late 19th century to present. Emphasis on nation-building and social, economic, and cultural continuity and change in the context of imperialism, colonialism, national division, the Cold War, and globalization.

Note: Expected to be given in 2003–04. No prior course work in Korean History is presumed.

[Korean History 118. History of the Chosôn Dynasty: Conference Course]

Catalog Number: 3231

Sun Joo Kim

Half course (spring term). Hours to be arranged.

Reading and discussion of Chosôn society and culture, focusing on the emergence of yangban, development and decline of slavery, and the changes of women's status.

Note: Expected to be given in 2003–04.

Cross-listed Courses

Foreign Cultures 80. Korean Cultural Identities

Primarily for Graduates

Korean History 230r. Readings in Premodern Korean History

Catalog Number: 4497

Sun Joo Kim

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

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.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Korean. Reading ability in classical Chinese helpful.

[Korean History 235r. Historical Research in Korea]

Catalog Number: 7886

Sun Joo Kim

Half course (fall term). Hours to be arranged.

Explores current historical research in the field of premodern Korea by reviewing major publications in the field, in Korean.

Note: Expected to be given in 2003–04.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Korean.



Korean History 240r. Selected Topics in Premodern Korean History: Seminar

Catalog Number: 9837

Sun Joo Kim

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Reading and research of selected primary sources and secondary works on premodern Korean history.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Korean. Reading ability in classical Chinese and Japanese helpful.

[*Korean History 253r. Topics in Modern Korean History: Proseminar]

Catalog Number: 7309

Half course (spring term). Hours to be arranged.

A survey of the political, diplomatic, economic, and cultural relationship between Korea and the United States from the mid-19th century to the present, with a special emphasis on immigration and the formation of a Korean-American community.

Note: Expected to be given in 2003–04.

Prerequisite: Korean History 114 or equivalent.

***Korean History 255r. Modern Korean History: Seminar**

Catalog Number: 0713

Carter J. Eckert

Full course. Tu., 2–4. EXAM GROUP: 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). Th., 2–4. EXAM GROUP: 16, 17

Explores the history of the field through an examination of major scholarship. Designed primarily for graduate students preparing for the general examination.

Korea: Literature Courses

For Undergraduates and Graduates

Korean Literature 132. Korean Literature in Translation

Catalog Number: 7838

David McCann

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A survey of Korean literature in translation, 7th to the 21st century.

Cross-listed Courses



Foreign Cultures 80. Korean Cultural Identities

Primarily for Graduates

Korean Literature 210r (formerly Korean Literature 210). Pre-Modern Korean Literature

Catalog Number: 6342

David McCann

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Close reading in a number of literary forms, including the essay, histories, prose fiction, songs, poetry, and p'ansori.

Note: Readings will be 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). Hours to be arranged.

Major and minor voices in 20th and 21st-century Korean poetry. Attention to the practices of reading and translation, and to the political contexts of modern Korean poetry.

Note: Expected to be given in 2003–04. Readings will be in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

Graduate Courses of Reading and Research

***Korean 300. Reading and Research**

Catalog Number: 8122

Carter J. Eckert 1178, Jiha Hwang 2861, Sun Joo Kim 3821, and David McCann 3635

Manchu: Language Courses

For Undergraduates and Graduates

Manchu A. Elementary Manchu

Catalog Number: 8961

James Evert Bosson (University of California, Berkeley)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to Manchu grammar with elementary readings in Manchu script.

Manchu B. Advanced Manchu

Catalog Number: 1625

James Evert Bosson (University of California, Berkeley)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Readings in a variety of historical and literary texts with emphasis on Manchu documentary sources, with and without diacritical marks.



[Manchu C. Advanced Manchu]

Catalog Number: 4190

James Evert Bosson (University of California, Berkeley)

Half course (fall term). Hours to be arranged.

Readings in a wide variety of Manchu texts. English to Manchu translation exercises.

Note: Expected to be given in 2003–04.

[Manchu D. Advanced Manchu]

Catalog Number: 1414

James Evert Bosson (University of California, Berkeley)

Half course (spring term). Hours to be arranged.

Intensive reading in Manchu archival materials, other historical texts and literary texts. Some texts in pre-diacritical form. English to Manchu translation exercises.

Note: Expected to be given in 2003–04.

Primarily for Graduates

[Manchu 210. Introduction to Sources for Manchu Studies]

Catalog Number: 6640

Half course (fall term). Hours to be arranged.

This course introduces a range of Manchu and Chinese texts used for research in Manchu studies. After reviewing the history and present state of Manjuristics, we will consider different source materials each week. Students will present oral reports and write a bibliographic essay on a topic of potential research interest.

Note: Expected to be given in 2003–04.

Prerequisite: Ability in literary Chinese, background in Qing history. Reading ability in Manchu and/or Japanese strongly preferred but not required.

Graduate Courses of Reading and Research

***Manchu 300. Reading and Research**

Catalog Number: 8735

James Evert Bosson (University of California, Berkeley) 2350

Mongolian: Language Courses

For Undergraduates and Graduates

Mongolian A. Elementary Written Mongolian

Catalog Number: 2965

James Evert Bosson (University of California, Berkeley)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Study of classical Mongolian grammar, with introduction to pre-classical and classical Mongolian texts.



Mongolian B. Intermediate Written Mongolian

Catalog Number: 8489

James Evert Bosson (University of California, Berkeley)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Readings in classical Mongolian texts.

Mongolian C. Advanced Written Mongolian

Catalog Number: 0810

James Evert Bosson (University of California, Berkeley)

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Readings in classical and modern Mongolian texts.

Mongolian D. The Secret History of the Mongols

Catalog Number: 4032

James Evert Bosson (University of California, Berkeley)

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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 Evert Bosson (University of California, Berkeley) 2350

Half course (fall term; repeated spring term). Hours to be arranged.

Tibetan and Himalayan Studies

Cross-listed Courses

[Tibetan 205a. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

[Tibetan 205b. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

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). M. through F., at 9. EXAM GROUP: 2, 11

Continuation of Vietnamese Ba, with introduction of additional Vietnamese texts and advertisements to enhance reading skills.

Prerequisite: Vietnamese Ba or permission of the instructor.

Vietnamese 101a. Intermediate Vietnamese

Catalog Number: 3276

Binh Ngo

Half course (fall term). M., W., F., at 10; Tu., Th., at 10; W., 4–6, and two additional hours to be arranged. EXAM GROUP: 3

Further development of speaking, reading, writing, and aural comprehension. Texts on Vietnamese geography, history, culture, and customs will be used, as well as audiotapes and videos. Students are expected to speak Vietnamese in all class discussions.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese Bb or permission of the instructor.

Vietnamese 101b. Intermediate Vietnamese

Catalog Number: 6178

Binh Ngo

Half course (spring term). M., W., F., at 10; Tu., Th., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Vietnamese 101a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 101a or permission of the instructor.

Vietnamese 103a. Advanced Vietnamese

Catalog Number: 6287

Binh Ngo

Half course (fall term). M., W., F., at 11; Tu., Th., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Development of high proficiency in Vietnamese. Introduction of complex grammar and vocabulary, using authentic Vietnamese texts, audiotapes, videos, and translation of English news articles into Vietnamese. Discussions focus on selected short stories and poems.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 101b or permission of the instructor.

Vietnamese 103b. Advanced Vietnamese

Catalog Number: 3968

Binh Ngo

Half course (spring term). M., W., F., at 11; Tu., Th., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Continuation of Vietnamese 103a.



Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 103a or permission of the instructor.

Vietnam: History Courses

Cross-listed Courses

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[Historical Study B-68. America and Vietnam: 1945–1975](#)

[History 1820. Premodern Vietnam]

[History 1821. Modern Vietnam]

[History 2821. Readings in Vietnamese History]

Graduate Courses of Reading and Research

***Vietnamese 300. Reading and Research**

Catalog Number: 7211

Binh Ngo 1383

Economics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Economics

Oliver S. Hart, Andrew E. Furer Professor of Economics (*Chair*) (*on leave 2003-04*)

Philippe Aghion, Professor of Economics (*on leave 2002-03*)

Alberto F. Alesina, Professor of Economics (*on leave 2002-03*)

Abhijit V. Banerjee, Visiting Professor of Economics (*MIT*)

Robert J. Barro, Robert C. Waggoner Professor of Economics

Susanto Basu, Visiting Associate Professor of Economics (*University of Michigan*)

Marianne Baxter, Visiting Professor of Economics (*Boston University*)

Laurent E. Calvet, John L. Loeb Associate Professor of the Social Sciences (*on leave 2002-03*)

John Y. Campbell, Otto Eckstein Professor of Applied Economics

Francesco Caselli, Paul Sack Associate Professor of Political Economy (*on leave fall term*)

Richard E. Caves, Nathaniel Ropes Professor of Political Economy

Gary Chamberlain, Louis Berkman Professor of Economics

Richard N. Cooper, Maurits C. Boas Professor of International Economics

David M. Cutler, Professor of Economics

Martin Feldstein, George F. Baker Professor of Economics



Christopher L. Foote, Associate Professor of Economics (*on leave 2002-03*)
 Richard B. Freeman, Herbert S. Ascherman Professor of Economics
 Benjamin M. Friedman, William Joseph Maier Professor of Political Economy (*Director of Undergraduate Studies*)
 Drew Fudenberg, Professor of Economics
 Edward L. Glaeser, Professor of Economics
 Claudia Goldin, Henry Lee Professor of Economics
 Gautam Gowrisankaran, Visiting Assistant Professor of Economics (*fall term only*)
 Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
 Elhanan Helpman, Galen L. Stone Professor of International Trade (*on leave spring term*)
 Caroline M. Hoxby, Professor of Economics (*on leave 2002-03*)
 Dale W. Jorgenson, Samuel W. Morris University Professor
 Lawrence F. Katz, Professor of Economics
 Michael Robert Kremer, Professor of Economics
 Rafael La Porta, Associate Professor of Economics
 David I. Laibson, Professor of Economics (*on leave fall term*)
 Judith Li, Assistant Professor of Economics
 N. Gregory Mankiw, Professor of Economics, Allie S. Freed Professor in Economics, Allie S. Freed Professor of Economics (*on leave spring term*)
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 James L. Medoff, Meyer Kestenbaum Professor of Labor and Industry (*FAS and Kennedy School*) (*on leave fall term*)
 Marc J. Melitz, Assistant Professor of Economics
 Markus M. Möbius, Assistant Professor of Economics
 Marcelo J. Moreira, Assistant Professor of Economics
 Julie Holland Mortimer, Assistant Professor of Economics
 Casey Bryant Mulligan, Visiting Associate Professor of Economics (*University of Chicago*) (*fall term only*)
 Michael P. Murray, Visiting Professor of Economics (*Bates College*)
 Robert H. Neugeboren, Lecturer on Economics
 Ariel Pakes, Professor of Economics (*on leave fall term*)
 Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy, Director of the Asia Center
 Jack R. Porter, Associate Professor of Economics
 Andrew W. Postlewaite, Visiting Professor of Economics (*University of Pennsylvania*) (*spring term only*)
 Kenneth Rogoff, Professor of Economics (*on leave 2002-03*)
 Alvin E. Roth, George Gund Professor of Economics and Business Administration
 Michael A. Schwarz, Assistant Professor of Economics (*on leave 2003-04*)
 Andrei Shleifer, Whipple V. N. Jones Professor of Economics (*on leave 2002-03*)
 Jeremy C. Stein, Professor of Economics (*on leave 2003-04*)
 Joseph J. Stern, Lecturer on Economics (*fall term only*)
 James H. Stock, Professor of Economics
 Lawrence Henry 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 for Undergraduate Education
Michael D. Woodford, Visiting Professor of Economics (*Princeton University*) (*fall term only*)

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*)
Robert H. Bates, Eaton Professor of the Science of Government
Lucian Arye Bebchuk, William J. Friedman and Alicia Townsend Friedman Professor of Law, Economics, and Finance (*Law School*)
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*)
James S. Duesenberry, William Joseph Maier Professor of Money and Banking, Emeritus
Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)
Stuart C. Gilson, Steven R. Fenster Professor of Business Administration (*Business School*)
Paul Gompers, Associate Professor of Business Administration (*Business School*)
William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)
Robert Jensen, Associate Professor of Public Policy (*Kennedy School*)
Louis E. Kaplow, Professor of Law (*Law School*)
Asim Ijaz Khwaja, Assistant Professor of Public Policy (*Kennedy School*)
Jeffrey B. Liebman, Associate Professor of Public Policy (*Kennedy School*)
David Little, T. J. Dermot Dunphy Professor of the Practice in Religion, Ethnicity, and International Conflict (*Divinity School*)
Rachel M. McCleary, Lecturer on Government
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*)
Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy 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

1400-1499 and 2400-2499: Monetary and Fiscal Theory and Policy; Public Sector Economics

1500-1599 and 2500-2599: International Economics

1600-1699 and 2600-2699: Industrial Organization and Regulation; Environmental Economics

1700-1799 and 2700-2799: Financial Economics

1800-1899 and 2800-2899: Labor, Human Resources, and Income Distribution; Urban Economics

2000-2999: Open to honors undergraduates with the permission of the instructor

3000-3999: Graduate Courses of Reading and Research

Social Analysis 10: Principles of Economics, which is listed under the Core Curriculum, is the full-year introductory course in Economics. Social Analysis 10 is designed both for potential concentrators and for those who intend no further work in the field. The Department of Economics strongly encourages students considering concentration to take this course in their freshman year.

Tutorials and Senior Research Seminars in Economics

Primarily for Undergraduates

***Economics 910r. Supervised Reading and Research**

Catalog Number: 1020

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 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

Director of Undergraduate Studies and members of the Department

Half course (fall term). Tu., Th., 7–8:30 p.m.

A thorough review of intermediate microeconomics and macroeconomics.

Note: Required of and limited to concentrators who received below a B-/C+ average in the Economics 1010/1011 sequence.

Economics 985 Senior Research Seminars

These seminars are limited to seniors writing senior honor theses. Each seminar focuses on the research topics of interest to the participants. Emphasis is placed on research design, methodological problems, literature review, and sources of data. Regular student presentations of work in progress are required. The major course requirement is an original research paper each semester. An Economics 985 seminar taken in the senior year substitutes for Economics 990, and seniors will not be allowed to enroll concurrently in both courses. All 985 seminars are limited to 12 students.

***Economics 985a. Research in Microeconomics**

Catalog Number: 7166

Michael A. Schwarz

Full course. M., 4–6.

Research seminar for seniors writing theses in theoretical and applied microeconomics. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

[*Economics 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 2003–04.

***Economics 985d. Research in Economic Development**

Catalog Number: 4989

Michael P. Murray (Bates College)

Full course. Fall: Th., 2:30–4; Spring: M., 1–3.

Workshop for seniors writing theses in the areas of economic history and economic development. Emphasis on choice of research topics, primary sources, data sources, and research methods. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.



***Economics 985e. Research in Macroeconomics**

Catalog Number: 3740

Francesco Caselli

Full course. W., at 2:30. EXAM GROUP: 7, 8

Provides intellectual support and constructive criticism for students involved in research in the fields of monetary and fiscal policy, business cycles, and economic growth. Initial meetings focus on finalizing research topics, data sources, and research methods. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985f. Research in International Trade and Finance**

Catalog Number: 7157

Richard N. Cooper

Full course. Fall: M., 3:30–5 Spring: Hours to be arranged.

Workshop for seniors writing theses in international trade and finance. Emphasis on choice of research topics, methodology, and international economic theory. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985h. Research in Financial Markets**

Catalog Number: 0350

Tuomo O. Vuolteenaho

Full course. F., 3–5. EXAM GROUP: 8, 9

Workshop for seniors writing theses in finance. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honor thesis are required. Topics include asset pricing and corporate finance.

***Economics 985k. Research in Public Finance**

Catalog Number: 0871

Judith Li

Full course. M., 2–4.

Research seminar for seniors writing theses in public finance. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required. Topics have included taxation, health economics, environmental and resource economics, and education.

***Economics 990. Tutorial — Senior Year**

Catalog Number: 7342

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 semester of Economics 990. Students currently enrolled in Economics 985 may not enroll in Economics 990.



General Economics; Economic Theory; History of Economics

For Undergraduates and Graduates

Economics 1010a. Microeconomic Theory

Catalog Number: 1862

Robert H. Neugeboren

Half course (fall term). M., W., F., at 10, and a one-hour weekly section to be arranged. EXAM GROUP: 3

Focuses on the optimizing behavior of individual consumers and firms and the coordination of these individual decisions through markets, including the evaluation of market outcomes. Topics include the theory of the consumer, the theory of the firm, decisions involving time and risk, perfect competition, monopoly and monopsony, oligopoly and game theory, markets with asymmetric information, and externalities and public goods.

Note: Economics 1010a fulfills the intermediate microeconomic theory requirement for economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit. 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) and Francesco Caselli

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., 8:30–10, and a one-hour weekly section to be arranged. EXAM GROUP: 10, 11

Economics 1011a is similar to Economics 1010a, but uses more mathematics and covers more material. The course aims to teach the basic tools of economics and to apply them to a wide range of human behavior. Tools include consumer theory, optimization under uncertainty, game theory, welfare economics, incentive theory, and the economics of information. Topics include industrial organization, public finance, law and economics, the economics of the family, religion and riots.

Note: Economics 1011a fulfills the intermediate microeconomic theory requirement for



economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit.

Prerequisite: Social Analysis 10 and Mathematics 20 or 21a, or permission of the instructor.

Economics 1011b. Macroeconomic Theory

Catalog Number: 6993

Francesco Caselli and Susanto Basu (University of Michigan)

Half course (spring term). Tu., Th., 8:30-10, and a one-hour weekly section to be arranged.

EXAM GROUP: 10, 11

The same topics as in 1010b, but with a more mathematical approach.

Note: Economics 1011b fulfills the intermediate macroeconomic theory requirement for economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, Mathematics 20 or 21 is recommended.

Economics 1025. Theory of Capital and Income

Catalog Number: 0121

Martin L. Weitzman

Half course (fall term). M., W., 1–2:30, and a one-hour weekly section to be arranged. 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). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

Prerequisite: Economics 1010a or 1011a, and knowledge of multivariate calculus.

Economics 1050. Strategy, Conflict, and Cooperation

Catalog Number: 8506



Robert H. Neugeboren

Half course (spring term). M., W., at 1, and a one-hour weekly section to be arranged. EXAM GROUP: 6

An introduction to “the strategic way of thinking” and a primer on game theory with applications to economics and other social sciences. Topics include the prisoner’s dilemma and the arms race; dominance reasoning and the minimax theorem; mixed strategies and Nash equilibrium; bargaining and collective action; threats, promises, and negotiated games; and the evolution of cooperation. No special mathematical preparation required.

Prerequisite: Social Analysis 10.

Economics 1052. Introduction to Game Theory

Catalog Number: 2634

Markus M. Möbius

Half course (spring term). Tu., Th., 10–11:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 12, 13

An introduction to game theory and its applications to economics at a high level of rigor. Topics include extensive form and strategic form games, Nash equilibrium and Nash’s existence theorem, subgame-perfect equilibrium, Bayesian equilibrium, and applications to repeated games, auctions, and bargaining.

Prerequisite: Economics 1011a and Mathematics 21b, or equivalent.

Economics 1055. Decisions and Negotiations

Catalog Number: 1191

Michael A. Schwarz

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Considers a variety of applications ranging from evaluating capital expenditures to personal medical decisions. Topics range from mathematical models for representing uncertainty and behavioral aspects of decision making to negotiations.

Prerequisite: Economics 1010a or 1011a.

Economics 1076. Keynes and the 20th Century

Catalog Number: 9871 Enrollment: Limited to 15.

Stephen A. Marglin

Half course (fall term). Tu., 2–4 and occasional on W., 4 - 5:30. EXAM GROUP: 16, 17

Examines the impact of Keynes on economics and the economy, with special emphasis on alternative readings of the General Theory. Considers both the standard interpretation of Keynes as a theorist of the short run, which allowed the assimilation of Keynesian economics into the mainstream of American economics, and an alternative reading of Keynes as offering a vision of capitalism fundamentally at odds with the vision of neoclassical economics.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b), and Mathematics 20.

Primarily for Graduates

***Economics 2010a. Economic Theory**

Catalog Number: 8656

Jerry R. Green and Drew Fudenberg



Half course (fall term). Tu., Th., 10–11:30, and a 1.5-hour weekly section to be arranged. EXAM GROUP: 12, 13

Covers the theory of individual and group behavior. Topics include consumer theory, producer theory, behavior under uncertainty, externalities, monopolistic distortions, game theory, oligopolistic behavior, and asymmetric information.

Note: Enrollment is restricted to students in the economics and business economics Ph.D. programs.

Prerequisite: Economics 2030 or equivalent; can be taken concurrently.

Economics 2010b. Economic Theory

Catalog Number: 8659

Michael A. Schwarz and Andrew W. Postlewaite (University of Pennsylvania)

Half course (spring term). Tu., Th., 10–11:30, and a 1.5-hour weekly section to be arranged.

EXAM GROUP: 12, 13

Topics include general equilibrium, the core, externalities and public goods, moral hazard, social choice theory, signaling, and mechanism design.

Prerequisite: Economics 2010a.

Economics 2010c. Economic Theory

Catalog Number: 2041

Benjamin M. Friedman, David I. Laibson, and N. Gregory Mankiw

Half course (fall term). M., W., (F.), 12–1:30, 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 Ph.D. program, doctoral candidates in a few other designated programs, and well-qualified undergraduates.

Prerequisite: Economics 2030 or the equivalent; can be taken concurrently.

Economics 2010d. Economic Theory

Catalog Number: 4431

Robert J. Barro and Francesco Caselli

Half course (spring term). M., W., 11–12:30, and a 1.5-hour weekly section to be arranged.

EXAM GROUP: 4, 5

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.

Jerry R. Green and Christopher N. Avery (Kennedy School)

Half course (fall term). M., W., 8:30–10, and a one-hour weekly section to be arranged. EXAM GROUP: 1, 2

A comprehensive course in economic theory designed for doctoral students in all parts of the university. Consumption, production, uncertainty, markets, general equilibrium. Applications to policy analysis and business decisions. Emphasizes the use of economic theory in practical



research.

Note: Offered jointly with the Kennedy School as API-111 and 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 2030. Mathematics and Optimization Theory for Economists

Catalog Number: 4976

Markus M. Möbius

Half course (fall term). Tu., Th., 1–2:30, and a one-hour weekly section to be arranged. EXAM GROUP: 15, 16

Covers aspects of mathematics and optimization theory useful to Ph.D.-level economics: real analysis, functions of several variables, convex programming, duality theory, linear and non-linear programming, calculus of variations, the maximum principle of optimal control theory.

Economics 2035 (formerly Economics 2410h). Dynamic Programming

Catalog Number: 1851

David I. Laibson

Half course (spring term). F., 1:30–4:30. EXAM GROUP: 6, 7, 8, 9

First half of course covers dynamic programming, including both discrete and continuous-time methods. Considers applications to search, investment, option valuation, and consumption.

Discusses computational methods for generating numerical solutions. Second half surveys recent empirical and theoretical research in consumption.

Economics 2040. Experimental Economics

Catalog Number: 8485 Enrollment: Limited to 48.

Alvin E. Roth

Half course (fall term). F., 9–12. EXAM GROUP: 2, 3

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 2050. General Equilibrium Theory]

Catalog Number: 2279

Laurent E. Calvet



Half course (fall term). Hours to be arranged.

Develops the foundations of general equilibrium with an emphasis on financial markets. Topics include regularity and generic structure of equilibria, incomplete markets, default, informational efficiency and dynamic asset pricing.

Note: Expected to be given in 2003–04.

Economics 2052. Game Theory

Catalog Number: 3690

Drew Fudenberg

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 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 2060. Contract Theory

Catalog Number: 1404

Oliver S. Hart

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 2075hf. Political Economy Research Seminar**

Catalog Number: 7645

Stephen A. Marglin

Half course (throughout the year). Fall: Tu., 10–12; Spring: W., 10–12. EXAM GROUP: Fall: 12, 13; Spring: 3, 4

Economics 2086 (formerly Economics 2086r). The Theory Workshop

Catalog Number: 6378

Drew Fudenberg, Jerry R. Green, Markus M. Möbius, Andrew W. Postlewaite (University of Pennsylvania) (spring term), Alvin E. Roth, and Michael A. Schwarz

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

Econometrics and Quantitative Methods

For Undergraduates and Graduates



Economics 1123. Applied Econometrics

Catalog Number: 0813

Samuel B. Thompson (spring term) and Michael P. Murray (Bates College) (fall term)

Half course (fall term; repeated spring term). Tu., Th., 1–2:30 and a one-hour weekly section to be arranged. EXAM GROUP: 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 natural experiments, and instrumental variables. Aims to provide students with an understanding of and ability to apply econometric and statistical methods using computer packages.

Note: Students may take either Economics 1123 or Statistics 139 for credit. Statistics 139 will not count as econometrics requirement. Also, Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first.

Prerequisite: Statistics 100.

Economics 1126. Quantitative Methods in Economics

Catalog Number: 4076

Gary Chamberlain

Half course (spring term). Tu., Th., 2:30–4, and a one-hour weekly section to be arranged.

EXAM GROUP: 16, 17

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 (formerly Economics 2110a). Introductory Probability and Statistics for Economists

Catalog Number: 7213

Samuel B. Thompson

Half course (fall term). Tu., Th., 2:30–4, and a 1.5-hour weekly section to be arranged. EXAM GROUP: 16, 17

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). Fall: Tu., Th., 2:30–4; Spring: Tu., Th., 8:30–10; M., 1–2:30; M., 5:30–7 p.m., and a 1.5-hour weekly section to be arranged each term. 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 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. Students will complete a short research project in applied econometrics.

Prerequisite: Economics 2120 or equivalent.

Economics 2140 (formerly Economics 2140b). Econometric Methods

Catalog Number: 7210

Gary Chamberlain

Half course (fall term). Tu., Th., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 16, 17

Statistical decision theory with applications to portfolio choice, panel data topics, selection bias, demand and supply, qualitative choice, and quantile regression.

Prerequisite: Economics 2120 or equivalent.

Economics 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 (formerly Economics 2140d). Time Series Analysis

Catalog Number: 4414

James H. Stock

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A survey of modern time series econometrics. Topics include univariate models, vector autoregressions, linear and nonlinear filtering, frequency domain methods, unit roots, structural breaks, empirical process theory asymptotics, forecasting, and applications to macroeconomics and finance.



Economics 2144 (formerly Economics 2140e). Advanced Applied Econometrics

Catalog Number: 7686

Ariel Pakes and Jack R. Porter

Half course (spring term). 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 2162. The Econometrics Workshop

Catalog Number: 2372

Gary Chamberlain, Dale W. Jorgenson, Marcelo J. Moreira, Jack R. Porter, James H. Stock, and Samuel B. Thompson

Full course. Th., 4:30–6. EXAM GROUP: 18

Current research topics in theory and applications of econometrics.

Comparative Systems; Economic History; Development

For Undergraduates and Graduates

Economics 1315. Economic Development in East Asia

Catalog Number: 1920

Dwight H. Perkins

Half course (spring term). M., W., (F.), at 11 and a one-hour weekly section to be arranged. EXAM GROUP: 4

Covers the modern development and economic history of East and Southeast Asia. Topics include 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 1340. Globalization and History

Catalog Number: 4025

Jeffrey G. Williamson

Half course (fall term). Tu., Th., 11:30–1, and a one-hour weekly section to be arranged. EXAM GROUP: 13, 14

Globalization after 1492: first globalization boom 1800-1914, autarkic retreat 1914-1950, second globalization boom since 1950. Uses history to explore sources and impact of world market integration, emerging global capital markets, and mass migrations. Does going global foster growth? Who gains and who loses? Why doesn't more capital flow to poor countries? Why don't more poor people migrate? Who votes for protection? Who votes for migration restriction?

Note: Economics concentrators may not take this course pass/fail.

Prerequisite: Social Analysis 10 or permission of the instructor.

***Economics 1357. Historical Perspectives on American Economic Ascendancy**

Catalog Number: 7554 Enrollment: Limited to 60.



Claudia Goldin

Half course (spring term). M., W., 1–2:30; F., at 10; Th., at 6, and a one-hour weekly section to be arranged. EXAM GROUP: 6, 7

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. Requires a research paper.

Prerequisite: Social Analysis 10 or permission of the instructor.

Economics 1360. Politics, Society, and Economic Development

Catalog Number: 6066 Enrollment: Limited to 30.

Dwight H. Perkins

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores selected topics in the relationship between economic development in developing countries and the kinds of political and social institutions that influence development. Focuses on the appropriate role for the state in the management of the economy under varying political and social systems. Topics include the effectiveness of industrial policy in different institutional settings, the economics and politics of bilateral and multilateral foreign aid, how ethnic diversity affects ownership patterns in the economy, the causes and cures for corruption, and other similar issues.

Note: Requires a major research paper as well as a final exam.

Prerequisite: Social Analysis 10 or permission of the instructor.

Economics 1399. Economic Development

Catalog Number: 4051

Joseph J. Stern

Half course (fall term). M., W., 1–2:30, and a one-hour weekly section to be arranged. EXAM GROUP: 6, 7

Reviews the relationship between economic growth, income distribution, and poverty alleviation as well as alternative growth models, the role of foreign trade, structural change and sectoral policies, government's role in the development process, and the effectiveness of capital flows, public and private, in promoting development, and considers the debt burden efforts to reduce its impact. Discusses the underlying causes of the instability of the current international financial system and proposals to deal with this problem.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Primarily for Graduates

Economics 2325. World Development

Catalog Number: 8510

Jeffrey G. Williamson

Half course (spring term). M., W., 9:30–11. EXAM GROUP: 2, 3

Uses economic history to explore development the world round over the past two centuries, from



the British industrial revolution to the contemporary Third World. Takes examples from Europe, Latin America, Asia, and North America.

Note: Satisfies the graduate distribution requirement.

Economics 2327. History and Theory of Development

Catalog Number: 8092

Dani Rodrik (Kennedy School)

Half course (fall term). Hours to be arranged. EXAM GROUP: 4, 5

Provides an overview of the subject of economic development from theoretical, historical, and policy perspectives. Main aim is to allow students to analyze policy debates surrounding economic growth and development from a broad theoretical and historical base. Considers alternate theories of modern economic growth within a dynamic context. Treats the problem of economic growth in historical perspective, addressing several critical junctures of modern economic history. Emphasizes current policy debates in economic development.

Note: Satisfies the graduate distribution requirement. Offered jointly with the Kennedy School as PED-101I.

Economics 2330. The Development of the American Economy

Catalog Number: 0123

Claudia Goldin

Half course (spring term). Tu., Th., 12–1:30. EXAM GROUP: 14, 15

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: Satisfies the graduate distribution requirement.

***Economics 2339. The Economic History Workshop**

Catalog Number: 8183

Claudia Goldin and Jeffrey G. Williamson

Full course. F., 2–4. EXAM GROUP: 7, 8

Intended for students writing dissertations related to economic history themes and/or methodology and for others with interests in economic history. Discusses research papers presented by scholars at Harvard and elsewhere.

Economics 2350. The Workshop in Religion, Political Economy, and Society

Catalog Number: 0815

Robert J. Barro, Benjamin M. Friedman, Edward L. Glaeser, David Little (Divinity School), Rachel M. McCleary, and Ralph B. Potter (Divinity School)

Half course (fall term; repeated spring term). Fall: W., 12:30–2; Spring: W., 1–2:30. EXAM GROUP: Fall: 5, 6; Spring: 6, 7

Topics on the interplay between religion and the social sciences.

[Economics 2385. Microfinance: Theory and Practice]

Catalog Number: 8527



Half course (fall term). Hours to be arranged.

Targets potential entrepreneurs and academics. Focuses on poverty alleviation via microloans extended to credit constrained individuals. Covers analytics behind successful microfinance institutions that circumvent adverse selection, moral hazard, and enforcement. Reviews case studies and practice.

Note: Expected to be given in 2003–04.

Prerequisite: Good background in advanced microeconomics and econometrics. Qualified undergraduates welcome.

Economics 2390b. Development Economics I: Microeconomic Issues

Catalog Number: 2990

Michael Robert Kremer and Abhijit V. Banerjee (MIT)

Half course (fall term). M., W., 10:30–12. EXAM GROUP: 3, 4

Topics include agricultural issues such as peasant behavior, land tenancy, interlinked markets; credit and insurance market problems and institutions; health, nutrition, and productivity; gender bias; education; and technology adoption.

Economics 2390c. Development Economics II: Macroeconomic Issues

Catalog Number: 0388

Michael Robert Kremer and Abhijit V. Banerjee (MIT)

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 Robert Kremer, Abhijit V. Banerjee (MIT), Robert J. Barro, Francesco Caselli, Asim Khwaja (Kennedy School), Dwight H. Perkins, and Jeffrey G. Williamson

Full course. Fall: Tu., 2:30–4; Spring: W., 2:30–4. EXAM GROUP: Fall: 16, 17; Spring: 7, 8

Monetary and Fiscal Theory and Policy; Public Sector Economics

For Undergraduates and Graduates

Economics 1410. Public Sector Economics

Catalog Number: 6136

David M. Cutler, Mihir A. Desai (Business School), and Martin Feldstein

Half course (spring term). M., W., F., at 9; and a one-hour weekly section to be arranged. EXAM GROUP: 2

An economic analysis of 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 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). Tu., Th., at 10, and a one-hour weekly section to be arranged. EXAM GROUP: 12

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: Social Analysis 10 or equivalent. Economics 1010b or 1011b is recommended.

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.

This course analyzes the interplay between economic institutions and macroeconomic volatility and growth; it builds to a large extent on the recent history of high-tech sectors in industrialized countries, on the transition experience in post-socialist economies, and on the recent currency crisis episodes in Asia and Latin America.

Note: Expected to be given in 2003–04.

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

Robert J. Barro and Francesco Caselli

Half course (spring term). Hours to be arranged.

Focuses on the question: “why are some countries so poor and some so rich?” Topics include the roles of factor accumulation, differences in productivity, technology adoption and technology diffusion, institutions and politics, culture and social capital.

Note: Expected to be given in 2003–04.

[Economics 2410g. Political Economics]

Catalog Number: 6758

Alberto F. Alesina and Andrei Shleifer

Half course (fall term). Hours to be arranged.

Discusses several research areas in political economy, including the origins of the state, comparative political systems, theories of economic reform, fiscal problems in democracies, rule of law, privatization, regulation, and elections and the economy.

Note: Expected to be given in 2003–04.

Economics 2410j. Recent Developments in the Theory of Monetary Policy

Catalog Number: 9637

Michael D. Woodford (Princeton University)

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Topics include: expectations and the transmission mechanism for monetary policy; welfare-theoretic justification for stabilization objectives; rules versus discretion; design of optimal policy rules; consequences of incomplete information; interactions between monetary and fiscal policy.

Economics 2410k. Business Cycle Theory and Empirics

Catalog Number: 9853

Susanto Basu (University of Michigan)

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

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, Robert J. Barro, Susanto Basu (University of Michigan), John Y. Campbell, Francesco Caselli, David I. Laibson, N. Gregory Mankiw, James H. Stock, and



Michael D. Woodford (Princeton University)
Full course. M., 2–4. EXAM GROUP: 7, 8

Economics 2450a. Public Economics and Fiscal Policy I

Catalog Number: 1339

Casey Bryant Mulligan (University of Chicago)

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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 (formerly Economics 2910). The Health Economics Workshop

Catalog Number: 7617

David M. Cutler, Joseph P. Newhouse (Kennedy School, Medical School, Public Health), and William C. Hsiao (Public Health)

Half course (spring term). W., 4:30–6. EXAM GROUP: 9

Focuses on theory, econometric models, and public policy of health care. Frontier work in health economics presented and discussed by instructors and outside speakers.

Note: May be taken for credit only by dissertation students writing a research paper.

Economics 2480. The Public Economics and Fiscal Policy Workshop

Catalog Number: 6834

David M. Cutler, Martin Feldstein, Judith Li, and Casey Bryant Mulligan (University of Chicago)

Full course. M., 4–6. EXAM GROUP: 9

Focuses on current issues in the theory and practice of public finance, including both tax and expenditure policies.

***Economics 2490. The Economics of National Security**

Catalog Number: 9061

Martin Feldstein

Half course (spring term). Tu., 6:30–9 p.m.

This seminar considers a range of issues relating to national security, including bioterrorism, the market for nuclear weapons, the defense industry, the dependence on imported oil, intelligence, sanctions, etc. Speakers will be 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). M., W., 1–2:30, and a one-hour weekly section to be arranged. EXAM GROUP: 6, 7

Analyzes the causes and consequences of international trade and investment. Focuses on the interplay of economic theory and empirical descriptions of foreign trade and direct investment patterns.

Prerequisite: Economics 1010a or 1011a.

Economics 1542. International Trade Policy

Catalog Number: 2613

Elhanan Helpman

Half course (spring term). M., W., 2–3:30; F., at 2; F., at 11, and a one-hour weekly section to be arranged. EXAM GROUP: 7, 8

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.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

Economics 1545. International Financial and Macroeconomic Policy

Catalog Number: 5166 Enrollment: Limited to 30.

Marianne Baxter (Boston University)

Half course (fall term). M., W., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 7, 8

Advanced theoretical and empirical analysis of contemporary international financial markets and macroeconomic policy issues. Specific topics include market structure and linkages between onshore and offshore international financial markets; exchange rate determination, market efficiency, and study of derivative markets for foreign exchange such as futures, options, and swaps.

Prerequisite: Economics 1010b or 1011b.



Economics 1550. Economics of International Financial Policy

Catalog Number: 5112

Jeffrey A. Frankel (Kennedy School)

Half course (fall term). M., W., 11:30–1, and a section on F., 1-2:30. EXAM GROUP: 4, 5

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 14-20.

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

Marianne Baxter (Boston University)

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 models of international business cycles, money and exchange rate regimes, income determination and macroeconomic policy, history of international monetary arrangements, and current issues in international monetary reform.

Prerequisite: Economics 2530a provides extremely useful background for topics in this course.

Economics 2535. Advanced Topics in International Trade

Catalog Number: 6410

Marc J. Melitz

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Covers advanced theoretical and empirical topics concerning the determinants of world trade patterns.

Prerequisite: Economics 2530a or permission of instructor.

Economics 2537. International Trade Policy: Issues and Analysis

Catalog Number: 1699

Andres Rodriguez-Clare

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4



Develops expertise with economic models used for the analysis of international trade policies. Focuses on theoretical and empirical work relating to trade patterns, income distribution, growth, development, industrial policy, political economy, and the WTO.

Note: Students are expected to make presentations and write a research paper. Offered jointly with the Kennedy School as ITF-345.

Prerequisite: Graduate level microeconomics and econometrics.

Economics 2540. The International Economics Workshop

Catalog Number: 4008

Elhanan Helpman, Marianne Baxter (Boston University), Richard N. Cooper, Jeffrey A. Frankel (Kennedy School), Marc J. Melitz, Dani Rodrik (Kennedy School), and Andres Velasco (Kennedy School)

Full course. W., 4–6. EXAM GROUP: 9

Research papers in all aspects of international economics, including theory, econometrics, and policy.

Industrial Organization and Regulation; Environmental Economics

For Undergraduates and Graduates

Economics 1600. Industrial Organization

Catalog Number: 2584

Richard E. Caves

Half course (fall term). M., W., F., at 9, and a one-hour weekly section to be arranged. EXAM GROUP: 2

The nature of modern firms and markets. The main features of industrial structure and their relationship to market performance. Impact on the behavior of business enterprise in pricing, advertising, research and development, and profits.

Note: Expected to be omitted in 2003–04.

Prerequisite: Social Analysis 10.

Economics 1601. Regulation and Antitrust

Catalog Number: 2851

Richard E. Caves

Half course (spring term). M., W., F., at 9, and a one-hour weekly section to be arranged. EXAM GROUP: 2

Examines the economic rationales for government intervention into business decisions.

Considers both traditional regulation and recent progress towards deregulation of public utilities, such as telecommunications firms or electric utilities. Also considers the enforcement of antitrust policies. The course will provide an overview of the institutions through which government policies are implemented and will consider evidence on the impact of regulatory and antitrust policy.

Note: Expected to be omitted in 2003–04.

Prerequisite: Social Analysis 10.



Economics 1640. Topics in Industrial Organization: Theory and Applications

Catalog Number: 7875

Julie Holland Mortimer

Half course (spring term). Tu., Th., 1–2:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 15, 16

Advanced theoretical and empirical analysis of contemporary topics in industrial organization. Uses economic theory to analyze important issues facing firms, and examines the practical challenges of empirical applications of theory. Topics include horizontal relationships and mergers, vertical integration and control through contractual arrangements, price discrimination, information and search costs, innovation and intellectual property rights, and network externalities. Each topic combines theoretical analysis with a study of actual firm behavior.

Prerequisite: Economics 1010a or 1011a.

[Economics 1661. Environmental and Resource Economics and Policy]

Catalog Number: 2115

Robert N. Stavins (Kennedy School)

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. 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

Gautam Gowrisankaran

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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 Holland Mortimer and Ariel Pakes

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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

Richard E. Caves, Gautam Gowrisankaran, Markus M. Möbius, Julie Holland Mortimer, and Ariel Pakes

Half course (throughout the year). M., 2:30–4. EXAM GROUP: 7, 8

Economics 2665. The Economics of Organizations Workshop

Catalog Number: 9819

Oliver S. Hart and 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. Some analysis of cost-benefit, 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 (formerly Economics 1423). Capital Markets

Catalog Number: 1917

Tuomo O. Vuolteenaho

Half course (fall term). Tu., Th., 2:30–4, and a one-hour weekly section to be arranged. EXAM GROUP: 16, 17

An introduction to the economic analysis of investment decisions and financial markets.

Concepts include time discounting, market efficiency, risk, and arbitrage. These concepts are applied to fixed-income securities, equities, and derivative securities.

Prerequisite: Mathematics 20 and Economics 1010a or 1011a.



Economics 1745 (formerly Economics 1445). Corporate Finance

Catalog Number: 5889

Rafael LaPorta

Half course (spring term). Tu., Th., 2:30–4, and a one-hour weekly section to be arranged.

EXAM GROUP: 16, 17

Introduction to corporate finance, including capital budgeting, capital structure of firms, dividend policy, incentives of insiders, and takeovers.

Prerequisite: Economics 1010a or 1011a.

Economics 1755. International Corporate Finance

Catalog Number: 1921

Rafael La Porta

Half course (spring term). Tu., Th., 10–11:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 12, 13

Introduction to financial decisions in an international context. Topics include the market for foreign exchange, international valuation methods, options, futures, swaps, risk management, global financing, corporate governance, privatization, country risk, banking and currency crisis.

Prerequisite: Economics 1723 or 1745.

Economics 1760. Topics in Financial Economics

Catalog Number: 4594

Jeremy C. Stein

Half course (spring term). M., W., 1–2:30, and a one-hour weekly section to be arranged. EXAM GROUP: 6, 7

Theory and empirical evidence on selected questions in financial economics, with an emphasis on current research. Topics include behavioral finance and market efficiency, capital allocation by financial markets and inside firms, and banking and monetary policy.

Note: Expected to be bracketed in 2003-04.

Prerequisite: Economics 1723.

Primarily For Graduates

Economics 2723 (formerly Economics 2423). Asset Pricing I

Catalog Number: 2847

Tuomo O. Vuolteenaho

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to financial economics emphasizing discrete-time models and empirical applications. 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 (formerly Economics 2425). Corporate Finance

Catalog Number: 1427

Jeremy C. Stein

Half course (spring term). M., W., 8:30–10. EXAM GROUP: 1, 2



Theory and empirical evidence of capital structure, dividends, investment policy, managerial incentives, and takeovers. Topics include market efficiency, agency problems, and ownership.
Prerequisite: Economics 2060.

Economics 2727 (formerly Economics 2427). Topics in Empirical Corporate Finance

Catalog Number: 9055

Stuart C. Gilson (Business School)

Half course (spring term). Th., 2:30–5:30. EXAM GROUP: 16, 17

Examines empirical research in corporate finance. Covers empirical research methodology, financial institutions, and financial policy. Major emphasis is on how to do well-executed and persuasive research in corporate finance.

Note: Offered jointly with the Business School as 4220. Structured to minimize overlap with Economics 2725. Seminar format; students write referee reports and a research paper.

[Economics 2728 (formerly Economics 2428). Behavioral Finance]

Catalog Number: 8633

Andrei Shleifer

Half course (spring term). Hours to be arranged.

Deals with theoretical and empirical approaches to the study of financial markets using psychological or behavioral ideas. Topics include limited arbitrage, predictability of security returns, closed end funds, the equity premium, and trading volume.

Note: Expected to be given in 2003–04.

Prerequisite: Economics 2723.

Economics 2730 (formerly Economics 2430). Asset Pricing II

Catalog Number: 2235

Luis Manuel Viceira (Business School), George Carl Chacko (Business School), and Randolph B. Cohen (Business School)

Half course (spring term). F., 3–6. EXAM GROUP: 8, 9

Emphasis of course is both theoretical and empirical. First part of course 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). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Considers how financial markets and government policy can be used to share risks efficiently across economic agents. Topics include long-term portfolio choice theory, international and intergenerational risksharing, and public debt management.

Prerequisite: Economics 2010c and 2010d.



***Economics 2770hf. The Financial Economics Workshop**

Catalog Number: 1379

John Y. Campbell, Rafael La Porta, Jeremy C. Stein, and Tuomo O. Vuolteenaho

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 U.S. Labor Market

Catalog Number: 0421

James L. Medoff

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Presents the tools employed in research on the operation of the labor market and then uses them to discuss issues such as the determinants of earnings differentials, the impact of various firm characteristics on labor-market outcomes, discrimination, and unemployment.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

Economics 1813. The Indebted Society

Catalog Number: 6957

James S. Duesenberry

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

First charts trends in personal, corporate, and government indebtedness in the U.S., then discusses the impact of each change on societal well-being. Finally, asks about public policy concerning the various forms of U.S. debt.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

Economics 1815. Social Problems of the American Economy

Catalog Number: 3130

Lawrence F. Katz

Half course (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 U.S. and evaluates market and governmental solutions. Topics include discrimination, income and wage inequality, welfare reform, antipoverty strategy (including education and training programs), homelessness, crime, and charitable behavior.

Note: 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: Requires a research paper. 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). Hours to be arranged.

Explores why people attain different levels of education, what makes schools efficient, how schools should be financed, what explains rising college tuition, whether education propels macroeconomic growth. Uses labor economics (human capital investment, the market for teachers), public economics (financing K-12 education, public colleges), industrial organization (vouchers, charter schools, market for college education), macroeconomics (growth theory). The course design and option of a research paper make this a good course for students considering honors theses.

Note: Expected to be given in 2003–04.

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

Richard B. Freeman

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Theoretical and empirical research on labor markets, wages, human capital, employment. Wage determination covers equalizing differences, human capital, job mobility, matching and tournament models. Labor supply covers allocation of time life-cycle models. Labor demand includes minimum wage and adjustment models.

Economics 2810b. Labor Economics and Labor Market Institutions

Catalog Number: 3206

Lawrence F. Katz



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, empirical analysis of wage differentials and changes in the wage structure, unemployment, labor market institutions, discrimination, economics of social mobility and social interactions.

Economics 2812. The Labor Economics Workshop

Catalog Number: 0230

Lawrence F. Katz and Richard B. Freeman

Full course. W., 4–5:30. EXAM GROUP: 9

Focuses on research concerning the operation of labor markets.

***Economics 2813. Labor and Work Life Forum**

Catalog Number: 1415

Richard B. Freeman and Paul C. Weiler (Law School)

Half course (spring term). W., 4–6. EXAM GROUP: 9

Research and discussion with trade union leaders and management concerning labor issues.

Graduate Courses of Reading and Research

For Graduates

***Economics 3000. Research Paper**

Catalog Number: 4174

Members of the Department

Intended to fulfill the Research Paper Requirement for the Ph.D. degree in Economics.

Ordinarily, this course is taken during the spring term of the second year of graduate study.

***Economics 3005. Reading and Research**

Catalog Number: 3493

Members of the Department

Individual work or work in small groups (with a professor or lecturer in residence) in preparation for the general examination for the Ph.D. 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

Drew Fudenberg 3460, Jerry R. Green 1539, David I. Laibson 1241 (on leave fall term), Markus M. Möbius 3441, Andrew W. Postlewaite (University of Pennsylvania) 4358, Alvin E. Roth 564, and Michael A. Schwarz 2729 (on leave 2003-04)



Half course (fall term; repeated spring term). W., 11:30–1. EXAM GROUP: 4, 5

Serves mainly as a forum for presentations by graduate students of their current research. Work presented can be very preliminary and conjectural.

Prerequisite: Economics 2010a (or 2020a) and 2010b (or 2020b).

***Economics 3163hf. Research in Econometrics**

Catalog Number: 4392

Dale W. Jorgenson 2000, Gary Chamberlain 1745, 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 3390hf. Research in Economic Development**

Catalog Number: 2532

Michael Robert Kremer 2112, Abhijit V. Banerjee (MIT) 1317, Robert J. Barro 1612, Robert H. Bates 1251, Francesco Caselli 1489 (on leave fall term), Asim Ijaz Khwaja (Kennedy School) 3994, Dwight H. Perkins 2300, and Jeffrey G. Williamson 7680 (on leave 2003-04)

Half course (throughout the year). Fall: Tu., at 1; Spring: W., at 1.

Participants discuss recent research in development economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3410dhf. Research in Macroeconomics**

Catalog Number: 2126

N. Gregory Mankiw 1118 (on leave spring term), Robert J. Barro 1612, Susanto Basu (University of Michigan) 3106, Francesco Caselli 1489 (on leave fall term), David I. Laibson 1241 (on leave fall term), and Michael D. Woodford (Princeton University) 4366

Half course (throughout the year). Tu., 12–1:30. EXAM GROUP: Fall: 14, 15

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, Lawrence F. Katz 1480, Judith Li 2144, and Casey Bryant Mulligan (University of Chicago) 4364

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

Marianne Baxter (Boston University) 4350, Richard N. Cooper 7211, Elhanan Helpman 2334 (on leave spring term), and Marc J. Melitz 3499

Half course (throughout the year). W., at 12.

Participants discuss recent research in international economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3650hf. Research in Industrial Organization**

Catalog Number: 3318

Ariel Pakes 1774 (on leave fall term), Richard E. Caves 1414, Gautam Gowrisankaran 4353, Markus M. Möbius 3441, and Julie Holland Mortimer 3993

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

Oliver S. Hart 3462 (on leave 2003-04), Lucian Arye Bebchuk (Law School) 2042, and Louis E. Kaplow (Law School) 3223

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.

***Economics 3723hf (formerly *Economics 3423hf). Research in Financial Economics**

Catalog Number: 4107

John Y. Campbell 1230, George Carl Chacko (Business School) 3175, Rafael La Porta 1466, Jeremy C. Stein 3752 (on leave 2003-04), 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, 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
Ron N. Alkalay, Lecturer on Engineering Sciences
Donald G. M. Anderson, Gordon McKay Professor of 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
Michael S. Brandstein, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
Michael P. Brenner, Gordon McKay Professor of Applied Mathematics and Applied Physics
Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science (*on leave fall term*)
David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering
Brian F. Farrell, Robert P. Burden Professor of Meteorology (*on leave spring term*)
Coral P. Fernandez-Illescas, 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
Robert D. Howe, Gordon McKay Professor of Engineering (*on leave spring term*)
John W. Hutchinson, Abbott and James Lawrence Professor of Engineering (*Co-Director of Undergraduate Studies*)
Daniel J. Jacob, Gordon McKay Professor of Atmospheric Chemistry and Environmental Engineering
R. Victor Jones, Robert L. Wallace Professor of Applied Physics ()
Aleksandar Kavcic, 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 (*on leave spring term*)
Scot T. Martin, Associate Professor of Environmental Chemistry on the Gordon McKay Endowment
Ralph Mitchell, Gordon McKay Professor of Applied Biology
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)



Andrew C. Palmer, Visiting Professor of Engineering
Alfred A. Pandiscio, Senior Lecturer on Electronics on the Gordon McKay Endowment
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 spring term*)
Irvin C. Schick, Lecturer on Engineering Sciences
Garrett B. Stanley, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
Howard A. Stone, Harvard College Professor and Gordon McKay Professor of Chemical Engineering and Applied Mechanics
Vahid Tarokh, Gordon McKay Professor of Electrical Engineering
Joost J. Vlassak, Assistant Professor of Materials Engineering on the Gordon McKay Endowment
Gu-Yeon Wei, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science
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

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.

**Engineering Sciences 50. Introduction to Electrical Engineering**

Catalog Number: 4499

*Roger W. Brockett and Aleksandar Kavcic**Half course (spring term). M., W., F., at 2. EXAM GROUP: 7*

This course discusses 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.

Engineering Sciences 51. Computer-Aided Design

Catalog Number: 0322

*Robert D. Howe**Half course (spring term). M., W., F., at 1. EXAM GROUP: 6*

A first course in the design and construction of mechanical and electromechanical devices. Engineering graphics and sketching; dimensions and tolerances. Introduction to materials selection and structural design. Machine elements and two-dimensional mechanisms; sensors and actuators. 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 Projects**

Catalog Number: 8461 Enrollment: Limited to 25.

*Frederick H. Abernathy and Woodward Yang**Half course (spring term). Th., 4–5:30, M., 4–6. EXAM GROUP: 9, 18*

Group project selected to provide experience in the processes and practice of engineering design. It is the central activity of a design seminar which, ordinarily, is taken in the spring term of the junior year.

Note: Preference given to S.B. candidates.***Cross-listed Courses***



[Earth and Planetary Sciences 30. Environmental Microbiology]

***Freshman Seminar 21p. Human Modification of Environmental Systems**

***Freshman Seminar 21s. Microorganisms in the Biosphere**

For Undergraduates and Graduates

***Engineering Sciences 100. Engineering Design Projects**

Catalog Number: 4268

Robert D. Howe

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical materials fabrication techniques.

Note: Ordinarily taken in the senior year. This one semester version of *Engineering Sciences 100hf is open only to students in special circumstances. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project forms are available in Pierce Hall 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

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



Irvin C. Schick

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 120. Introduction to the Mechanics of Solids

Catalog Number: 1493

Andrew C. Palmer

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, mechanical and chemical engineering, aerodynamics, etc.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b; Engineering Sciences 120 and Applied Mathematics 105a or 105b recommended.

Engineering Sciences 125. Mechanical Systems

Catalog Number: 7274

Frederick H. Abernathy

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Modeling and analysis of mechanical and electromechanical systems. Topics include resonance, damping, frequency response, Laplace transform methods, Lagrange's equations, multiple degree-of-freedom systems, and rigid body rotations. Computer exercises on simulation of linear and nonlinear dynamic systems. Laboratory: experiments on vibration, stabilization, and complex dynamical 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.

Prerequisite: Engineering Sciences 120.

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 and Howard A. Stone

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Introduces students to biomedical problems in the area of cell, tissue, and blood transport, with an emphasis on translation of these ideas to biomedical applications. Students organize in “startup” groups founded around a technical discovery. Seminars and workshops co-organized by the DEAS Technology and Entrepreneurship Center present problems in the biomedical transport area and assist startup teams in the development of business plans and patent applications.

Note: Expected to be given in 2003–04.

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 will include speakers from the biotech community (senior officers of biotech companies and leading scientists). Students participate in the class through group projects in which they will research industries, technologies, preclinical and clinical developments, and markets.

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 frog 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.

Note: Expected to be given in 2003–04.

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 attention to 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 (ES 50 or ES154 or equivalent), basic vector calculus (AM 21a or equivalent), basic differential equations (AM 21b or equivalent) and familiarity with Fourier analysis (some part of AM 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

Michael S. Brandstein

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to computer speech processing and human-machine communication by speech. Acoustic theory and models for speech production. Time- and frequency-domain analysis of speech signals. Speech coding: linear prediction, vector quantization. Vocoder and text-to-speech synthesis. Theory and methodologies for computer speech recognition: dynamic pattern matching, hidden Markov models, neural networks.

Prerequisite: Engineering Sciences 156 or permission of instructor.

Engineering Sciences 158. Digital Communications

Catalog Number: 7721

Aleksandar Kavcic

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Examines the fundamental theories behind modern digital communication systems. Topics include: fundamental limits on communications, channel coding theorem, channel capacity theorem; baseband communications, orthogonal signal bases, matched filter receiver; digital representations of analog signals, sampling; waveform coding; baseband waveform coding; baseband waveform shaping, pulse amplitude modulation and intersymbol interference channels; digital modulation techniques; elements of error-control coding/decoding, viterbi decoding/detection; elements of spread-spectrum communications.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

[Engineering Sciences 159. Introduction to Robotics]

Catalog Number: 3126

Robert D. Howe

Half course (fall term). Hours to be arranged.

Introduction to computer-controlled robotic manipulators. Topics include coordinate frames and transformations, kinematic structure and solutions, statics and dynamics of serial chain manipulators, control and programming, robot design, and actuation and sensing devices. Laboratory exercises provide experience with industrial robot programming and robot simulation and control.

Note: Expected to be given in 2003–04.

Prerequisite: Computer Science 50, and either Engineering Sciences 125 or 156.

Engineering Sciences 162. Hydrology

Catalog Number: 4163

Ana P. Barros and Coral Fernandez-Illescas

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: 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 control of the environment and relates them to underlying scientific principles. Efficient design of environmental management facilities and systems. Cases from aquatic, terrestrial, and atmospheric environments discussed.

Note: For undergraduates or graduates without background in environmental engineering.

Prerequisite: Exposure to the material in Engineering Sciences 101 and Chemistry 7 is recommended; Applied Mathematics 21a or 21b, or equivalent mathematical background is required.

[Engineering Sciences 167. Environmental Assessment]

Catalog Number: 6885

Peter P. Rogers

Half course (spring term). Hours to be arranged.

Examines the methods and approaches to environmental impact assessment currently being used and new approaches which rely on improved scaling and index development. Geographical Information Systems (GIS) will be used extensively. Models of impact and indices for air, water, and land impacts will be examined using data from Asia and North America. Cost-of-remediation and environmental elasticity indicators will be examined and their use in engineering design and regulation of the environment will be assessed.

Note: Expected to be given in 2003–04.

Prerequisite: Familiarity with the material of Earth and Planetary Sciences 5 and Social Analysis 10.

[Engineering Sciences 168. Aquatic Chemistry]

Catalog Number: 5874

Scot T. Martin

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Applications of organic, inorganic, and physical chemistry to describe and quantify processes occurring in natural waters. Thermodynamics and kinetics of aqueous solutions, acid-base chemical transformations, role of dissolved carbon dioxide, gas-water exchange, complexation of aqueous metal ions, precipitation and dissolution, oxidation and reduction, electrical aspects of solid-solution interfaces, particle aggregation, trace metal cycling, and photochemistry.



Note: Expected to be given in 2003–04. Offered in alternate years.

Prerequisite: Chemistry 5 and 7 or equivalent.

Engineering Sciences 181. Thermodynamics

Catalog Number: 3889

Michael J. Aziz

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to engineering thermodynamics with emphasis on 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. Bonding between atoms. Crystal structure and diffraction. Phase transformations: phase diagrams, diffusion, nucleation and growth. Mechanisms of deformation and fracture. Effect of microstructure on properties.

Prerequisite: Engineering Sciences 181 or equivalent, Physics 11 or 15, and Applied Mathematics 21a,b or Mathematics 21a,b.

Cross-listed Courses

[Earth and Planetary Sciences 108. Environmental Geomechanics]

Primarily for Graduates

Additional courses of interest to graduate students in Decision, Control, and Communication include: Economics 2010a, 2010b, 2010c, 2120, 2140; Statistics 110, 171.

Engineering Sciences 201. Decision Theory

Catalog Number: 2362

Irvin C. Schick

Half course (fall term). Tu., Th., 4:30–6. EXAM GROUP: 18

Mathematical analysis of decision making under uncertainty. Axiomatic derivation of subjective probability and utility. Decision trees, normal and 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

Navin Khaneja

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Study of dynamic systems under deterministic and stochastic inputs. Calculus of variations. Maximum principle, mathematical and dynamic programming approaches to the optimization of dynamic systems. Controllability and observability, linear quadratic control synthesis, numerical methods for the solution of optimal control problems, Kalman filtering and estimation. Applications from mechanics, aerospace sciences, environmental systems, operations research, and economics.

Prerequisite: Good background in linear differential equations, matrix algebra, and introductory probability. Applied Mathematics 21a,b or Mathematics 21a,b, and Statistics 110 or equivalent.

Engineering Sciences 203. Stochastic Control

Catalog Number: 6982

Roger W. Brockett

Half course (spring term). 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.

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

Yu-Chi Ho

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.

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

Roger W. Brockett

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

The study of nonlinear input-output systems and the qualitative behavior of dynamical systems. Topics include controllability, observability, uniqueness of models, decomposition theory, asymptotic stability, periodic solutions, and strange attractors. Local and global methods of differential geometry and Lie theory developed and used as needed.

Note: Expected to be given in 2003–04.



[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 given in 2003–04. Offered 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 and Howard A. Stone

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

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.

Prerequisite: An understanding of organic chemistry is strongly recommended. Exceptions will be made with approval of the instructor.

Engineering Sciences 215. Advanced Introduction to Systems Analysis with Physiological Applications

Catalog Number: 5493

Garrett B. Stanley and guest lecturers



Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Students are expected to meet all of the requirements of Engineering Sciences 145 and in addition are required to write a term paper with significant analytic emphasis. Informal discussion groups will be formed to extend material beyond the lectures.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

[Engineering Sciences 218. Advanced Neural Signal Processing]

Catalog Number: 7709

Garrett B. Stanley and guest lecturers

Half course (spring term). Hours to be arranged.

Students are expected to meet all of the requirements of Engineering Sciences 148 and in addition are required to write a term paper with significant analytic emphasis.

Note: Expected to be given in 2003–04.

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. Topics in Computational Neuroscience

Catalog Number: 0696

Garrett B. Stanley

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Survey of current topics in computational neuroscience at the systems level. Discussion will include spike trains, point processes, encoding/decoding, information theory, adaptation and plasticity, and neural system identification, all in the context of biological systems.

Prerequisite: Applied Mathematics 105a and 105b or equivalent, and linear algebra. Coursework in signals and systems and/or control would be ideal.

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.

Prerequisite: Engineering Sciences 220 or permission of the instructor.



[Engineering Sciences 240. Solid Mechanics]

Catalog Number: 2984

John W. Hutchinson

Half course (fall term). Hours to be arranged.

Foundations of continuum mechanics and development of elasticity theory: conservation laws; concepts of stress and strain; theory of constitutive response; mechanical behavior of materials. Vectorial, dyadic, and tensorial form of equations. Elementary elasticity solutions for waves and vibrations; stresses due to rotation, temperature change, dislocations, and surface loading; bending and torsion; buckling instabilities. Plate theory.

Note: Expected to be given in 2003–04.

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

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.

Prerequisite: Engineering Sciences 240 and Applied Mathematics 201 or equivalents.

[Engineering Sciences 242r. Solid Mechanics: Advanced Seminar]

Catalog Number: 5379

John W. Hutchinson

Half course (spring term). Hours to be arranged.

Topics in 2001-02. The mechanics of films and multilayers: deformation, cracking and delamination. Residual stresses in thin films and their origin. Micron scale plasticity and its applications.

Note: Expected to be given in 2003–04.

Prerequisite: Engineering Sciences 240.

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.

Prerequisite: Engineering Sciences 240, or equivalent.

[Engineering Sciences 247. Fracture Mechanics]

Catalog Number: 7152

Joost J. Vlassak



Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Fundamentals of fracture with applications in materials and structural mechanics.

Micromechanics of fracture in ceramics, metals, and polymers. Fracture of composite materials.

Interfacial fracture mechanics. Fatigue crack propagation.

Note: Expected to be given in 2003–04.

Prerequisite: Engineering Sciences 240 or equivalent.

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.

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.

Prerequisite: A course in linear algebra.

Engineering Sciences 257. Advanced Computer Speech Generation and Recognition

Catalog Number: 5006

Michael S. Brandstein

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

The contents and course requirements are similar to Engineering Sciences 157, with the exception that students enrolled in Engineering Sciences 257 are required to prepare a more substantial project analyzing a specific problem or methodology of speech processing.

Prerequisite: Engineering Sciences 156 or permission of instructor.

Engineering Sciences 258. Advanced Digital Communications

Catalog Number: 8645

Aleksandar Kavcic

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

The contents and the course requirements are similar to those of Engineering Sciences 158, with the exception that students enrolled in Engineering Sciences 258 are required to prepare a term project analyzing current research in a specific area of digital communications.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

[Engineering Sciences 259. Advanced Introduction to Robotics]

Catalog Number: 3671



Robert D. Howe

Half course (fall term). Hours to be arranged.

The contents and course requirements are similar to those of Engineering Sciences 159, with the exception that students enrolled in Engineering Sciences 259 are required to prepare a term project analyzing current research in a specific problem area within Robotics.

Note: Expected to be given in 2003–04.

Prerequisite: Computer Science 50 and either Engineering Sciences 125 or 156.

[Engineering Sciences 260. Engineering Systems for Environmental Control]

Catalog Number: 1180

Joseph J. Harrington

Half course (spring term). Hours to be arranged.

Provision of urban water; engineering aspects of collection and disposal of spent water and solid wastes; significant interchanges between gaseous, liquid, and solid phases of the environment; geographic interchanges; time-dependent developments. Data collection and processing for monitoring and control; maintenance and operation of pollution control systems.

Note: Expected to be given in 2003–04.

Prerequisite: Engineering Sciences 123 or permission of instructor.

Engineering Sciences 261. Design of Water Resource Systems

Catalog Number: 3919

Peter P. Rogers

Half course (fall term). Hours to be arranged. 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 omitted in 2003–04. Given in alternate years.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 262 (formerly Engineering Sciences 262r). Advanced Hydrology

Catalog Number: 5658

Ana P. Barros

Half course (spring term). Hours to be arranged.

The contents and course requirements are similar to those in Engineering Sciences 162, with the exception that students are required to conduct extra reading and complete extra assignments.

Prerequisite: Applied Mathematics 21b, or equivalent. Knowledge of statistics and probability is desirable.

[Engineering Sciences 265. Advanced Environmental Geomechanics]

Catalog Number: 1469

James R. Rice

Half course (fall term). Tu., Th., 10–11:30. 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: Expected to be given in 2003–04. Offered 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.

[*Engineering Sciences 267r. Special Topics in Environmental Hydrology]

Catalog Number: 9896

Ana P. Barros

Half course (fall term). Hours to be arranged.

Examines a number of topics fundamental to the understanding of water pathways in the environment including land-atmosphere-biosphere interactions, surface-groundwater interactions, transport phenomena, sediment mobility and landscape evolution, and flood and drought hazards. Special attention given to connecting spatial and temporal scales, and to establishing a scientific basis for the development, restoration and sustainability of landscapes and water resource systems.

Note: Expected to be given in 2003–04.

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 omitted in 2003–04. Offered 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. This seminar will 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 2003–04.

Prerequisite: Required background: basic calculus, differential equations, and basic probability and statistics. Additional desired background: hydrology, geology, fluid mechanics, computer skills.

Engineering Sciences 299r. Special Topics in Engineering Sciences

Catalog Number: 6710

Venkatesh Narayanamurti

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable engineering and applied science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants should 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 202. Introduction to the Dynamics of Atmospheres and Oceans]

Additional courses of interest to graduate students in Environmental Science and Engineering might include courses offered at the Harvard School of Public Health.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Engineering Sciences 303,304. Topics in Electronic Materials and Semiconductor Heterostructure Physics**

Catalog Number: 8668,2824

Venkatesh Narayanamurti 5445

***Engineering Sciences 305,306. Manufacturing—Scheduling and Cycle Times**

Catalog Number: 6157,6159

Frederick H. Abernathy 1047

***Engineering Sciences 307,308. Control Theory, Robotics, Computer Vision, and Intelligent Machines**

Catalog Number: 7566,2719

Roger W. Brockett 3001 (on leave fall term)



***Engineering Sciences 309,310. Design, Sensing, and Control**

Catalog Number: 5043,7419

Robert D. Howe 2789 (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 (on leave spring term)

***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

***Engineering Sciences 329,330. Wireless Communication and Networking**

Catalog Number: 4111,7427

Vahid Tarokh 4368

***Engineering Sciences 331,332. High-Speed/RF Integrated Circuits**

Catalog Number: 9645,9655

Donhee Ham 4519

***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

***Engineering Sciences 343,344. Deformation and Fracture of Materials**

Catalog Number: 3907,2803

John W. Hutchinson 1573

***Engineering Sciences 347,348. Biological Systems Analysis and Control**

Catalog Number: 6761,3310

Garrett B. Stanley 2797

***Engineering Sciences 355,356. Speech and Audio Processing**

Catalog Number: 4605,7048

Michael S. Brandstein 2794

***Engineering Sciences 357,358. Atmosphere-Biosphere Interactions**

Catalog Number: 7661,8060

Steven C. Wofsy 4396

***Engineering Sciences 359,360. Stratospheric Chemistry and Transport**

Catalog Number: 8410,6856

Steven C. Wofsy 4396

***Engineering Sciences 361,362. Atmospheric Chemistry**

Catalog Number: 7238,7514

Daniel J. Jacob 1781

***Engineering Sciences 363,364. Dynamic Meteorology**

Catalog Number: 3756,3757

Brian F. Farrell 7628 (on leave spring term)

***Engineering Sciences 369,370. Urban and Regional Systems Analysis**

Catalog Number: 8775,8768

Peter P. Rogers 2804 (on leave spring term)

***Engineering Sciences 375,376. Environmental Biology**

Catalog Number: 3985,2863

Ralph Mitchell 1587

***Engineering Sciences 381,382. 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, Harvard College Professor and Powell M. Cabot Professor of American Literature (*Chair*)

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language

Jane Brox, Visiting Lecturer on English and American Literature and Language

Robert Brustein, Professor of English (*on leave 2002-03*)

Glenda R. Carpio, Assistant Professor of Afro-American Studies and English and American Literature and Language

Lan Samantha Chang, Briggs-Copeland Lecturer on English and American Literature and Language

Leo Damrosch, Harvard College Professor and the Ernest Bernbaum Professor of Literature (*on leave fall term*)

Daniel G. Donoghue, Professor of English and American Literature and Language (*Acting Director of Undergraduate Studies, 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 (*on leave 2002-03*)

Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature

Marjorie Garber, William R. Kenan, Jr. Professor of English

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities

David Gessner, Lecturer on English and American Literature and Language

Jorie Graham, Boylston Professor of Rhetoric and Oratory

Erik Irving Gray, Assistant Professor of English and American Literature and Language

Stephen J. Greenblatt, John Cogan University Professor

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of



Folklore

Seamus Heaney, Ralph Waldo Emerson Poet in Residence

Yunte Huang, Assistant Professor of English and American Literature and Language

Oren Jeremy Izenberg, Assistant Professor of English and American Literature and Language
(*on leave 2002-03*)

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society

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 Afro-American Studies and on English and American
Literature and Language

Barbara K. Lewalski, William R. Kenan, Jr., Professor of History and Literature and of English
Literature (*Director of Graduate Studies*)

Elizabeth Dyrud Lyman, Assistant Professor of English and American Language and Literature

Douglas Mao, Associate Professor of English and American Literature and Language (*on leave
2002-03*)

Jesse E. Matz, John L. Loeb Associate Professor of the Humanities (*on leave 2002-03*)

Kyoko Mori, Briggs-Copeland Lecturer on English and American Literature and Language (*on
leave 2002-03*)

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 spring term*)

Emmanuel N. Obiechina, Visiting Lecturer of Afro-American Studies and 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

Douglas A. Powell, Briggs-Copeland Lecturer on English and American Literature and
Language

Patricia E. Powell, Briggs-Copeland Lecturer on English and American Literature and Language

Leah Price, Professor of English and American Literature and Language

Ann Wierda Rowland, Assistant Professor of English and American Literature and Language

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

Sharmila Sen, Assistant Professor of English and American Literature and Language

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Michael Shinagel, Senior Lecturer on English

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of
Afro-American Studies (*on leave 2002-03*)

John Stauffer, Associate Professor of English and American Literature and Language and of
History and Literature

Roger E. Stoddard, Senior Lecturer on English

Gordon L. Teskey, Professor of English and American Literature and Language

Jane Marianna Tolmie, Visiting 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



English 10a and 10b, both required of concentrators, are often chosen as entry points to the study of English at Harvard. 10ax or 10bx may be taken as alternatives. Students are invited, however, to begin at any other point that might seem better suited to their interests and level of preparation: a Freshman Seminar taught by faculty members from the English Department; English 97, the Sophomore Seminar that is required of concentrators; English 13, 17, 20, 34, or a 100 level course, all of which are taught in lecture or seminar-like format according to enrollment size; or, space permitting and with instructor consent, a 90 level Undergraduate Seminar or a Creative Writing workshop.

I. Creative Writing

Primarily for Undergraduates

Without approval of the department no student may take more than one full course in Creative Writing in any one year. A Creative Writing course may be repeated for credit provided the student has the permission of the instructor and the Director of Undergraduate Studies of the Department.

***English Capr. Advanced Poetry Workshop**

Catalog Number: 6523 Enrollment: Limited to 15.

Jorie Graham

Half course (fall term; repeated spring term). Th., 2–5. EXAM GROUP: 16, 17

Open by application to undergraduates and graduates alike. Please submit a portfolio including a letter of interest, ten poems, and a list of classes (taken at Harvard or elsewhere) that seem to have bearing on your enterprise. Class will last 3 hours and discussions will include the study of poetic practice in conjunction with the discussion of student work.

***English Cer. Environmental Writing I**

Catalog Number: 8254 Enrollment: Limited to 15.

David Gessner

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Environmental Writing is a nonfiction writing workshop, with a special emphasis on writing about nature and environmental subjects and issues. We will read the work of Thoreau, as well as many contemporary nature writers including Ed Abbey and Annie Dillard, and will focus on the craft elements of creating powerful nature essays. Each student will be expected to finish and revise three essays in the course of the term.

Note: Admission based on previously submitted samples of writing. Science concentrators encouraged to apply.

***English Cfr. Environmental Writing II**

Catalog Number: 8328 Enrollment: Limited to 15.

David Gessner

Half course (spring term). Th., 4–6. EXAM GROUP: 18

See English Cer above.

Note: Admission based on previously submitted samples of writing. Science concentrators encouraged to apply.



***English Ckr. Playwriting Workshop**

Catalog Number: 6781 Enrollment: Limited to 15.

Brighe Mullins

Half course (fall term; repeated spring term). W., 1–4. EXAM GROUP: 6, 7

The focus of this workshop is on writing for the stage. Because plays are written to be performed, theatrical considerations (such as set design) figure into the actual writing of the script: the written word interacts with production elements. With this in mind, we will read plays, attend 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.

Note: Admission based on previously submitted samples of writing.

***English Clr. Screenwriting Workshop**

Catalog Number: 6121 Enrollment: Limited to 15.

Brighe Mullins

Half course (fall term; repeated spring term). Th., 2–5. EXAM GROUP: 16, 17

This workshop will introduce students to the structural format of the screenplay with a focus on text. Assignments will include reading scripts and viewing independent, and commercial, short films, as well as adaptations as practical models for writing a script.

Note: Admission based on previously submitted samples of writing.

***English Cpr. Poetry Writing I**

Catalog Number: 3053 Enrollment: Limited to 15.

Douglas A. Powell

Half course (fall term; repeated spring term). Tu., 1–4. EXAM GROUP: Fall: 15, 16; Spring: 15, 16, 17

A concentrated workshop in poetry writing for those who wish to improve as poets while broadening their knowledge of contemporary American poetry.

Note: Admission based on previously submitted samples of writing.

***English Cpwr. Poetry Workshop**

Catalog Number: 4606 Enrollment: Limited to 15.

Jorie Graham (fall term) and Peter Sacks (spring term)

Half course (fall term; repeated spring term). Fall: W., 3–5; Spring: Th., 1–3. EXAM GROUP: Fall: 8; Spring: 15, 16

Open by application to undergraduates and graduates alike. Please submit a portfolio including five poems, a letter explaining your interest in the class, and a list of relevant classes taken at Harvard or elsewhere. Class discussions will include the study of literary texts alongside work written by students.

***English Cqr. Poetry Writing II**

Catalog Number: 2644 Enrollment: Limited to 15.

Douglas A. Powell

Half course (fall term; repeated spring term). W., 1–4. EXAM GROUP: 6, 7

See *English Cpr above.



***English Crr. Fiction Writing**

Catalog Number: 1893 Enrollment: Limited to 15.

Lan Samantha Chang

Half course (fall term; repeated spring term). Fall: M., 1–3; Spring: Th., 1–3. EXAM GROUP: Fall: 6, 7; Spring: 15, 16

Fiction writing workshop with an emphasis on the short story. We will begin with short exercises and move toward the completion and revision of original work. We will 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 semester continues, we'll devote increasing amounts of time to the discussion of student work. Written assignments will include exercises, two short stories and at least one extended revision.

Note: Admission based on previously submitted samples of writing.

***English Csr. Fiction Writing I**

Catalog Number: 2601 Enrollment: Limited to 15.

Patricia E. Powell

Half course (fall term; repeated spring term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to the techniques and forms of fiction. Classroom discussion of student manuscripts.

Note: Admission based on previously submitted samples of writing.

***English Ctr. Advanced Fiction Writing**

Catalog Number: 7175 Enrollment: Limited to 15.

Lan Samantha Chang

Half course (fall term; repeated spring term). Fall: M., 4–6; Spring: Th., 4–6. EXAM GROUP: Fall: 9; Spring: 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 (spring term). W., 2–4. EXAM GROUP: 7, 8

A seminar/workshop. Readings include Bruno Schultz, Jean Toomer, Robert Walser, and Rimbaud's *Illuminations*, among others.

Note: Admission based on previously submitted samples of writing. Submissions from experienced fiction writers are welcome.

***English Cwr. Fiction Writing II**

Catalog Number: 7765 Enrollment: Limited to 15.

Patricia E. Powell

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An advanced workshop for students who have had experience writing fiction. Student work will



be discussed in class in a workshop format.

Note: Admission based on previously submitted samples of writing.

***English Cyr. Nonfiction Writing**

Catalog Number: 8545 Enrollment: Limited to 15.

Jane Brox

Half course (fall term; repeated spring term). Tu., 1–3. EXAM GROUP: 15, 16

A workshop in nonfiction writing. Class meetings will include discussion 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.

Jane Brox

Half course (fall term; repeated spring term). W., 1–3. EXAM GROUP: 6, 7

An advanced workshop for students who have had experience in writing nonfiction. Class meetings will include discussion 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 are also read.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen. Counts as Literature and Arts A credit. This course, when taken for a letter grade, meets the Core arearequirement for Literature and Arts A.

English 10ax. Major British Writers I

Catalog Number: 8342

John Parker

Half course (spring term). Tu., Th., at 11 and an additional hour to be arranged. EXAM GROUP: 13

Same scope as 10a, satisfies same concentration requirement, but not Core Literature and Arts A requirement.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen.



English 10b. Major British Writers II

Catalog Number: 0550

Leo Damrosch

Half course (spring term). M., W., at 10 and an additional hour to be arranged. EXAM GROUP: 3

An introduction to the study of British literature from the early 19th century to the present. Emphasis on lyric poetry and the novel; two modern plays are also read.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 10bx. Major British Writers II

Catalog Number: 4653

Erik Gray

Half course (fall term). Tu., Th., at 1 and an additional hour to be arranged. EXAM GROUP: 15
Same scope as 10b, satisfies same concentration requirement, but not Core Literature and Arts A requirement.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen.

[English 13. The English Bible]

Catalog Number: 6532

Robert J. Kiely

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 17. American Literature to 1860

Catalog Number: 3883

Elisa New

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An introduction to the study of American literature, 1620–1860, from Anne Bradstreet and Benjamin Franklin to Frederick Douglass and Walt Whitman. Readings include the canonical texts of the American literary renaissance by Emerson, Whitman, Thoreau, Hawthorne, and Melville, as well as major writings “mainstream” and “marginal” from a variety of genres, including Native American myths, captivity and slave narratives, sermons, autobiographies, and short stories.

[English 34. Elements of Rhetoric]

Catalog Number: 3820

James Engell

Half course (spring term). Hours to be arranged.

Classical rhetorical theory, as originating with Aristotle, in contemporary applications. The nature of rhetoric in modern culture; practical examples drawn from American history and



literature 1765 to present; written exercises and (class size permitting) attention to public speaking; briefly treats the history and educational importance of rhetoric in the West; stresses theory and practice as inseparable; non-concentrators encouraged.

Note: Expected to be given in 2003–04.

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). Hours to be arranged.

The Caribbean is a place for tourists, a paradise; it is an area of contemporary poverty, a realm of natural disasters; it is the promise of sugared profit and the site of unspeakable taboo acts; it is Caliban's fate. And perhaps it is none of these things. We shall focus on some of the current questions in Caribbean fictions, paying attention to the genealogies of such concerns and debates. Readings include works by Behn, Rhys, Naipaul, Lamming, Harris, Phillips, Condé, Cliff, and Powell among others.

Note: Expected to be given in 2003–04.

***English 90ct. Medieval Romance: Life before the Novel**

Catalog Number: 8737

Jane Marianna Tolmie

Half course (fall term). Hours to be arranged.

This course explores the fantastic world of medieval romance from Chrétien de Troyes through the later medieval period. Texts include *King Horn*, *Bevis of Hampton*, *Sir Gawain and the Green Knight*, the alliterative *Morte Arthure* and Malory's *Le Morte Darthur*. The course also considers the representation of chivalric ideals and Arthurian material in 20th-century films such as Bergman's *The Seventh Seal* (1957), Bresson's *Lancelot du Lac* (1974), and Boorman's *Excalibur* (1981).

***English 90fj. Ben Jonson**

Catalog Number: 6020

John Parker

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A two-time murderer and dedicated adulterer, repeatedly imprisoned for the scandalous content of his plays; a drunk who inspired near-religious admiration in his fellow drinkers, a learned classical scholar, poet of enormous talent, and arguably the first author in the modern sense. We'll ask to what extent this one man both represents and repudiates the "Renaissance," and what it means to pursue such broad historical questions through the narrow confines of an individual's oeuvre.

***English 90hs. Satire: Augustan and Modern**

Catalog Number: 8795

Michael Shinagel



Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A study of satire in poetry, prose fiction, and drama. Among the authors to be read are Dryden, Swift, Pope, Johnson, Gay, Voltaire, Orwell, Brecht, Vonnegut, and West.

***English 90if. Going Underground in 19th-Century Literature**

Catalog Number: 4727

John M. Picker

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

New theories and discoveries in geology, biology, economics, and psychology fueled the 19th-century subterranean imagination. The underground became a space where writers encountered the distant past and future as well as the social underworld of their present. We will consider the ways Victorian novelists, poets, scientists, and journalists explored and exposed “the buried life.” Some likely authors: Dickens, Carroll, Bulwer-Lytton, Lyell, Arnold, Gissing, Haggard, Hardy, Wells, and Conrad, with sideways glances at Poe, Verne, and Doestoevsky.

***English 90li. The Idea of Ireland**

Catalog Number: 3142

Robert J. Kiely

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Literary representations of Ireland and “the Irish” in the English language. Emphasis will be on 19th- and 20th-century authors, including Synge, AE, Lady Gregory, Yeats, Joyce, Heaney, and Friel.

***English 90pb. Dramatic Structure and Analysis**

Catalog Number: 4661

Robert Scanlan

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

This course introduces the Plot-Bead technique for analyzing and/or constructing artistic forms that are performance events. Ten 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 reflected in 20th-century practice.

***English 90qb. Celebrated Plays: Award Winning American and British Drama, 1992-2002**

Catalog Number: 8426

Elizabeth Dyrud Lyman

Half course (fall term). Tu., 2-4. EXAM GROUP: 16, 17

In this class we’ll read the most celebrated plays of the last ten years as measured by their selection for major theater awards. We’ll also study the culture of awards and try to uncover patterns, agendas, and biases (if any) in individual competitions. 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 90qt. Early 20th-Century British Poetry**

Catalog Number: 1786



Peter Sacks

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This seminar will be devoted to the poetry of four English poets from the early twentieth century. Thomas Hardy, Wilfred Owen, Edward Thomas, and D.H. Lawrence will be the particular authors. We shall read their work with close attention to individual poems as well as to the historical and literary background. In the cases of Owen and Thomas, we shall necessarily explore the relation of poetry to the First World War. Other poets may be read for comparison – Rosenberg, Housman, Kipling, Sassoon, Riding, Stevie Smith.

***English 90qv. Women on the Verge: 20th-Century American Women Playwrights**

Catalog Number: 8226

Elizabeth Dyrud Lyman

Half course (spring term). M., 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 texts by "women on the verge" whose brilliant solutions to form-content issues have had a profound impact (many 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., 2–4.

This course 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 will supplement reading and discussion of texts, and local productions of the plays will be studied when available.

***English 90sh. The Poetry of Seamus Heaney**

Catalog Number: 5722

Helen Vendler

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A study of the poetry of Seamus Heaney, with some attention to his prose. Topics: abstraction and topicality; the ethnic and the national; the erotic; gravity and lightness; the informality of the formal; allegorical, anthropological, and autobiographical forms of voice; the perceptual versus the conceptual.

[*English 90tc. On Reading Poetry]

Catalog Number: 5289

Jorie Graham

Half course (spring term). Hours to be arranged.

This course will explore what work poems undertake and what work they therefore ask of the reader. We will examine one primary poem (by a different poet) each week. Two short papers



and some supplementary reading required.

Note: Expected to be given in 2003–04.

[*English 90ui. The Indian Novel in English]

Catalog Number: 4187

Sharmila Sen

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

***English 90un. Gender and Nation in 19th-Century British Literature**

Catalog Number: 8823

Ann Wierda Rowland

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This course investigates the entanglement of gender and nation in 19th-century British poetry and fiction, paying particular attention to literature’s role in the production and representation of both. Authors will include Coleridge, Byron, Scott, Charlotte Brontë, Tennyson, Eliot and Stoker.

***English 90uz (formerly English 188b). American Literature in the Age of Transpacific Imagination**

Catalog Number: 9078

Yunte Huang

Half course (fall term). M., 1–3. EXAM GROUP: 7

A rethinking of the multicultural, polyvocal nature of American literature against the palimpsestic backdrop of American history. We envision the Pacific as the new geopolitical center of the world in the 21st century and see the US as a Pacific nation. We explore works that imagine the Pacific in the past 150 years or so, works that represent both canonical American and Asian-American literature (Melville, Twain, Adams, Pound, Kingston, Cha, Mukherjee, Hagedorn).

***English 90vo. The Oral Tradition and Literature in Africa**

Catalog Number: 9876

Emmanuel N. Obiechina

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This seminar will explore the field of oral narrative in Africa and the part which it plays in the life and cultures of African peoples and in giving shape to such classical African works as *Sundiata*, *Things Fall Apart*, *The Ozidi Saga*, and *The Marriage of Anansewa*. We investigate the world of the oral artist, his personality, and the different genres and stylistic qualities of oral literature in Africa. Attention will be given to the performance techniques adopted by different oral practitioners.



Note: The student will undertake a project to record and annotate an oral narrative or poem or play, and to present it to the class towards the end of the course.

Tutorials, for Undergraduates Only

***English 91r. Supervised Reading and Research**

Catalog Number: 1464

Elisa New and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses.

Note: A graded course. Offered only by professors, assistant and associate professors, and senior lecturers. May not be taken more than twice and only once for concentration.

***English 97. Seminar—Sophomore Year**

Catalog Number: 0280

Elisa New and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Introduction to methods of literary analysis. Selected texts in English and American literature studied along with readings in theory and criticism. 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: Open only 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 semesters required of all thesis honors seniors. To enroll, students must submit for approval a Thesis Proposal.

Prerequisite: Satisfactory completion of one semester 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). Tu., Th., at 12. EXAM GROUP: 14



A survey of the changes in English phonology, morphology, syntax, spelling, and vocabulary, from the earliest times to the present. Along the way we also explore such topics as attitudes toward language, the impact of political and economic changes, literacy, attitudes toward grammar, the rise of American English, language and social class, and language and gender.
Note: No previous knowledge of linguistics, Anglo Saxon, or Middle English is required.

English 102e. Anglo-Saxon Language and Culture: Introduction to Poetry

Catalog Number: 1128

Joseph C. Harris

Half course (fall term). M., W., 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 semester 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: Religious Perspectives on *Beowulf*

Catalog Number: 6728

Joseph C. Harris

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Close reading of one-third to one-half of the epic in the original, the rest in the Heaney translation. Criticism and scholarship on the religious backgrounds of the poem and readings in other primary sources (both Christian and pagan) in translation. This course builds on English 102e, continuing the language study and cultural survey of the first semester, but with focus on the relevant religions and on *Beowulf* as the central poetic monument.

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). M., W., at 11. EXAM GROUP: 4

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 some of his minor works will.)

Note: 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 11. EXAM GROUP: 13

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). Tu., Th., at 1; M., at 10; M., at 11; Th., at 5. EXAM GROUP: 15

This course will explore 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 the final segment of the course, students will get a packet of source materials for a lost Shakespeare play and be asked to invent scenes he might have written.

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. Also included will be a few plays by Shakespeare that seem especially meaningful in this context (*Romeo and Juliet*, *A Midsummer Night's Dream*, *Richard II*, *Hamlet*).

English 127. Renaissance Narrative in Poetry and Prose

Catalog Number: 4743

Gordon L. Teskey

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A course on narrative fiction in the age of Shakespeare. We will 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 will consider Renaissance anxieties about fiction – is it lying? – and the emergence of the concept of literature.

[English 130. 17th-Century Poetry and Prose]

Catalog Number: 4789

Barbara K. Lewalski

Half course (spring term). Hours to be arranged.

Primary focus on the major poets Donne, Jonson, Herbert, and Marvell, with attention also to other writers, men and women, the genres they practiced and their cultural milieu.

Note: Expected to be given in 2003–04.

English 131. Milton: Major Poetry and Prose

Catalog Number: 8005

Barbara K. Lewalski

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

A comprehensive study of Milton's career. We will 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.



English 132. Metaphysical Poetry

Catalog Number: 0233

Gordon L. Teskey

Half course (fall term). M., W., at 12. EXAM GROUP: 5

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.

English 144. Early Modern Literature: Six Voices, Six Visions

Catalog Number: 5775

James Engell

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Selected works of Pope, Swift, Johnson, Wollstonecraft, Gibbon, and Burke. Examines the world views and characteristic stances of writers each with a strong, enduring vision of the moral life facing challenges of a modern world. This literature, mostly non-fiction prose but including some poetry, engages social reform, practical politics, history, gender, cultural and literary values. Its modes and genres embrace essays, historical narrative, political debate, prose argument, and satire; active discussion of the relevance of this literature for readers today.

English 149. Gothic

Catalog Number: 7198

Ann Wierda Rowland

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

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 will 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*.

English 150. British Romantic Poetry

Catalog Number: 5274

Ann Wierda Rowland

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Readings in the poetry of Smith, Blake, Burns, Scott, Wordsworth, Coleridge, Byron, Hemans, Shelley, and Keats.

Note: 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

Elaine Scarry

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

Realism and the problem of consciousness, social knowledge, mobility, the city, and the fantastic



within experience. The ethos of self-construction and its recognition of childhood; the irrational, the accidental, and the unconscious. Binary structures, the biographical and the social form of fiction. Authors include: Austen, Scott, Emily Brontë, Charlotte Brontë, Dickens, Eliot, Hardy, and Conrad.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 154. Major British Poets, 1830-1900

Catalog Number: 8644

Erik Gray

Half course (spring term). M., W., at 1. EXAM GROUP: 6

This course offers an introduction to English poetry of the Victorian period. We will devote significant attention to Alfred Tennyson and Robert Browning and to their most important generic innovation, the dramatic monologue. In the second half of the course we survey a range of authors (Hopkins, Barrett Browning, Rossetti, Hardy) and poetic forms, including love poetry, elegy, sonnets, and religious verse.

English 158e. T.S. Eliot

Catalog Number: 7636

Peter Sacks

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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 will 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 160. The British Novel After Henry James

Catalog Number: 7052

Philip J. Fisher

Half course (fall term). M., W., at 12. EXAM GROUP: 5

From James' *Wings of the Dove* to Ian McEwan's *Atonement*. Topics include: modernism and its aftermath; the novel of consciousness; memory, time, and history; experimentation and its renormalization. Novels include, in addition to James and McEwan: Conrad, *Heart of Darkness*; Lawrence, *The Rainbow*; Woolf, *To the Lighthouse*; Joyce, *Portrait of the Artist as a Young Man*; Naipaul, *A House for Mr. Biswas*; Lessing, *The Fifth Child*; Coetzee, *Disgrace*; Sebald, *The Emigrants*.

English 162c. Making it New: Modern Drama from Ibsen to Kushner

Catalog Number: 4717

Elizabeth Dyrud Lyman

Half course (fall term). M., W., at 1. EXAM GROUP: 6

The quest for “newness” has been a constant feature of literary history. Most works now considered “classic” once seemed startling and unfamiliar. What makes a work seem new? How does newness become absorbed over time into the larger literary tradition? The new is



particularly effecting in dramatic works where characters literally leap from the page to demand our attention. In this survey course, we will try to recapture that lost sense of the new.

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 it was an economic or political venture. Our study will focus on their reflections on the problematic project of joining diverse cultures and distant territories in a global network and on the role of figurative language and fictional forms in imagining community and communication on a global scale.

[English 167p. Postcolonial Narratives]

Catalog Number: 2511

Sharmila Sen

Half course (spring term). Hours to be arranged.

This course is an investigation of the major concerns, paradigms, and quarrels within postcolonial literary studies. While reading authors such as Achebe, Conrad, Dabydeen, Dangarembga, Ghosh, Phillips, Rushdie, and Salih, we shall pay close attention to the continuities and the discontinuities of the postcolonial experience as represented in literary texts from Africa, the Caribbean, and South Asia.

Note: Expected to be given in 2003–04. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

English 172. 19th-Century American Novel (formerly Rise of the American Novel)

Catalog Number: 2706

John Stauffer

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

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*; James, *The American*; 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*.

English 174. Five Modern Poets: Eliot, Stevens, Moore, Frost, Williams

Catalog Number: 6054

Helen Vendler

Half course (spring term). M., W., at 12. EXAM GROUP: 5

A study of the different modernities - international, regional, theoretical, allegorical, and functional - articulated by five American poets, and of the results in language, prosody, theme, and implicit polemic.



English 175. American Literary Emergence

Catalog Number: 3894

Lawrence Buell

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Intensive study of the formative period of American writing, with special attention to the Transcendentalist movement (Emerson and Thoreau), the rise of American fiction (Hawthorne, Melville, and others), the rise of American poetry (Whitman and Dickinson), and slave narrative (Douglass, Jacobs).

Note: 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). Tu., Th., at 2. EXAM GROUP: 16

An examination of protest literature in the United States from the American Revolution to the rise of Hip Hop. We explore how various modes of protest function as aesthetic, performative, rhetorical, and ideological texts within their cultural context. Texts include photographs, speeches, music (folk, jazz, rap), and writings by Thomas Paine, Garrison, Stowe, Thoreau, Whitman, Douglass, Bellamy, Ida Wells Garnet, Gilman, Goldman, McKay, Hughes, Debs, Steinbeck, Wright, Ellison, Baldwin, Lorde, Friedan, Hoffman, others.

English 178x. The American Novel from Dreiser to the end of the Century

Catalog Number: 2168

Philip J. Fisher

Half course (spring term). M., W., at 12; Th., at 10; Th., at 11. EXAM GROUP: 5

A survey of the 20th-century novel, its forms, patterns of ideas, techniques, cultural context, rivalry with film and radio, short story, and fact. Dreiser, *Sister Carrie*; Wharton, *The House of Mirth*; Jack London, *Stories*; Cather, *A Lost Lady*; Anderson, *Winesburg, Ohio*; Hemingway, *A Farewell to Arms* and stories; Faulkner, *The Sound and the Fury* and stories; Fitzgerald, *Tender is the Night*; Ellison, *Invisible Man*; Nabokov, *Lolita*; Bellow, *Herzog*; Pynchon, *The Crying of Lot 49*; DeLillo, *White Noise*.

Note: Graduate section offered.

[English 181. Introduction to Literary Theory]

Catalog Number: 2096

Barbara E. Johnson

Half course (fall term). Hours to be arranged.

The course will focus on several recurring questions: mimesis (Plato, Auerbach, Derrida, Said), figure (Aristotle, Jakobson, Lacan), post-colonialism (du Bellay, Lévi-Strauss, Fanon, Spivak), language (Aquinas, Mallarmé, Saussure, Gates), authorship (Woolf, Foucault, Barthes, Gilbert & Gubar), media and the means of representation (Lessing, Freud, Benjamin, Moulthrop). By juxtaposing older texts with twentieth-century texts, we will analyse historical differences along with recurring questions.

Note: Expected to be given in 2003–04.



[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 2003–04.

English 185 (formerly *English 90uw). Wit and Humor

Catalog Number: 3941

Leo Damrosch

Half course (spring term). Tu., Th., at 12; F., at 2. EXAM GROUP: 14

Emphasizing wit and humor rather than “comedy” as classically understood, the course will consider 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 188a. Asian-American Literary Tradition

Catalog Number: 7768

Yunte Huang

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A survey of Asian-American literature, closely reading canonical texts while investigating the formation of the canon itself. Readings include Sui Sin Far, Lin Yutang, Maxine Hong Kingston, Theresa Cha, Jessica Hagedorn, Lois-Ann Yamanaka, John Yau, and Bharati Mukherjee.

English 190. Major Critical Approaches

Catalog Number: 0283

James Engell

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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: Graduate section offered.

English 190x. Philosophy and Literature: The Problem of Consent

Catalog Number: 0561

Elaine Scarry

Half course (spring term). W., 2–3:30. EXAM GROUP: 7, 8

“Consent” in literature, medicine, political philosophy, and law. Four major topics are freedom of movement (Locke’s *Second Treatise*, Dickens’s *A Tale of Two Cities*, DeQuincey’s *English Mail-Coach*, Harlan’s dissent in *Plessy v. Ferguson*), constitution and contract-making



(European city contracts, Shakespeare's *A Midsummer Night's Dream*, *Federalist Papers*), the grounding of consent in the body (Plato's *Crito*, Euripides' *Hecabe*, Donne's poetry, Rousseau's *Social Contract*, contemporary medical case law), and decision making in war (Homer's *Iliad*, Sophocles' *Philoctetes*).

English 192p. Postmodern Literature

Catalog Number: 5249

Glenda R. Carpio

Half course (spring term). M., W., at 1. EXAM GROUP: 6

This course discusses novels classified by the term "postmodern" and investigates what ideological and stylistic qualities such novels share. Our class will question 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?

English 194. Political Theatre and the Structure of Drama

Catalog Number: 0417

Elaine Scarry

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

The estranged, didactic, intellectual theatre of Brecht, and the ritualistic, emergency theatre of Artaud serve as reference points for a range of American, English, and Continental plays. The unique part played by "consent" in theatrical experience. Emphasis on the structural features of drama: establishing or violating the boundary between audience and stage; merging or separating actor and character; expanding or destroying language. Readings include Brecht, O'Neill, Artaud, Genet, Pirandello, Beckett, and such earlier authors as Euripides and Shelley.

English 195m. Money Talks

Catalog Number: 7489

Marc Shell

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Money and language as means of representation, exchange, and production. Principal literary texts include works by Shakespeare, Melville, Poe, Thoreau, Ruskin, Joyce, and Martineau as well as attention to novels where a coin is the narrator and to coins inscribed with poetic epigrams. Special consideration of the economics of literature from Aristotle to Heidegger, the relationship between monetary and aesthetic form in visual arts and cinema, and various theories of money as social fiction.

English 196n. Reading Africa in Selected African Novels

Catalog Number: 9669

Emmanuel N. Obiechina

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This course will explore African life and experience, history and culture, through selected texts written in English (or in English translation) by outstanding African novelists from different regions of sub-Saharan Africa. We will attempt to interpret the continent through the visions of its gifted storytellers. Emphasis on the techniques and narrative devices adopted to depict local



realities of environment, to construct individual identities, and to explore interpersonal relationships and individual adjustment to social, cultural, and historical changes.

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. Afro-American Literature to the 1920s

Afro-American Studies 138z. Interracial Literature

Afro-American Studies 175. Visions of Africa

Afro-American Studies 180. Introduction to African Literature

Comparative Literature 174. American Babel

[Comparative Literature 182. Comparative Cultures of Money]

***Comparative Literature 227. Fictions of Kin and Kind in the Renaissance: Seminar**

[*Comparative Literature 269. Paralysis: Seminar]

Comparative Literature 278. Moses and Multiculturalism

[*Comparative Literature 283. Language War: Seminar]

[*Comparative Literature 285. Comparative Romantic Theory: Seminar]

***Comparative Literature 299ar (formerly *Comparative Literature 299a). Literary Theory: Proseminar**

Dramatic Arts 64. Dramatic Literature from the Greeks to Ibsen

***Folklore and Mythology 104. Theory and Methodology of Folklore and Mythology**

***Freshman Seminar 32k. The Poetry of Walt Whitman**

***Freshman Seminar 32p. Charles Dickens**

***Freshman Seminar 32z. Family Sagas and the Literature of Medieval Scandinavia**

Freshman Seminar 33x. Complexity in Works of Art: *Ulysses* and *Hamlet

***Literature 133. Poets as Critics**

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]

[*Scandinavian 200a. Introduction to Old Norse]

[Scandinavian 200br. Old Norse Literature: Edda and Saga]



Primarily for Graduates

***English 203. Early English Women Writers - Julian of Norwich and Margery Kempe: Graduate Seminar**

Catalog Number: 3452

Nicholas Watson

Half course (spring term). W., 11–1. EXAM GROUP: 4, 5

An intensive study of two visionary writers and their context. Besides *A Revelation of Love* and *The Book of Margery Kempe*, we will read other contemporary works, including *The Scale of Perfection* and *The Cloud of Unknowing*.

***English 222. Renaissance Life Studies: Graduate Seminar**

Catalog Number: 0268

Stephen J. Greenblatt

Half course (fall term). Hours to be arranged. EXAM GROUP: 5, 6

What is an author? Examination of the biographies of Early Modern writers and the uses we can make of these lives in literary and cultural interpretation. Writers may include More, Spenser, Marlowe, Shakespeare, Donne, among others.

[*English 228y. Milton and His Contemporaries: Literature and Politics in the Era of Revolution (1629–1674): Graduate Seminar]

Catalog Number: 1277

Barbara K. Lewalski

Half course (fall term). Hours to be arranged.

Milton's works, poetry and prose, examined in relation to various texts—literary, subliterate, political—which refract the experience and culture of the revolutionary era in England.

Contemporary texts include the poetry of Vaughan, Herrick, the Cavaliers, and Marvell, as well as histories, sermons, political tracts, letters, and biography.

Note: Expected to be given in 2003–04.

***English 229s. Spenser: Graduate Seminar**

Catalog Number: 1130

Gordon L. Teskey

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An introduction to Spenser's poetry, concentrating on *The Faerie Queene*. We will discuss such problems as the theory of allegory and the relation between Spenser's poetry and English romanticism.

***English 232p. Authorship and the Sites of Literary Production, 1603-40: Graduate Seminar**

Catalog Number: 9054

Barbara K. Lewalski

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Reading several male and female authors including Donne, Jonson, Wroth, and Herbert, we will explore what ideas of authorship and audience and what genres arise at specific sites--court, church, City of London, landed estates, coteries, domestic household.



***English 237. The Poetry of W.B. Yeats: Graduate Seminar**

Catalog Number: 9188

Helen Vendler

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A study of the complete lyric poetry of W.B. Yeats. Emphasis on generic and formal innovation, within the context of inventing an Irish national literature.

[*English 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 2003–04. Open to qualified undergraduates.

***English 242. Restoration & 18th-Century Writers**

Catalog Number: 9175

James Engell

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Dryden, Pope, Swift, Johnson, Burke, Gibbon, Montagu, and others; the lyric, periodical literature, satire, biography, and drama; relations of engaged literature with politics, religion, history; issues of audience, gender, class, and canon.

Note: An intensive introduction to 18th-century literature at the graduate level. Presupposes no previous acquaintance with field. Graduate students who have studied some 18th-century literature should consult with the instructor. Open to qualified honors undergraduates.

***English 252. The Representation of Labor in the 19th-Century Novel**

Catalog Number: 2106

Elaine Scarry

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

How far narrative can accommodate and express the nature of human labor is explored in a study of three 19th-century British writers, Dickens, Eliot, and Hardy, as well as in novels and short stories by Turgenev, Zola, Tolstoy, Stowe, and Melville. Background readings on the social and philosophic theory of work.

***English 253. Austen, James, and the Novel of Strategy**

Catalog Number: 4625

Philip J. Fisher

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A range of novels by Austen and James along with works by Trollope, Conrad, and McEwan to examine and expand such concepts as plot, agency, responsibility, collective action, complete and incomplete knowledge, moves and strategies, outcomes, equilibrium, loss, and denied gain.

***English 254. 19th-Century Poetry and Poetics: Graduate Seminar**

Catalog Number: 1301



Erik Irving Gray

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A study of selected major poetry collections, and of criticism and theories of prosody from then and now. In short, what they did; what they thought they were doing; and what we think they were doing.

***English 256. Victorian Cultural Studies: Graduate Seminar**

Catalog Number: 4527

John M. Picker

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

A seminar on the theory and practice of Victorian Cultural Studies. Reading and archival research in the Victorians and their media, with attention to questions of class, gender, professionalism, science, education, degeneration, and the urban condition.

Note: Open to qualified undergraduates with instructor permission.

***English 276x (formerly *English 90vl). African-American Literary Tradition: Graduate Seminar**

Catalog Number: 3536

Henry Louis Gates, Jr.

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Explores the emergence and formal development of the African-American literary “tradition” from the 18th to the 20th century. Close reading of the canonical texts in the tradition and their structural relationships is stressed, as is the very idea of “tradition” itself. Authors include Phillis Wheatley, Frederick Douglass, Harriet Jacobs, Booker T. Washington, Ralph Ellison, Toni Morrison, Alice Walker, Gloria Naylor, Amiri Baraka, Gwendolyn Brooks, and others.

***English 277. American Literature Now: Classic Texts/New Approaches, Graduate Seminar**

Catalog Number: 6596

Lawrence Buell

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Major works by Emerson, Hawthorne, Melville, James, Cather, Faulkner, and Ellison, read vis-à-vis such important emphases in recent Americanist criticism as critical race studies, postnationalism, pragmatism, queer theory, book history, and ecocriticism.

***English 282p. Modernism and Avant-Garde Poetics: Graduate Seminar**

Catalog Number: 6390

Yunte Huang

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Describe a scribe who cribs with a rib - the story of one language, two dictionaries, several punctuation marks, many typos and a few foreigners. Dickinson, James, Stein, Joyce, Pound, Ethnopoetics, Language Poetry, Benjamin, Wittgenstein, and Deleuze.

***English 296. Descriptive and Analytical Bibliography: Graduate 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 (spring term). Th., 3–5. EXAM GROUP: 17, 18

Interactions between concepts central to literary theory - *genre* and ‘textuality’, writing and ‘difference’, ethics and interpretation, narrative and cultural translation - and literature embodying such concerns. Barthes, Habermas, Derrida, Lacan, Carey, Forster, Ghosh, Morrison, Rushdie, others.

Graduate Courses of Reading and Research

***English 300hf. Old and Middle English: Doctoral Conference**

Catalog Number: 2334

Daniel G. Donoghue 1469, Joseph C. Harris 1089, and Nicholas Watson 3851

Half course (throughout the year). Fall: 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, Barbara K. Lewalski 7450, John Parker 3729, and Gordon L. Teskey 4466

Half course (throughout the year). Alternate W., at 4:15.

The Conference focuses upon theses in progress and other research topics of mutual interest. Membership limited to faculty members teaching or conducting research in Renaissance literary studies and to graduate students working in this field who have completed required course work for the Master’s degree.

Note: Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the PhD and who intend to work on Renaissance topics.

***English 304hf. The Extended 18th Century: Doctoral Conference**

Catalog Number: 6110

Leo Damrosch 2200 (on leave fall term), James Engell 8076 (on leave spring term), Lynn Mary Festa 2331 (on leave 2002-03), 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

The Conference focuses on theses in progress and other research topics of mutual concern.

Note: Membership limited to faculty members teaching or conducting research in 19th- and 20th-century British and American fiction and to graduate students working in the field.

Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the PhD and who intend to work in the field.

***English 306hf. 19th- and 20th-Century British Literature: Doctoral Conference**

Catalog Number: 5268

Robert J. Kiely 1621 (on leave spring term), Erik Irving Gray 3726, Oren Jeremy Izenberg 2365 (on leave 2002-03), Douglas Mao 3727 (on leave 2002-03), Jesse E. Matz 2169 (on leave 2002-03), Leah Price 3501, and Ann Wierda Rowland 2582

Half course (throughout the year). Hours to be arranged.

***English 308hf. Drama: Doctoral Conference**

Catalog Number: 6909

Elaine Scarry 2206 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 spring term), and Werner Sollors 7424 (on leave 2002-03)

Half course (throughout the year). Hours to be arranged.

Colloquium open to all graduate students working in the area of American literature and culture. Papers delivered by students writing seminar papers or theses, faculty members, and visiting scholars.

***English 311 (formerly *English 311hf). The Teaching of Literature: Doctoral Conference**

Catalog Number: 8208

Marjorie Garber 7264, Barbara K. Lewalski 7450, Ann Wierda Rowland 2582, and staff

Half course (fall term). M., 4–6. EXAM GROUP: 7, 8

Note: Open to all graduate students and required of all third-year graduate students.

***English 314hf. 20th-Century Literature and Cultural Theory: Doctoral Conference**

Catalog Number: 1410

Homi K. Bhabha 4100, Barbara E. Johnson 7626, and Sharmila Sen 2509

Half course (throughout the year). Hours to be arranged.

This colloquium is open to all graduate students and faculty working in 20th-century literature



and cultural theory. Topics include African-American literature, contemporary literature, drama, film and/or performance, modernism, literary and cultural theory, postcolonial studies, and postmodernism. Work in progress, as well as dissertation chapters and potential articles and conference papers, will be encouraged.

***English 397. Directed Study**

Catalog Number: 6588

Members of the Department

***English 398. Direction of Doctoral Dissertations**

Catalog Number: 5968

Homi K. Bhabha 4100, Robert Brustein 7042 (on leave 2002-03), Lawrence Buell 2655, Glenda R. Carpio 4408, Lan Samantha Chang 4451, Leo Damrosch 2200 (on leave fall term), Daniel G. Donoghue 1469, James Engell 8076 (on leave spring term), Philip J. Fisher 1470, Marjorie Garber 7264, Henry Louis Gates, Jr. 2899, Jorie Graham 2358, Stephen J. Greenblatt 3436, Joseph C. Harris 1089, Barbara E. Johnson 7626, Robert J. Kiely 1621 (on leave spring term), Barbara K. Lewalski 7450, Elizabeth Dyrud Lyman 4433, Brighde Mullins 4409, Elisa New 2428 (on leave spring term), Douglas A. Powell 4179, Peter Sacks 2161 (on leave fall term), Elaine Scarry 2206, Marc Shell 3176, Michael Shinagel 7659, Werner Sollors 7424 (on leave 2002-03), John Stauffer 1006, Gordon L. Teskey 4466, Helen Vendler 7226, and Nicholas Watson 3851

Note: Normally limited to students reading specifically in the field of a proposed doctoral thesis. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

***English 399. Reading and Research**

Catalog Number: 1825

Members of the Department

Note: Conducted through regular conferences and assigned writing. Limited to students reading specifically on topics not covered in regular courses. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

Environmental Science and Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Environmental Science and Public Policy



James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology (*Chair, Head Tutor*)

William C. Clark, Sidney Harman Professor of International Science, Public Policy, and Human Development (*Kennedy School*)

Göran Ekström, Professor of Geology and Geophysics

Richard T. T. Forman, Professor of Advanced Environmental Studies in the Field of Landscape Ecology (*Design School*)

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy

N. Michele Holbrook, Professor of Biology

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

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)

Daniel P. Schrag, Professor of Earth and Planetary Sciences

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Other Faculty Offering Instruction in Environmental Science and Public Policy

Stephen T. Curwood, Visiting Lecturer on Environmental Science and Public Policy

Henry Ehrenreich, Clowes Research Professor of Science

James S. Hoyte, Lecturer on Environmental Science and Public Policy

Andrew W. Torrance, Lecturer on Environmental Science and Public Policy

The concentration in Environmental Science and Public Policy is administered by the Department of Earth and Planetary Sciences. It is overseen by a Standing Committee functioning as a Board of Tutors including representatives from other departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program.

The concentration is designed to provide a multidisciplinary introduction to current problems of the environment. It is founded on the premise that the ability to form rational judgments concerning many of the complex challenges confronting society today involving the environment requires both an understanding of the underlying scientific and technical issues and an appreciation for the relevant economic, political, legal, historical, and ethical dimensions. It offers students an opportunity to specialize in a specific area of either natural or social science relating to the environment. All students have to satisfy a core of requirements in biology, chemistry, earth and planetary sciences, economics, government, and mathematics.

Primarily for Undergraduates

Environmental Science and Public Policy 10. Science, Policy and Environmental Management

Catalog Number: 6383

William C. Clark (Kennedy School), David Cash, and Daniel P. Schrag

Half course (spring term). M., W., 1–2:30. 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: Course is 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.

Note: Offered jointly with the Kennedy School as [ENR-207].

Environmental Science and Public Policy 90. Junior Seminars

Enrollment in these seminars is limited, with preference given to Environmental Science and Public Policy concentrators in their junior year. One junior seminar fulfills the junior seminar requirement for Environmental Science and Public Policy concentrators.

***Environmental Science and Public Policy 90a. Public Communication and the Science and Politics of Global Climate Change**

Catalog Number: 2189

Michael B. McElroy and Stephen T. Curwood

Half course (fall term). Tu., 7–10 p.m.

The Kyoto Protocol of 1997 set binding limits on greenhouse gas emissions, though many nations, including the United States, have yet to ratify this accord. Meanwhile, the scientific evidence of human-induced climate change continues to emerge amid some controversy, with indications that global warming and other potentially catastrophic climate changes may already be underway. What is this scientific evidence, and how is it being communicated to the public and policy makers? How should the United States respond to international efforts to mitigate climate change? Led by a scientist and a journalist, the seminar will explore scientific, diplomatic, and public communication methods driving the global climate change debate.

***Environmental Science and Public Policy 90c. Ecology and Land-Use Planning**

Catalog Number: 3792

Richard T. T. Forman (Design School)

Half course (spring term). Tu., 2:15–5, with intensive field study, including a required one-week field study, plus a one-day field study. EXAM GROUP: 16, 17

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 U.S. federal and state environmental policy. Topics include the civil rights struggle and the environmental justice movement, role of race in environmental policymaking, residential and occupational exposure patterns of environmental pollution, racial diversity in the environmental movement, socioeconomic factors shaping the research agenda for environmental affairs, facilities siting and community impacts, and lead contamination as an environmental justice issue.

Note: Offered jointly with the Kennedy School of Government as ENR-205.

***Environmental Science and Public Policy 90e (formerly *Environmental Science and Public Policy 90ehf). Conservation Biology**

Catalog Number: 6879

Andrew W. Torrance

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16

Biological diversity is rapidly disappearing as a result of human activity. Conservation biology combines insights and approaches from biological science with those from other fields, such as ethics, economics, and law, to study this global phenomenon. Furthermore, it extends beyond theory and explanation by attempting to formulate practical solutions to the problem of biodiversity loss. Classwork is combined with web-based discussions and field trip.

Note: There will be local field trips within New England.

***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 will explore hypothesized linkages between changes in ecosystems, climate, and the epidemiology of certain infectious diseases.

***Environmental Science and Public Policy 90h. Alternative Energy Potential**

Catalog Number: 2284

Henry Ehrenreich

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16

Examines alternative energy options such as photovoltaic and wind within the environmental context of conventional fossil and nuclear based sources. Begins with an elementary exposition



of needed energy and thermodynamic concepts, which assumes no previous exposure to physics, and a brief historical survey of energy use in relation to economic and social needs. Emphasizes the potential and problems of alternative energy sources through lectures, readings, class presentations, and discussions.

***Environmental Science and Public Policy 90i. What Causes Environmental Degradation?**

Catalog Number: 9228

John P. Holdren (Kennedy School) and Daniel P. Schrag

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

Using a series of examples of major environmental concerns, we will explore what are both the proximal and underlying causes of environmental degradation. For example, to understand what is driving global climate change, we will examine contributing effects of energy use, overpopulation, inefficient technology, styles of land use, and industrialization. We will use the analysis to discuss various approaches to adaptation and mitigation of these problems.

[*Environmental Science and Public Policy 90k. Environment and National Security]

Catalog Number: 4242

Michael B. McElroy and Stephen T. Curwood

Half course (fall term). Hours to be arranged.

This seminar will explore environmental issues affecting the national security of the United States. We begin with a review of the report “A National Security Strategy for a New Century” submitted by the White House to Congress in December 1999. Topics to be discussed in the seminar include climate change, pollution of air and water, shortages in supply of fresh water, short-falls in food production and depletion of natural resources with particular emphasis on trends currently underway in poor and developing countries. National security interests of the United States are particularly sensitive to developments in the Middle East, Russia, China, South Asia, East Asia and the Central Asian Republics but are not confined to these regions. As we shall discuss, environmental stress anywhere can have unanticipated consequences far removed from its source. We live in a global society: problems of human health or economic security or environmental security cannot be easily limited by restrictions imposed at national borders.

Note: Expected to be given in 2003–04.

Environmental Science and Public Policy 90l. Conservation Biology

Catalog Number: 9672

Zoe G. Cardon

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16

Recently the field of conservation biology expanded to include a broad focus on preservation of the function of ecosystems, and thus preservation of individual species and “services” ecosystems provide for humanity. Through readings and discussions, this course will explore important “services” provided by soils in agriculture and unmanaged ecosystems, and the biological and physico-chemical interactions underlying these soil functions. Stability of ecological communities, biodiversity and ecosystem function, and conservation of soils will be examined.

Note: May include local field trips in New England.



***Environmental Science and Public Policy 91r. Supervised Reading and Research**

Catalog Number: 1705

James J. McCarthy and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading and research on topics not covered by regular courses of instruction. Students must complete a registration form, including permission from their faculty sponsor, with the concentration office before course enrollment. A final paper describing the research/reading completed during the term is due in duplicate to the Head Tutor on the first day of reading period.

Note: Intended for junior and senior concentrators in Environmental Science and Public Policy; open to sophomore concentrators only under exceptional circumstances. Permission of the Head Tutor is required for enrollment. May be counted for concentration only with the special permission of the Head Tutor.

***Environmental Science and Public Policy 99r. Tutorial — Senior Year**

Catalog Number: 5666

James J. McCarthy and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Senior honors candidates must take at least one term of this course (fall or spring) while writing a thesis. If taken for two terms, only one term can be counted toward meeting concentration requirements. Signature of the Head Tutor required for enrollment.

European Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on European Studies

Peter A. Hall, Harvard College Professor and Krupp Foundation Professor of European Studies
(Chair)

Suzanne Berger, Associate of the Center for European Studies

David Blackbourn, Coolidge Professor of History (*on leave 2002-03*)

Peter J. Burgard, Professor of German

Pepper Dagenhart Culpepper, Assistant Professor of Public Policy (*Kennedy School*)

Grzegorz Ekiert, Professor of Government

Laura Frader, Associate of the Center for European Studies

Guido G. Goldman, Associate of the Center for European Studies

Peter Eli Gordon, Assistant Professor of History and of Social Studies (*on leave 2002-03*)

Patrice Higonnet, Robert Walton Goelet Professor of French History

Stanley Hoffmann, Paul and Catherine Battenwieser University Professor



Richard M. Hunt, Senior Lecturer on Social Studies
Torben Iversen, Professor of Government
Charles S. Maier, Leverett Saltonstall Professor of History (*on leave fall term*)
Andrew Moravcsik, Professor of Government (*on leave fall term*)
Susan Pedersen, Professor of History
Paul Pierson, Professor of Government
George Ross, Associate of the Center for European Studies
Cindy Skach, Assistant Professor of Government (*on leave 2002-03*)
Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)
Tony Smith, Associate in the Center for European Studies
Judith Surkis, Assistant Professor of History and of History and Literature
Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
T. Robert Travers, Assistant Professor of History (*on leave 2002-03*)

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, Dean of Undergraduate Education (*Chair*)
 Peter Buck, Senior Lecturer on the History of Science
 Elizabeth M. Doherty, Director of the Freshman Seminar Program and Senior Lecturer on Social Studies (*ex officio*)
 Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures
 Anne Harrington, Professor of the History of Science
 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, General Education, and House Seminars (*ex officio*)
 Barry C. Mazur, Gerhard Gade University Professor
 David McCann, Korea Foundation Professor of Korean Literature
 Elizabeth Studley Nathans, Dean of Freshmen (*ex officio*)
 Michael J. Sandel, Harvard College Professor and Anne T. and Robert M. Bass Professor of Government
 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
 James Wilkinson, Lecturer on History and Literature (*ex officio*)
 Jeffrey Wolcowitz, Senior Lecturer on Economics and Associate Dean for Undergraduate Education (*ex officio*)

Other Faculty Offering Instruction in the Expository Writing Program

Thomas Akbari, Preceptor in Expository Writing
 Christine Edwards Allred, Preceptor in Expository Writing
 Joshua Manuel Barkan, Preceptor in Expository Writing
 Patricia M. Bellanca, Preceptor in Expository Writing
 Nancy Ellen Bernhard, Preceptor in Expository Writing
 Daniel H. Bosch, Preceptor in Expository Writing
 Susan Elizabeth Carlisle, Preceptor in Expository Writing, Temporary in Continuing Ed
 Michele D. Cotton, Preceptor in Expository Writing
 William David Evans, Preceptor in Expository Writing
 Aden Lorenz Evens, Preceptor in Expository Writing
 Jeremy Fantl, Preceptor in Expository Writing
 Mark Gaipa, 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
 Gordon C. Harvey, Senior Preceptor in Expository Writing and Associate Director of Expository Writing



Karen Leigh Heath, Preceptor in Expository Writing
Charles W.M. Henebry, Preceptor in Expository Writing
Luciana L. Herman, 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
Joann C. Lisberger, Preceptor in Expository Writing
David A. Long, Lecturer on History and Literature
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 Paula Porten, Preceptor in Expository Writing
Jeanne Follansbee Quinn, Lecturer on History and Literature
Maxine Rodburg, Senior Preceptor in Expository Writing and Director of the Writing Center
Augusta Rohrbach, Preceptor in Expository Writing
Jane A. Rosenzweig, Preceptor in Expository Writing
Eliezra Hava Schaffzin, Preceptor in Expository Writing
Steve Shoemaker, Preceptor in Expository Writing
Cheryl Colleen Smith, Preceptor in Expository Writing
Nancy Sommers, Senior Lecturer in Expository Writing and Sosland Director of Expository Writing
Stephen Brett Sutherland, Preceptor in Expository Writing
Janet H. Sylvester, Preceptor in Expository Writing
Thomas Andrew Underwood, Preceptor in Expository Writing
Thane Douglas Weedon, Preceptor in Expository Writing
Eric A. Weinberger, Preceptor in Expository Writing
Suzanne H. Young, Preceptor in Expository Writing

For Undergraduates Only

Expository Writing 20 fulfills the basic requirement in Expository Writing, a requirement for all undergraduates in their first year of residence. No Expository Writing courses have midterm or final examinations.

Expository Writing 10. Introduction to Expository Writing

Catalog Number: 6344 Enrollment: Limited to 10 students per section.

Members of the Department

Half course (fall term). Hours to be arranged.

A rigorous, intensive elective that helps students prepare for the demands of college writing. In small classes, students work closely with instructors on developing and organizing ideas; analyzing sources; and writing clear, lively essays. Students read essays, articles, and short stories and receive a great deal of individual attention.

Note: A limited enrollment elective. After taking Expository Writing 10, a student must pass Expository Writing 20 to meet the College's Expository Writing requirement.



Expository Writing 20. Expository Writing

Catalog Number: 5518 Enrollment: Limited to 15 students per section.

Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Aims to improve each student's ability to discover and reason about evidence through the medium of essays. Since writing requires an intellectual occasion and familiarity with some subject, each section focuses on a particular theme or topic, as described in the *Guide to Expository Courses and Registration* (available from the Expository Writing office). All sections give students experience in formulating questions; analyzing both primary and secondary sources, and properly acknowledging them; supporting assertions with strong and detailed evidence; and shaping clear, lively essays. All sections emphasize revision.

Expository Writing 52. Style and Styles in Prose

Catalog Number: 0674

Gordon C. Harvey and staff

Half course (spring term). 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. Students attend regular one-on-one conferences on their own writing. *Note:* Graduate students may be admitted by permission of the instructor, but this is *not* a course on academic composition or on English grammar.

Folklore and Mythology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Steering Committee on Degrees in Folklore and Mythology

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Chair*)

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

Michael Herzfeld, Professor of Anthropology (*on leave spring term*)

Barbara L. Hillers, Assistant Professor of Celtic Languages and Literatures

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

Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin (*on leave fall term*)

Affiliated Members of the Committee on Degrees in Folklore and Mythology

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures

Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures

Yunte Huang, Assistant Professor of English and American Literature and Language

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations

Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)

Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*on leave spring term*)

J. Lorand Matory, Professor of Anthropology and of Afro-American Studies

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

John E. Murdoch, Professor of the History of Science

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music, Associate of Currier House (*on leave 2003-04*)

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

Mary C. Waters, Harvard College Professor and Professor of Sociology (*on leave 2002-03*)

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature (*on leave spring term*)

Michael Witzel, Wales Professor of Sanskrit

Tutorials in Folklore and Mythology

Primarily for Undergraduates

***Folklore and Mythology 91r. Supervised Reading and Research**

Catalog Number: 2425

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Instruction and direction of reading on material not treated in regular courses of instruction; special work on topics in folklore, mythology, and oral literature. Normally, this course is available only to concentrators in Folklore and Mythology.

Note: To enroll, applicants must consult the Chairman of the Committee or the Head Tutor. The signature of the Chairman or the Head Tutor is required.



***Folklore and Mythology 98. Tutorial — Junior Year**

Catalog Number: 3685

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of all concentrators. The signature of the Head Tutor or of the Chairman of the Committee on Degrees in Folklore and Mythology must be obtained. Normally, this course is taken in the second semester of the junior year.

***Folklore and Mythology 99. Tutorial — Senior Year**

Catalog Number: 3886

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Required of all concentrators. The signature of the Head Tutor or of the Chairman of the Committee on Degrees in Folklore and Mythology must be obtained.

Comparative and Methodological

For Undergraduates and Graduates

[Folklore and Mythology 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 2003–04.

[*Folklore and Mythology 103. Oral Literature]

Catalog Number: 5039 Enrollment: Limited to 12. Limited to concentrators.

Stephen A. Mitchell

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. Required of all concentrators.

***Folklore and Mythology 104. Theory and Methodology of Folklore and Mythology**

Catalog Number: 3311 Enrollment: Limited to 12. Limited to concentrators.

Joseph C. Harris

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8



Introduction to the development of folklore and mythology as fields of study, with particular attention to the methodological approaches suited to their areas of enquiry. Surveys the study of folklore and mythology in the 19th and early 20th centuries, but focuses on theoretical contributions to the study of folklore, mythology, and oral literature in recent decades.

Note: Required of all concentrators.

***Folklore and Mythology 105. Fieldwork and Ethnography in Folklore**

Catalog Number: 3789 Enrollment: Limited to 12. Limited to concentrators.

Deborah D. Foster

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Interpretation of culture: issues and problems of ethnography. Examines problems of cultural interpretation that arise in the context of fieldwork. Both ethnographic and theoretical readings serve as the material for class discussion and the foundation for experimental ethnographic projects.

Note: Required of all concentrators.

***Folklore and Mythology 107a. Witchcraft from Paganism to the Early Modern Era**

Catalog Number: 0526

Stephen A. Mitchell

Half course (fall term). Tu., Th., at 1 and a one hour section to be arranged. EXAM GROUP: 15

Reviews witchcraft in pagan, medieval and early modern Europe (ca.400-1700). Examines pagan survivals in post-Conversion Europe; the collaborative construction of “witchcraft” through Church doctrine, demonological writings, and non-elite belief systems; the place of the “Devil’s Pact” and heretical beliefs; and the witch-hunts of the 16th and 17th centuries.

***Folklore and Mythology 107b. Witchcraft from “The Burning Times” to the Present**

Catalog Number: 3584

Stephen A. Mitchell

Half course (spring term). Tu., Th., at 1 plus a one hour section to be arranged. EXAM GROUP: 15

Considers witchcraft from the Reformation to the present. Examines the persecutions of the early modern era (emphasizing the late 17th-century); the effects of the Enlightenment; the role of “cunning folk”; the portrayal of witches in film, fiction and folklore; the historical roots of goddess worship and other forms of neo-paganism; witchcraft as a spiritual path (e.g., Wicca); and the character of the reaction against neo-paganism.

Prerequisite: Folklore and Mythology 107a is highly recommended. In the event of a lottery, those who have taken the first term will be given preference.

Cross-listed Courses

Anthropology 105. Food and Culture

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**

[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages]

[Social Analysis 28. Culture, Illness, and Healing: A Cross-Cultural Comparison of



Medicine in Society]

Sociology 60. Race and Ethnic Relations

Special Field Courses

For Undergraduates and Graduates

[Folklore and Mythology 113. Women Storytellers in Africa]

Catalog Number: 9418 Enrollment: Limited to 12.

Deborah D. Foster

Half course (fall term). Hours to be arranged.

Examines oral narrative performance by women in Africa. Emphasis will be on Swahili performers from the East African Coast in historical and contemporary contexts, but comparisons to performances by women from other parts of the continent will also be made. Readings are in English and include histories, autobiography, literary stories, and transcribed and translated performances of oral narrative.

Note: Expected to be given in 2003–04.

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). Th., 2–5. EXAM GROUP: 16, 17

This course will examine the ways in which the dancing body is both a site of personal experience and a sign of cultural meaning. By observing dance performances (live and on film), participating in dance workshops, and reading ethnographic and theoretical texts, we will attempt to understand the emergent meaning of dance performances from the perspective of both dancer and observer.

[Folklore and Mythology 115. The African Oral Narrative Tradition]

Catalog Number: 5663

Deborah D. Foster

Half course (spring term). Hours to be arranged.

Introduction to African oral narratives, focusing on the nature of orality and performance. Examines the way in which symbol and metaphor work in oral art forms; considers methods of analysis of oral narrative, including structuralism, semiotics, and performance theory; investigates the function of the creative and destructive trickster figure; and explores the oral residue in African novels and plays.

Note: Expected to be given in 2003–04.

[Folklore and Mythology 140. Spells, Scrolls, and Saints: Armenian Folk Religion]

Catalog Number: 7587

James R. Russell

Half course (fall term). Hours to be arranged.

A historical and comparative survey of the religious beliefs and practices of the Armenian Christian nation, with reference to their Anatolian, Iranian, Christian, and Muslim aspects.



Topics covered include the cult of saints, pilgrimages and veneration of sacred places, prayers, spells, magical and talismanic literature, vernacular transmission of canonical texts, and seasonal festivals.

Note: Expected to be given in 2003–04.

***Folklore and Mythology 191r. Supervised Reading and Research**

Catalog Number: 3255

Stephen A. Mitchell and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Cross-listed Courses

Afro-American Studies 141. Afro-Atlantic Religions

[Akkadian 144. Akkadian Divination Texts]

[Ancient Near East 127. Prophecy in Ancient Israel]

Anthropology 184. Ethnicity in the Americas: The Indian Question

[Armenian Studies 100. Armenian Epic]

[Celtic 106. Folklore of Ireland]

[Celtic 113. Gaelic Women's Poetry]

[Celtic 114. Early Irish Historical Tales]

[Celtic 138r. The Mabinogi]

[Celtic 150. Celtic Paganism]

Celtic 184. The Táin

Celtic 225a. Introduction to Middle Welsh

Celtic 225b. Continuing Middle Welsh

Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE

Foreign Cultures 78. Culture-Building and the Emergence of Modern Scandinavia

[German 126. The Brothers Grimm and Their Cultural Legacy]

Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar

[Japanese History 116a. History of Japanese Religions: Conference Course]

Japanese History 116b. History of Japanese Religions: Conference Course

Literature and Arts A-68. Poets and Poetry in the Celtic Literary Tradition

[Literature and Arts A-78. The Vikings and the Nordic Heroic Tradition]

Literature and Arts C-14. The Concept of the Hero in Greek Civilization

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

[Literature and Arts C-20. The Hero of Irish Myth and Saga]

[Literature and Arts C-22. European Culture in the Middle Ages]

Literature and Arts C-37. The Bible and Its Interpreters

***Music 190r (formerly *Music 190rr). Proseminar: Topics in World Music**

Music 194r. Special Topics: Proseminar

[Music 208r. Ethnomusicology: Seminar]

[*Scandinavian 200a. Introduction to Old Norse]

[Scandinavian 200br. Old Norse Literature: Edda and Saga]



Germanic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Germanic Languages and Literatures

Eric Rentschler, Professor of German (*Chair*)
Peter J. Burgard, Professor of German (*Director of Graduate Studies*)
Karl S. Guthke, Kuno Francke Professor of German Art and Culture
Annette Johansson-Los, Preceptor in Scandinavian
Kristin Kopp, Assistant Professor of German (*Head Tutor, German*)
Charles P. Lutcavage, Senior Preceptor in German
Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Head Tutor, Scandinavian*)
Sylvia Rieger, Preceptor in German (*Coordinator of Language Instruction*)
Judith Ryan, Harvard College Professor and 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
Peter Nisbet, Senior Lecturer on History of Art and Architecture

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

German

Primarily for Undergraduates

The placement test in German is offered during Freshman Week and during Intersession.

[German A. Elementary German](#)

Catalog Number: 4294

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 A.B. 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 semester for students with no knowledge of German.

Provides a thorough introduction to German culture and language, encompassing all four skills: speaking, listening, reading, and writing. Class time is focused on developing oral proficiency; by the end of the course, students should be able to engage in everyday conversation with native speakers. Language instruction is supplemented by literary and non-literary texts, films, and Internet activities.

Note: Open to undergraduates. Open to graduate students only with permission of the instructor. Students planning to enroll are required to sign up for the course with Dr. Rieger at the German department before the start of the term. May not be taken Pass/Fail; not open to auditors.

German Da. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 5779

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

This course aims at enhancing students' proficiency in all four skills and offers a thorough grammar review. Students will explore a broad range of current political and cultural issues in the German-speaking countries: multiculturalism, east-west German relations, the arts, 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

Charles P. Lutcavage (fall term), Sylvia Rieger and staff (spring term)

Half course (fall term; repeated spring term). Fall term: M., W., F., at 9; Spring term: M., W., F., sections at 9, 10, 11, or 12. EXAM GROUP: 2

Continuation of German Da. Discussion materials include literary and non-literary texts, current events, and film. Emphasis on speaking proficiency and on strengthening writing skills. Course includes a review of grammar 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 (spring term). M., W., sections at 4–5:30 or 5–6:30.

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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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: 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). M., W., F., at 10. EXAM GROUP: 3

In this course 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: 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 will look at the changes that have shaped Berlin since 1989. Topics of discussion include politics in the unified capital, architectural metamorphoses, east-west German relations, minorities, and the arts. Materials drawn from Internet, film, and multimedia resources. Strong class participation expected and encouraged in the form of group projects.

Note: Conducted in German. Pass/Fail option not available.

Prerequisite: An honor grade in German D or permission of the instructor.



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. Pass/Fail option not available. 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. Pass/Fail option not available. 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 97hf. Tutorial — Sophomore Year**

Catalog Number: 1774

Kristin Kopp and members of the Department

Half course (throughout the year). 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 32y. 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 (spring term). M., W., (F.), at 10. EXAM GROUP: 3

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 omitted in 2003–04. 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). Th., 2–4. EXAM GROUP: 16, 17

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 omitted in 2003–04. Readings in German, discussions in English.

[German 120. The Age of Goethe]

Catalog Number: 5099

Karl S. Guthke

Half course (spring term). Hours to be arranged.

Major writers and movements from the middle of the 18th to the beginning of the 19th century. Lessing, Herder, Goethe, Schiller, and others. Reading list is flexible to accommodate students' needs and interests.

Note: Expected to be given in 2003–04. Readings in German, lectures and discussions in English.

[German 126. The Brothers Grimm and Their Cultural Legacy]

Catalog Number: 6162

Maria Tatar

Half course (fall term). 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 will also investigate interpretive approaches to the stories, study psychological effects, and consider other national collections, along with the



rich visual culture associated with fairy tales.

Note: Expected to be given in 2003–04. Readings in German, discussions in English.

[German 147. Nietzsche]

Catalog Number: 6994

Peter J. Burgard

Half course (spring term). Hours to be arranged.

Readings and discussions of Nietzsche's major works (in translation), including *The Birth of Tragedy*, *Untimely Meditations*, *Human, All Too Human*, *The Gay Science*, *Thus Spoke Zarathustra*, *Beyond Good and Evil*, *The Genealogy of Morals*, *Twilight of the Idols*, *The Antichrist*, *Ecce Homo*, and *The Will to Power*.

Note: Expected to be given in 2003–04. No knowledge of German required. All readings and discussions in English.

German 148. Freud

Catalog Number: 5403

Peter J. Burgard

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

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 omitted in 2003–04. 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). Tu., Th., at 12 and one hour to be arranged. EXAM GROUP: 14

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 omitted in 2003–04. No knowledge of German required. Readings and discussions in English; German concentrators read the works in the original.

German 165. Modern "Primitives"

Catalog Number: 8505

Kristin Kopp

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The figures of the "primitive" haunted German and Austrian society during the industrial development and rapid urbanization at the turn of the 20th century. We will examine its function in a variety of discourses: the urban theories of Freud, Simmel, and Bloch; the crisis of gender; anti-Semitism; ethnography and popular entertainment (museums and displays of native peoples); and literary and visual expressionism (Kafka, Döblin, Carl Einstein, Otto Müller).

Note: Expected to be omitted in 2003–04. Readings and discussions in German.



[German 170. Goethe's *Faust* in Context]

Catalog Number: 1246

Karl S. Guthke

Half course (fall term). Hours to be arranged.

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 given in 2003–04. Readings in German, discussions in English.

[German 182. Modern Drama]

Catalog Number: 9310

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Examines modern drama from Ibsen to Jelinek, tracing its structural transformations and devoting particular attention to the changing relation between the dramatic text, the idea of theater, and the stage itself. Works by Ibsen, Schnitzler, Kaiser, Pirandello, Brecht, Ionesco, Artaud, Beckett, Dürrenmatt, Handke, Weiss, Müller, Wilson, and Jelinek.

Note: Expected to be given in 2003–04. No knowledge of German required. All readings and discussions in English; German concentrators read the majority of texts in the original.

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). Hours to be arranged.

The course will investigate a wide range of responses—both the reactionary forces of xenophobic exclusions and the developing practices of cultural inclusion—to the challenge of integrating Turkish-Germans into German culture and society. Using literature, film, popular music, and the press, we will examine important moments in the history of this struggle.

Note: Expected to be given in 2003–04. Readings and discussions in German.

Cross-listed Courses



[**Celtic 177. Language, Historical Consciousness, and Nation-formation: Holland and Flanders between 1760 and 1830**](#)

[**Comparative Literature 151. The Faust Legend in Literature**](#)

[**Comparative Literature 167. Contemporary Fiction: The Novel After Theory**](#)

[**Comparative Literature 174. American Babel**](#)

[**\[*Folklore and Mythology 90. Fairy Tales and Literary Culture\]**](#)

[**\[Foreign Cultures 30. Forging a Nation: German Culture from Luther to Kant and Beyond\]**](#)

[**\[Foreign Cultures 32. Jugend gegen Hitler\]**](#)

[**Foreign Cultures 76. Mass Culture in Nazi Germany: The Power of Images and Illusions**](#)

[**\[Historical Study A-76. Germany 1871–1990: From Unification to Reunification\]**](#)

[**\[*History 1476. Enlightenment and Dialectic: Conference Course\]**](#)

[**\[History 1485. Weimar Intellectuals and the Challenge of Modernity: Conference Course\]**](#)

[**Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel**](#)

[**Literature and Arts A-18. Fairy Tales, Children's Literature, and the Construction of Childhood**](#)

[**Literature and Arts A-68. Poets and Poetry in the Celtic Literary Tradition**](#)

[**\[Literature and Arts C-25. The Medieval Stage\]**](#)

[**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**](#)

[**\[Literature and Arts C-67. The German Colonial Imagination\]**](#)

[**Yiddish 102r. Modern Yiddish Literature I**](#)

Primarily for Graduates

[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 2003–04. Readings in German, discussions in English.

[German 226r \(formerly German 250\). Cultural Studies and the Literary Text: Proseminar](#)

Catalog Number: 1364

Maria Tatar

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Focuses on such problems as identity formation, violence, gender, and sexuality, and situates literary texts in their cultural contexts. Authors include Wedekind, Schnitzler, Hofmannsthal, Thomas Mann, Heinrich Mann, Döblin, Brecht, Grass, and Süßkind.

Note: Expected to be omitted in 2003–04. Readings in German, discussions in English.

[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 will also contemplate the pertinence of these contributions for recent work in film and media studies.

Note: Expected to be given in 2003–04. Course 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). M., 2–4. EXAM GROUP: 7, 8

Discussion of the entire range of Schiller's plays in light of recent research trends.

Note: Expected to be omitted in 2003–04. Open to qualified undergraduates.

German 261. Film and Nation

Catalog Number: 1903

Eric Rentschler

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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 omitted in 2003–04. Course 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). Hours to be arranged.

A survey focusing on the analysis of representative critical texts. Lecture and discussion.

Note: Expected to be given in 2003–04. Open to qualified undergraduates.

German 276. Colonial Theory and German Colonial Fictions

Catalog Number: 3663

Judith Ryan

Half course (fall term). W., 4–6. EXAM GROUP: 9

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 omitted in 2003–04. Readings in German; discussion in English.

[German 282. Poetry After Auschwitz: Seminar]

Catalog Number: 0379

Judith Ryan

Half course (spring term). Hours to be arranged.

Engaging with Adorno's dictum about "poetry after Auschwitz" and related theoretical readings, the course focuses on lyric poetry immediately following 1945, at the time of the Frankfurt Auschwitz trial in 1964, and at present.



Note: Expected to be given in 2003–04. Readings in German (good knowledge of German essential).

[German 288. German Novels of the 1990s]

Catalog Number: 8467

Judith Ryan

Half course (spring term). 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 2003–04. Readings in German, discussions in English.

Cross-listed Courses

[Comparative Literature 208. Experience and Expression: Seminar]

[Comparative Literature 215. Melopoeia: On German Music and Letters: Seminar]

[Comparative Literature 268. Germany and the Greeks: Philhellenism from Winckelmann to George \(1755-1914\).](#)

Graduate Courses of Reading and Research

***German 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 3646

Peter J. Burgard 2217, Karl S. Guthke 1715, Kristin Kopp 4133, Eric Rentschler 2325, Judith Ryan 1135, Eckehard Simon 2670, and Maria Tatar 3645

Germanic Philology

Primarily for Graduates

[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.

[Germanic Philology 225. History of the German Language](#)

Catalog Number: 5192

Eckehard Simon

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

A cultural history of the German language, from pre-literate Germanic dialects to the present.



The relationship between spoken and written German. Close reading and philological analysis of representative texts, handwritten and printed, from all periods.

Note: Conducted in German

Prerequisite: Command of German, one term of Middle High German, or the equivalent.

[Germanic Philology 280. Teaching Methods for Language Courses]

Catalog Number: 5944

Charles P. Lutcavage

Half course (fall term). Hours to be arranged.

An introduction to teaching methods for introductory and intermediate German language courses. Emphasis on development of practical skills for classroom instruction.

Note: Expected to be given in 2003–04.

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, 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 A.B. degree. Not open to auditors.

Scandinavian

Primarily for Undergraduates



[Danish A (formerly Scandinavian C). Introduction to Danish Language and Literature]

Catalog Number: 1861

Stephen A. Mitchell

Full course (indivisible). Hours to be arranged.

An introductory course in modern Danish for students with little or no previous knowledge of the language. In the first term the emphasis is on oral expression and listening comprehension; in the spring term there is additional emphasis on reading and writing skills. Danish literature is introduced through short stories, poems, and newspaper articles. Videos, films, and the Internet provide supplementary material for discussion of current events and Danish culture.

Note: Expected to be given in 2003–04. *The first half of this course may not be taken as a half course for credit toward the A.B. degree.* May not be taken Pass/Fail. Not open to auditors.

***Scandinavian 91r. Supervised Reading and Research**

Catalog Number: 7308

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Head Tutor is required.

***Scandinavian 97. Tutorial — Sophomore Year**

Catalog Number: 1592

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and acquaint students with appropriate analytical methods.

Note: Open to concentrators in the Scandinavian option. Permission of the Head Tutor is required.

***Scandinavian 98. Tutorial — Junior Year**

Catalog Number: 4255

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and to develop analytical techniques.

Note: Permission of the Head Tutor is required.

***Scandinavian 99. Tutorial — Senior Year**

Catalog Number: 5542

Stephen A. Mitchell and members of the Department

Full course. Hours to be arranged.

Note: Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Head Tutor is required.

Swedish A. Introduction to Swedish Language and Literature

Catalog Number: 7438

Annette Johansson-Los



Full course (indivisible). M. through Th., at 12. EXAM GROUP: 5, 14

Concentration on listening comprehension, oral expression, and elementary reading and writing skills. Spring term: emphasis on more advanced conversational skills and introducing Swedish culture and civilization through selected articles and videos.

Note: The first half of this course may not be taken as a half course for credit toward the A.B. degree. Not open to auditors.

Swedish Ba. Intermediate Swedish

Catalog Number: 3104

Annette Johansson-Los

Half course (fall term). M., W., at 1, and one hour to be arranged. EXAM GROUP: 6

Review of the essentials of Swedish grammar and development of vocabulary. Readings in modern Swedish literature are selected to encourage class discussion and to improve the student's speaking and writing skills. Authors include Hjalmar Söderberg, Selma Lagerlöf, and Ingmar Bergman.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish A or equivalent.

Swedish Bb. Intermediate Swedish

Catalog Number: 3405

Annette Johansson-Los

Half course (spring term). M., W., at 1, and one hour to be arranged. EXAM GROUP: 6

Continuation of Swedish Ba. Readings from works in classical and modern Swedish literature and other texts of cultural and social interest. Authors include August Strindberg, Pär Lagerkvist, Carl Michael Bellman, Tomas Tranströmer, and Vilhelm Moberg.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish Ba or equivalent.

Cross-listed Courses

Foreign Cultures 78. Culture-Building and the Emergence of Modern Scandinavia

[Literature and Arts A-78. The Vikings and the Nordic Heroic Tradition]

Religion 1528. Globalization and Human Values: Envisioning World Community

Primarily for Graduates

[*Scandinavian 200a. Introduction to Old Norse]

Catalog Number: 3622

Joseph C. Harris

Half course (fall term). Hours to be arranged.

The grammar of Old Norse (primarily Old Icelandic). Readings from a wide variety of medieval West and East Norse texts: runic inscriptions, sagas, histories, and eddic poems. Course guarantee: proficiency in reading by winter recess.

Note: Expected to be given in 2003–04. Open to qualified undergraduates.



[Scandinavian 200br. Old Norse Literature: Edda and Saga]

Catalog Number: 2021

Joseph C. Harris

Half course (spring term). Hours to be arranged.

A continuation of Scandinavian 200a (or equivalent). Readings in eddic and skaldic poetry and in the saga literature. Special attention will be given to short-story genres.

Note: Expected to be given in 2003–04. Open to qualified undergraduates with permission of the instructor.

Graduate Courses of Reading and Research

***Scandinavian 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 1708

Joseph C. Harris 1089 and Stephen A. Mitchell 7056

Half course (fall term; repeated spring term). Hours to be arranged.

Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Government

Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*Chair*)

James E. Alt, Frank G. Thomson Professor of Government

Scott Ashworth, Assistant Professor of Government

Lisa Baldez, Visiting Assistant Professor of Government (*Washington University*) (*spring term only*)

Robert H. Bates, Eaton Professor of the Science of Government

Eva Bellin, Associate Professor of Government

Bear F. Braumoeller, Assistant Professor of Government (*on leave fall term*)

Barry C. Burden, Assistant Professor of Government

Andrea L. Campbell, Assistant Professor of Government (*on leave fall term*)

John M. Carey, David Rockefeller Visiting Associate Professor of Government (*Washington University*) (*spring term only*)

Daniel P. Carpenter, Professor of Government

Lars-Erik Cederman, Frederick S. Danziger Associate Professor of Government (*on leave fall term*)

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies

Michael C. Dawson, Professor of Government



Jorge I. Domínguez, Harvard College Professor and the Clarence Dillon Professor of International Affairs
Murray Dry, Visiting Professor of Government (*Middlebury College*) (*spring term only*)
Grzegorz Ekiert, Professor of Government
Margarita Estevez-Abe, Assistant Professor of Government (*on leave 2002-03*)
Benjamin O. Fordham, Visiting Associate Professor of Government (*SUNY, Albany*)
Jeffry Frieden, Stanfield Professor of International Peace (*on leave spring term*)
Peter A. Hall, Harvard College Professor and Krupp Foundation Professor of European Studies
Yoshiko M. Herrera, Associate Professor of Government (*on leave fall term*)
Michael J. Hiscox, John L. Loeb Associate Professor of the Social Sciences (*on leave 2002-03*)
Jennifer L. Hochschild, Professor of Government (*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
Torben Iversen, Professor of Government
Joel A. Johnson, Lecturer on Government
Alastair Iain Johnston, Governor James Albert Noe and Linda Noe Laine Professor of China in World Affairs (*on leave spring term*)
David D. Kane, Lecturer on Government (*fall term only*)
Devesh Kapur, Associate Professor of Government (*on leave 2002-03*)
Gregory J. Kasza, Visiting Professor of Government (*Indiana University*) (*spring term only*)
Oleg Valeryovich Kharkhordin, Visiting Associate Professor of Government, Post-Doctoral Fellow in the Kathryn W. and Shelby Cullom Davis Center for Russian Studies (*European University at St. Petersburg, Russia*) (*fall term only*)
Gary King, David Florence Professor of Government (*on leave 2002-03*)
Sharon R. Krause, Assistant Professor of Government (*Head Tutor, fall term*) (*on leave spring term*)
William Kristol, Visiting Lecturer on Government (*spring term only*)
Andrew Harriman Kydd, Assistant Professor of Government
Marc Karnis Landy, Visiting Professor of Government (*Boston College*) (*fall semester only*)
Steven R. Levitsky, Assistant Professor of Government and of Social Studies (*on leave fall term*)
Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government
Lisa L. Martin, Clarence Dillon Professor of International Affairs
Rachel M. McCleary, Lecturer on Government
Jens Meierhenrich, Lecturer on Government, Lecturer on Social Studies (*spring term only*)
Andrew Moravcsik, Professor of Government (*on leave fall term*)
Glyn Morgan, Assistant Professor of Government and of Social Studies
Russell Muirhead, Associate Professor of Government (*Head Tutor, spring term*) (*on leave fall term*)
Pippa Norris, Lecturer on Government
Elizabeth J. Perry, Henry Rosovsky Professor of Government (*on leave 2002-03*)
Paul E. Peterson, Henry Lee Shattuck Professor of Government
Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
Paul Pierson, Professor of Government
Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy (*on leave 2002-03*)
Stephen Peter Rosen, Harvard College Professor and Beton Michael Kaneb Professor of National



Security and Military Affairs

Nancy Lipton Rosenblum, Senator Joseph S. Clark Professor of Ethics in Politics and Government

Carol R. Saivetz, Lecturer on Government

Michael J. Sandel, Harvard College Professor and Anne T. and Robert M. Bass Professor of Government

Jasjeet Singh Sekhon, Assistant Professor of Government (*on leave fall term*)

Catherine R. Shapiro, Lecturer on Government

Kenneth A. Shepsle, George D. Markham Professor of Government (*on leave spring term*)

Beth A. Simmons, Professor of Government (*on leave 2002-03*)

Cindy Skach, Assistant Professor of Government (*on leave 2002-03*)

Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)

Christina Tarnopolsky, Assistant Professor of Government and of Social Studies

Dennis F. Thompson, Alfred North Whitehead Professor of Political Philosophy, Professor of Government and Professor of Public Policy (*KSG*)

Richard Tuck, Frank G. Thomson Professor of Government (*Director of Graduate Studies*)

Sidney Verba, Carl H. Pforzheimer University Professor

Dana Richard Villa, Visiting Associate Professor of Government (*University of California, Santa Barbara*) (*fall term only*)

Robert C. Vipond, Visiting William Lyon MacKenzie King Professor of Canadian Studies (*University of Toronto*)

Other Faculty Offering Instruction in the Department of Government

Graham T. Allison, Jr., Douglas Dillon Professor of Government (*Kennedy School*)

Lawrence D. Bobo, Norman Tishman and Charles M. Diker Professor of Sociology and of Afro-American Studies

Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)

Lee Fleming, Assistant Professor of Business Administration (*Business School*)

Heather K. Gerken, Assistant Professor of Law (*Law School*)

Roger B. Porter, IBM Professor of Business and Government (*Kennedy School*)

Donald B. Rubin, John L. Loeb Professor of Statistics

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

Sharon R. Krause

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Provides an introduction to political theory through an investigation of debates about freedom among philosophers from the ancient and modern periods. Four themes are considered: (1) freedom in relation to political obligation and civil disobedience; (2) the relationship between freedom and virtue; (3) freedom in the social contract theory of government; and (4) freedom in connection with social progress. Readings include Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Marx, J. S. Mill.

Government 20. Introduction to Comparative Politics

Catalog Number: 6166

Pippa Norris

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Provides an introductory grounding in the key theoretical frameworks, concepts, and analytical methods in comparative politics. The major theme focuses upon explaining patterns of democracy and democratizations, including the role of political culture and value change, civic society and social capital, economic development, problems of ethnic conflict, and the importance of political institutions. A broad global comparison will draw from many countries and regions.

Government 30. Introduction to American Government

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

This course provides an overview of contemporary American politics, showing how recent changes in elections and media coverage has 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). Tu., 2–4. EXAM GROUP: 16, 17

Focuses on changes in economy, society, and politics in the transition from empire to small country. Topics include the evolving party system, electoral behavior, and a range of policy questions involving economic management, the welfare state, the European Community, race relations, Northern Ireland.

Government 90aa. Freedom of Association

Catalog Number: 0394

Nancy Lipton Rosenblum

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Focuses on freedom of association and its limits, with readings drawn from the history of political thought, contemporary theory, and law. What are the reasons for outlawing groups or regulating their practices? What are the reasons for providing groups with public support? We will discuss freedom of association for religious groups, political parties, and a range of “voluntary associations” (the Boy Scouts, the Jaycees) and “identity groups.”

Government 90au. Political Economy

Catalog Number: 8213

Torben Iversen

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines modern theories of political economy and their applications to macro problems in advanced industrialized democracies. Why do some governments and countries generate better economic performance than others? Why are some economies more egalitarian than others? How do politicians manipulate the economy for partisan gain, and how are politicians constrained by institutions and the global economy? These are some of the questions that we will seek to answer using the most promising theories in political science and economics.



[Government 90ax. Crucial Events in Chinese Elite Politics]

Catalog Number: 7481

Roderick MacFarquhar

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

Government 90be. Cross-Cultural Perspectives on Main Concepts of Russian Politics

Catalog Number: 9222

Oleg Valeryovich Kharkhordin (European University at St. Petersburg, Russia)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This class deals with cross-cultural comparisons of main concepts in Russian and Anglo-American politics. It employs methods of conceptual history in order to evaluate the specificity of the Russian context of use of such familiar concepts as state, nation, the individual etc.

[Government 90bh. Comparative Justice: Constitutional Courts in the Modern World]

Catalog Number: 6812

Cindy Skach

Half course (spring term). Hours to be arranged.

More than ever, constitutional courts are mediating and deciding questions of justice in modern democracies. Analyzing a variety of countries, including the US, Germany, and Bosnia-Herzegovina, this seminar places the trend toward judicial review in historical and comparative perspective. It asks: Should judicial review be the main mechanism for balancing individual rights, group rights, and the collective will? How do constitutional courts shape multicultural societies? Do activist constitutional courts hinder, or help, the democratic process?

Note: Expected to be given in 2003–04.

Government 90bt. Public, Private, and the Liberal State

Catalog Number: 7220

Robert C. Vipond (University of Toronto)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This seminar probes the liberal distinction between public and private as it plays itself out in political thought, constitutional law and public policy in Canada, the US and other selected liberal democratic states.

Government 90dd. Education Politics and Policy

Catalog Number: 3796

Paul E. Peterson

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Analysis of political forces shaping elementary and secondary education governance and policy. Major contemporary issues to be discussed. Students expected to write term papers.



Government 90ej. Social Identities

Catalog Number: 9514

Yoshiko M. Herrera

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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 will consist mainly of empirical works on identity from a variety of geographical areas.

[Government 90eo. Globalization and American Foreign Economic Policy]

Catalog Number: 9955

Michael J. Hiscox

Half course (spring term). Hours to be arranged.

Examines the foreign economic policies of the United States in the context of increasing global economic integration. Topics include: globalization—benefits and costs, winners and losers; lessons from history; determinants of trade policy; political economy of multinational corporations; and reforming the international financial architecture.

Note: Expected to be given in 2003–04.

Government 90eq (formerly Government 1075). Democratic Theory and the American Political Novel, 1850-1915

Catalog Number: 5339

Joel A. Johnson

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Can novels enhance our understanding of democracy? Are there aspects of democratic theory and practice that are better understood through the medium of narrative fiction? We will attempt to answer these questions through a close reading of novels by Hawthorne, Melville, Adams, Twain, Bellamy, and Gilman. Topics will include the nature of democratic power and corruption; the relationship between democracy and capitalism; race and gender; and ideals of progress.

Government 90ga. Jurisprudence: An Introduction to Law and Morals

Catalog Number: 7659

Jens Meierhenrich

Half course (spring term). M., 4–6. EXAM GROUP: 9

This seminar introduces students to key themes in the philosophy of law, or jurisprudence. The problems of jurisprudence are persistent and affect societies the world over. They concern the nature of law, the appropriate role of sovereigns, the proper role of judges, law's authority, and law's role in democracy and dictatorship. Examining the work of Austin, Schmitt, Hart, Dworkin, Luhmann, Habermas and others, this seminar debates law's promise-its real and imagined place in society.

Government 90gs. Civil Society in Asia

Catalog Number: 7546

Susan J. Pharr

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17



This seminar examines civil societies in Asia, with particular emphasis on East Asia. After tracing how the concept evolved in Western and Eastern Europe, it explores: how the term applies in the Asian context; how globalization, religion, ethnic conflict, market reforms, international NGOs, corruption, the Internet, post-September 11 developments, and other forces are affecting civil societies in Asia; and the relation between developments in civil society and democratization in Asia.

Government 90hg. Building the Activist State: American Public Policy Since 1960.

Catalog Number: 8096

Paul Pierson

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The role of the federal government in American society is now highly controversial. These contemporary conflicts over domestic policy play out against the backdrop of a dramatic expansion of government activity that occurred over the past four decades. This course examines 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 (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

Government 90hk. The Early Development of American Political Institutions and Organizations

Catalog Number: 9879

Daniel P. Carpenter

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Survey of developments in the party system, social movements, Congress, the presidency and the bureaucracy from the colonial period through the Civil War. Rise of the two-party system, the mass party and changes in voting rights; congressional committees and their power; building of the Constitution and the federal judiciary; abolitionism and new social movements, the emergence of early bureaucratic institutions, and the presidency – studied using three theoretical approaches (rational choice, historical institutionalism, and critical theory).

[Government 90ia. Sino-U.S. Relations in an Era of Rising Chinese Power]

Catalog Number: 9006

Alastair Iain Johnston



Half course (spring term). Hours to be arranged.

The course will assess theoretical arguments and empirical evidence concerning the implications of Chinese economic and military modernization for conflict and cooperation between China and the US. Some issues to be examined include global arms control, trade, the environment, and regional security.

Note: Expected to be given in 2003–04.

Government 90ij. Partisanship

Catalog Number: 6866

Russell Muirhead

Half course (spring term). Th., 7–9 p.m.

Partisanship has a bad name: it is often thought an expression of inherited prejudice, petty ambition, narrow interest, or dogmatic ideology. Does it merit more esteem? In what forms, if any, is it respectable or even admirable? Course assesses claims of partisanship in relation to its more and less defective rivals. Readings include Aristotle, Hobbes, Rousseau, Mill, Ross Perot, Ralph Nader, and selections from contemporary political science.

Government 90jb (formerly Government 1341). The First Amendment Freedoms

Catalog Number: 5544

Murray Dry (Middlebury College)

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7

Combines a philosophic study of freedom of speech, press, and religion with constitutional law and history. We will start with the American founding (the Puritans, Madison's Memorial and Remonstrance, the framing of the Bill of Rights, the Alien and Sedition Acts and the Virginia Report). We will then read Milton's *Areopagitica*, Locke's *Letter On Toleration* and Mill's *On Liberty*. Then we will study the Supreme Court's treatment of the first amendment freedoms.

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 U.S. politics? Why have particular individuals—Thomas Jefferson, Elizabeth Cady Stanton, Franklin Delano Roosevelt, Joseph McCarthy, Martin Luther King—had tremendous impact on the ways we think and behave politically? Can one learn effective leadership skills? Can one learn to be charismatic? What is the relationship between leaders and followers? How do leaders handle adversity? Students consider classic readings on leadership, along with analyses of specific U.S. leaders, and conduct independent research.

Government 90jn. Oslo and After

Catalog Number: 1722

Carol R. Saivetz

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Focuses on the post-1991 period, particularly the circumstances that facilitated the Oslo Peace Process and those which led to its collapse. Topics will include the rise of radical nationalism and radical Islam; how the international politics of the Gulf area intersect with the politics of the



Israeli-Palestinian conflict; the impact of the war in Afghanistan on the region; and what role is there, if any, for the outside powers today.

Government 90jp. The Struggle for Palestine/Israel

Catalog Number: 1254

Eva Bellin

Half course (fall term). Th., 2–4; Th., 7–9. EXAM GROUP: 16, 17

Studies the century-long struggle over Palestine/Israel from a local perspective. Considers competing historical and moral claims to the land, the creation of political “facts” and dispossession, the influence of regional politics, the role of local political organizations from Hamas to Gush Emunim, the challenge of state-building in the Palestine Authority, the debate over post-Zionism in Israel, and the possibilities for reconciliation between Palestinians and Israelis.

Government 90js. The Politics of American Foreign Policy

Catalog Number: 4399

Benjamin O. Fordham (SUNY, Albany)

Half course (spring term). M., 7–9 p.m.

The purpose of this seminar is to examine the sources and implications of political controversy over US foreign policy, especially since World War II. The readings and class discussion will consider explanations for disagreements on the appropriate course of action for the US in the international arena, as well as the effects these disagreements have had on policy choices, and on American society and politics more generally.

[Government 90ka. Rethinking the Welfare State]

Catalog Number: 2138

Margarita Estevez-Abe

Half course (spring term). Tu., 7–9 p.m. EXAM GROUP: 18

The goal of the course is to challenge existing notions of the welfare state. Who shapes welfare programs? Does the welfare state help the poor? Does the welfare state treat men and women equally? Is the welfare state “anti-market” in nature? Does it simply place a burden on the national economy or does it promote national competitiveness? Although class readings and cases are mostly from advanced industrial societies, the course includes a unit on new trajectories from emerging economies.

Note: Expected to be given in 2003–04.

Government 90km. The Political Economy of Africa

Catalog Number: 3776

Robert H. Bates

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Covers recent writings on the politics and economics of Africa. Emphasis placed on recent writings on political reform (democratization), state disintegrations, and violence.

Government 90kw. Retroactive Justice

Catalog Number: 6022

Jens Meierhenrich



Half course (spring term). Tu., 4–6. EXAM GROUP: 18

This seminar introduces students to the theory and history of retroactive, or transitional, justice. It explores the logic of truth commissions, international criminal tribunals, reparations, and related responses to genocide, crimes against humanity, and other mass atrocities. Examining the whole array of historical and contemporary solutions to the problem of “radical evil” (Immanuel Kant) the seminar assesses the conditions for, and limitations to, achieving truth and justice in domestic politics and international affairs.

Government 90mk. Politics and Aesthetics

Catalog Number: 5081

Christina Tarnopolsky

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines the relationship between political institutions and aesthetic practices in the works of Plato, Aristotle, Rousseau, Nietzsche, Adorno and Horkheimer. The central question of the course will be whether and how the arts play a role in moral and political education and/or corruption. More specifically, we will try to determine which aspects of the arts are important for a democratic politics and which aspects are dangerous for such a politics.

[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 2003–04.

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 United States and Japan that explores their similarities and differences in a broader comparative perspective. Much attention will be paid to the effects of electoral laws on candidates, parties, and voters. Other topics include party systems, incumbency, strategic voting, and corruption.

Government 90q. U.S. – 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 United States and Latin American countries, and of the international relations of Latin America since 1945. Attention also given to



foreign policy decision making in the United States and Latin America, and to alternative approaches to the study of international relations and foreign policy.

[Government 90qa. Community in America]

Catalog Number: 4941

Robert D. Putnam

Half course (fall term). Hours to be arranged.

Has the social fabric of America's communities and the civic engagement of its citizens changed over the last generation? Why? Does it matter? What lessons might we find in American history? These questions will be at the focus of this seminar.

Note: Expected to be given in 2003–04.

[Government 90qm. International Relations Theory]

Catalog Number: 9031

Bear F. Braumoeller

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

Government 90qv. Democracy and the Information Technology Revolution

Catalog Number: 6801

Michael C. Dawson

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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 tension between national security and individual privacy rights in the U.S will be explored. Attention will also be 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.

Government 90rw. Ethics and Biotechnology

Catalog Number: 9437

Michael J. Sandel

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The seminar will explore the moral and political implications of recent advances in biotechnology. Topics to include cloning, stem cell research, genetic engineering, eugenics, and the patenting of life forms.

Note: A previous course in moral reasoning or political theory is recommended but not required.

Government 90se. Domestic Politics and the Use of Force

Catalog Number: 0404



William G. Howell

Half course (fall term). Tu., 7–9 p.m. EXAM GROUP: 18

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 United States foreign policymaking, connections will be made to other systems of government.

Government 90sp. Future of War

Catalog Number: 6012

Stephen Peter Rosen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The course will examine the character and implications of political and technological factors that could affect the future conduct of war.

Government 90td. Comparative Leadership Politics

Catalog Number: 6687

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 will consider these questions, as played out in a variety of societies and political regimes.

Government 90tn. The Role of Religion in Politics

Catalog Number: 0728

Rachel M. McCleary

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This seminar introduces students to the major social scientific theories of religion. We look at the explanatory value of these theories for various aspects of politics: institutions and structures, political parties, civil society, conflict, and economic development. What effect does religion have on politics across societies? How effective are current theories in accounting for the interplay between religion and political life?

Government 90ua. Conflict Resolution

Catalog Number: 2853

Andrew Harriman Kydd

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The post Cold War world is characterized by continuing international and civil conflicts. Some take place along ethnic lines, some along religious lines, some reflect a total breakdown of the state. Some conflicts persist, while others are seemingly resolved. This course will cover the main approaches to conflict resolution and study some of the salient cases. Topics covered include: theories of conflict and conflict resolution, negotiation, the role of external powers, mediation, and peacekeeping.



Government 90wh. Philosophy and Citizenship

Catalog Number: 7797

Dana Richard Villa (University of California, Santa Barbara)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Ever since the trial and condemnation of Socrates, philosophy and citizenship have been viewed as fundamentally opposed ways of life. Is the kind of open-ended, radical questioning characteristic of the philosopher compatible with allegiance to a particular (and inevitably parochial) moral-political community? Is it possible to be a *philosophical* citizen, as Socrates proposed? We consider these and other questions through readings from Thucydides, Plato, Machiavelli, Rousseau, Mill, Nietzsche, Weber, Arendt, Strauss and Walzer.

Tutorials

***Government 91r. Supervised Reading and Research**

Catalog Number: 2444

Sharon R. Krause (fall term) and Russell Muirhead (spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a term paper in a topic or topics not covered by regular courses of instruction.

Note: Limited to juniors and seniors. Does not count for concentration. Offered at the discretion of the individual instructors. Written proposal and signature of Head Tutor required.

***Government 97a. Tutorial — Sophomore Year**

Catalog Number: 3023

Harvey C. Mansfield and Marc Karnis Landy (Boston College)

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 Paul Pierson

Half course (spring term). Hours to be arranged.

This sophomore tutorial will examine a number of episodes in world history, from the Greek city states to the present, in order to study the interrelationships between domestic and international politics, as well as the ideas of relevant political philosophers.

Note: Spring enrollment required of sophomores.

***Government 98r. Tutorial — Junior Year**

Catalog Number: 7179

Sharon R. Krause (fall term), Russell Muirhead (spring term) and members of the Department
Half course (fall term; repeated spring term). Fall: W., 1–3; Spring: Tu., 2–4.

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 (fall term), Russell Muirhead (spring term) and members of the Department Half course (fall term; repeated spring term). Hours to be arranged.

Note: Taken as two half courses by those who have elected the honors program and in order to write their senior theses.

Prerequisite: Two half courses of Government 98 or 90, in any combination.

Political Methodology and Formal Theory

For Undergraduates and Graduates

Government 1000. Quantitative Methods for Political Science I

Catalog Number: 3990

Jasjeet Singh Sekhon and Gary King

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

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. Also open to qualified undergraduates.

Government 1001. Introduction to Quantitative Methods in Political Science

Catalog Number: 0881

Jasjeet Singh Sekhon

Half course (spring term). M., 4–6. EXAM GROUP: 9

This course is specifically designed for undergraduates who wish to use quantitative research methods in their own work. Topics will include descriptive and summary statistics, probability, sampling and statistical inference including estimation and tests of hypotheses. The course emphasizes multiple regression. Applications will focus on two substantive research questions: “Who really won the 2000 Presidential Election”? and “How do citizens evaluate elected officials”? or “Is it really the economy, stupid”?

Prerequisite: High school algebra.

Cross-listed Courses

Social Analysis 46. Thinking about Politics: A Rational Choice Approach



Primarily for Graduates

Government 2001. Advanced Quantitative Research Methodology

Catalog Number: 8941

Gary King

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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: Prerequisite: Govt 1000 or the equivalent.

Government 2002. Topics in Quantitative Methods

Catalog Number: 8168

Jasjeet Singh Sekhon

Half course (spring term). Th., 4–6. EXAM GROUP: 18

The class explores various topics in quantitative methods. Particular attention is given to time-series and time-series cross sectional analysis. Additional topics will also be covered in part depending on the interests of the participants. Additional topics may include generalized linear models, latent variable models, and limited-dependent and qualitative variable methods.

Note: Qualified undergraduates welcome.

***Government 2004. Qualitative Analysis: Analytic Frameworks for Explaining and Predicting Decisions and Actions in Domestic and Foreign Affairs**

Catalog Number: 5002 Enrollment: Limited to 12.

Graham T. Allison, Jr. (Kennedy School)

Half course (fall term). M., 4–6. EXAM GROUP: 9

This seminar will examine the philosophical and conceptual assumptions embodied in alternative models for explaining and predicting decisions and actions in both foreign and domestic affairs.

The principal case to be examined is the Cuban missile crisis.

Note: Offered jointly with the Kennedy School of Government as ISP-305. Meets at the Kennedy School.

Government 2005. Game Theory I

Catalog Number: 1719

Scott Ashworth and Andrew Harriman Kydd

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. Undergraduates welcome.

Government 2006. Game Theory II

Catalog Number: 5487

Scott Ashworth and Andrew Harriman Kydd

Half course (spring term). M., 12–2; F., at 10 . 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 2004–05.

Government 2009. Methods of Political Analysis

Catalog Number: 1080

Peter A. Hall

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Covers the issues and techniques central to designing and researching a good dissertation, whether quantitative or qualitative, including principles of research design, case selection, comparison, measurement, and causal relations, with many practical examples.

Note: Open to all doctoral students regardless of year and advanced undergraduates.

[Government 2010. Strategies of Political Inquiry]

Catalog Number: 7421

Gary King, Robert D. Putnam, 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. Also for undergraduates preparing for sr. theses.

Note: Expected to be given in 2004–05. Primarily for graduate students; also taken by undergraduates preparing for senior thesis research.

***Government 2015. Introduction to Computational Modeling for Social Scientists**

Catalog Number: 9088

Lars-Erik Cederman

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This seminar provides an introduction to Java programming using a package called RePast. Basic agent-based models will be covered.

Prerequisite: Programming experience desirable but not required.

[*Government 2016. Applied Computational Modeling]

Catalog Number: 7465

Lars-Erik Cederman

Half course (spring term). Hours to be arranged.

This seminar covers advanced programming techniques allowing the participants to apply computational techniques to substantive areas of their own choosing.

Note: Expected to be given in 2003–04.

Prerequisite: Government 2015, “Introduction to Computational Modeling for Social Scientists”, or by agreement.



Political Thought and Its History

For Undergraduates and Graduates

Government 1060. The History of Ancient and Medieval Political Philosophy

Catalog Number: 4978

Richard Tuck

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Philosophical debates about politics, from Plato to the Early Renaissance.

Government 1061. The History of Modern Political Philosophy

Catalog Number: 5035

Nancy Lipton Rosenblum

Half course (spring term). Tu., Th., at 10 and a weekly section to be arranged. EXAM GROUP: 12

Political philosophy from Machiavelli to Nietzsche.

Government 1065. Continental Political Thought

Catalog Number: 6288

Dana Richard Villa (University of California, Santa Barbara)

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Examines the response of leading theorists to the promise and pathologies of the modern age. Considers the political implications of the decline of authority, community, and the public sphere; the problem of institutionalizing freedom in the modern nation state; and the fate of moral and political agency in a bureaucratized world. Special attention paid to political and cultural criticisms of liberal democracy. Readings from Hegel, Marx, Nietzsche, Weber, Schmitt, the Frankfurt School, and Hannah Arendt.

Government 1088. English Political Thought 1500-1700

Catalog Number: 3734

Richard Tuck

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

This course studies the political theory produced by writers in England during the two centuries in which it became a modern state with global power. Authors to be studied will include Thomas More, Richard Hooker, Thomas Hobbes, the Levellers, James Harrington and John Locke, together with a number of less well-known figures. Particular attention will be paid to the themes which run through all their work: private property, human rights, republican government and international conflict.

Government 1090. Issues and Theories

Catalog Number: 8443

Harvey C. Mansfield and William Kristol

Half course (spring term). M., 2-4 and a section to be arranged. EXAM GROUP: 7, 8

Debates in American politics today and the theories behind them: the war on terror, the American empire, race, gender, sex, cloning, religion, education, Presidential character. Readings in political philosophy, American political thought, and contemporary partisan debate.



Cross-listed Courses

Note: These courses do *not* satisfy the political theory field requirement in Government.

[Foreign Cultures 33. Les doctrines politiques et sociales de la France]

***Freshman Seminar 43k. Moral Choice and Politics as Represented in Literature**

[Moral Reasoning 17. Democracy and Inequality]

Moral Reasoning 22. Justice

Moral Reasoning 50. The Public and the Private in Politics, Morality, and Law

[Moral Reasoning 58. Slavery in Western Political Thought]

[Moral Reasoning 64. Ethics and Everyday Life: Work and Family]

Moral Reasoning 68. Legalism: Ruly and Unruly Thought and Practices

[Moral Reasoning 70. Rights]

Primarily for Graduates

***Government 2030. Political Concepts: Field Seminar**

Catalog Number: 0551

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). Tu., 10–12. EXAM GROUP: 12, 13

Are there some things that money cannot or should not buy? If so, what moral limits, if any, should the law impose on market exchanges? The seminar will examine 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 consider the philosophical questions they raise.

Note: Offered jointly with, and meets at, the Law School as 96800-11. Open to GSAS students with permission of the instructor.

Government 2046. Roman Politics and Political Thought

Catalog Number: 7880

Richard Tuck

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Rome was the first mass electoral democracy, whose political structures and history have been formative for all subsequent politics. This course studies the politics of Republican and early Imperial Rome, and the writings of their philosophers, historians and lawyers.

Government 2049. Philosophical Foundations of Rational Choice Theory

Catalog Number: 3552

Richard Tuck

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

This course will look first at the idea of rationality in modern economics, and then at the



application of this idea to a number of important issues in political science, culminating in the question of social co-operation.

***Government 2050. Democratic Theory and Election Law**

Catalog Number: 9154 Enrollment: Limited to 28.

Dennis F. Thompson and Heather K. Gerken (Law School)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An exploration of the theoretical dimensions of contemporary legal controversies about the electoral process in the United States. 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.

Note: Offered jointly with Harvard Law School as 92050-31. To be given at the Law School. Students who plan to register for the course through FAS should submit a letter of interest and a brief description of academic background to Professor Thompson. Students registering through the Law School should send this material to Professor Gerken.

***Government 2067. Liberalism**

Catalog Number: 2471

Glyn Morgan

Half course (fall term). W., 7–9 p.m. EXAM GROUP: 9

This course examines the arguments and strategies liberal political philosophers have adopted to handle the problem of value pluralism. Readings from J.S. Mill, J. Locke, F. Hayek, J. Habermas, J. Rawls, I. Berlin, J. Raz, and P. Mehta.

Note: Limited enrollment.

Government 2080a. Topics in Political Philosophy: Manliness

Catalog Number: 3429

Harvey C. Mansfield

Half course (spring term). W., 4–6. EXAM GROUP: 9

The virtues and failings of this strange quality; whether it can be abolished, or if not, how it should be tamed; its relation to politics; its function in liberalism. Readings from ancient and modern philosophers from Plato to Nietzsche; works of fiction; feminist theory.

[Government 2085. Nationalism]

Catalog Number: 5097

Glyn Morgan

Half course (fall term). Hours to be arranged.

Questions addressed include: is nationalism a defensible political ideology? what is liberal nationalism? can rational choice theory explain nationalism? does nationalism make sense in an era of globalization and multiculturalism.

Note: Expected to be given in 2003–04.

Comparative Government

For Undergraduates and Graduates



Government 1100. Political Economy of Development

Catalog Number: 7687

Rachel M. McCleary

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Two contradictory hypotheses about development are advanced today. Some argue that economic development brings cultural changes that are conducive to values such as free speech, political participation, and democracy. Others argue that economic development destroys cultural networks increasing poverty and inequality. Employing a two-tiered approach, we look at empirical factors - political, social, religious, economic - thought to influence a society's development. We then examine policies advanced by governments, non-governmental agencies, and international financial organizations to promote development.

Government 1102. Democratization and Economic Reform

Catalog Number: 6232

Yoshiko M. Herrera

Half course (spring term). M., W., at 11 and a section to be arranged. EXAM GROUP: 4

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.

[*Government 1115. Collective Action, Protest Movements, and Politics]

Catalog Number: 5508

Grzegorz Ekiert

Half course (spring term). Hours to be arranged.

Reviews the contemporary literature on collective action, protest, and social movements. Focuses primarily on political factors facilitating protest, repertoires of contention, the role of cultural factors and the construction of identities through collective action, and methods of studying collective action. Cases will be drawn from different regions and historical periods.

Note: Expected to be given in 2003–04.

[Government 1145 (formerly Government 90rb). Comparative Constitutional Engineering]

Catalog Number: 4678

Cindy Skach

Half course (spring term). Hours to be arranged.

This course critically examines when, and how, institutional design affects the performance and stability of democracy. Topics include the manipulation of party systems via electoral systems; incentive structures in the presidential, parliamentary, and semi-presidential constitutional types; the “problems” of divided government, minority government and divided minority government; the increasingly important role of constitutional courts; and the challenge of engineering in deeply divided societies. Examples are drawn from a variety of world regions and historical periods.

Note: Expected to be given in 2003–04.



Government 1166. Canadian Politics and Government

Catalog Number: 8996

Robert C. Vipond (University of Toronto)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Canada was created in part as an alternative to the United States. What was the original vision? In this era of integration and globalization, what remains distinctive about Canadian politics? This course provides an overview of the Canada political system: key governmental institutions; the Charter of Rights; political parties and voting behavior, ideologies and political culture; regionalism and Quebec. References throughout to the U.S.; treatment of recent tensions in Canada-U.S. relations.

[Government 1173. The Politics of Western Europe]

Catalog Number: 0105

Cindy Skach

Half course (spring term). Hours to be arranged.

A critical introduction to domestic institutions and policy styles in Western Europe since 1945. Britain, France, Germany, and Italy will be examined in the context of more comparative themes. Topics discussed will include: political parties, interest groups, and changing patterns of interest articulation and representation; constitutional types and executive-legislative behavior; the politics of federalism and regionalism; the evolving conceptions of the state, sovereignty and citizenship; and the “Europeanization” of domestic politics.

Note: Expected to be given in 2003–04.

[*Government 1197 (formerly *Government 2197). Political and Economic Development in Africa]

Catalog Number: 9130 Enrollment: Limited to 20.

Robert H. Bates

Half course (fall term). Hours to be arranged.

Students will attend lectures with Social Analysis 52 and also meet for a 1 1/2 hour seminar. Reading and discussion will focus on the political economy of development in Africa, viewed from an historical perspective.

Note: Expected to be given in 2003–04.

***Government 1203 (formerly Government 2203). Political Transitions in East Central Europe**

Catalog Number: 7078 Enrollment: Limited to 15.

Grzegorz Ekiert

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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: Weekly meetings will be divided between lecture and discussion. Preference given to juniors and seniors.



Government 1208. The Politics of Islamic Resurgence

Catalog Number: 0907

Eva Bellin

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Studies the impact of Islamic resurgence on both international and intranational politics. Explores competing explanations for Islamic resurgence (cultural, economic, and political), Islamic movements in comparative perspective (with cases selected cross-regionally from Iran and Egypt to Indonesia and France), the ideological content of Islamic revival (and debates over its potential conflict with Western notions of democracy, human rights, and gender equality), the successes and failures of Islamic revolution, the politics of cultural change, and Islam as supranational movement.

Government 1243. Russian Politics in Transition

Catalog Number: 1982

Oleg Valeryovich Kharkhordin (European University at St. Petersburg, Russia)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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 2003–04.

Government 1270. Government and Politics of Modern Japan

Catalog Number: 1571

Gregory J. Kasza (Indiana University)

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

An introduction to the political life in contemporary Japan. Explores the interaction of political parties, bureaucracy, interest groups, the media, leadership and ideology, with an emphasis in the ongoing transformation of the Japanese political system. Special attention to current policy issues, including industrial policy, social policy, trade, defense, foreign policy, administrative and political reform.

[Government 1273. The Political Economy of Japan]

Catalog Number: 1365

Margarita Estevez-Abe



Half course (spring term). Hours to be arranged.

This course examines the history of Japan's political economy, its recent success and its current problems. Why did Japan succeed in becoming the first non-Western society to industrialize? Did Japan develop a particular brand of capitalism? What role did the political system play? What are its advantages and disadvantages of the Japanese model? Can it overcome the current technological changes and global pressures? Or is it no longer a viable model to emulate?

Note: Expected to be given in 2003–04.

[Government 1280. Government and Politics of China]

Catalog Number: 1643

Elizabeth J. Perry

Half course (fall term). Hours to be arranged.

General introduction to the politics of contemporary China. Basic objectives are to provide a working knowledge of Chinese political programs and practices, and to encourage a critical evaluation of the positive and negative aspects of China's socialist experiment.

Note: Expected to be given in 2004–05.

Government 1290. Institutions and Accountability in Latin America

Catalog Number: 0111

John M. Carey (Washington University)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Modern Latin American governments are generally elected, but whether they meet democratic standards varies from country to country, and depending on the elements of democracy under consideration. This course examines the performance of Latin America's political regimes in areas such as elections and representation, transparency in policymaking, decentralization, and corruption. It addresses the central questions of whether the goal of accountability of public officials to citizens has been realized, where it has not, and why.

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, exploring the causes and consequences of phenomena such as populism, economic development, military rule, democratization, and neoliberalism. Covers politics from the emergence of populism in the 1930s and 1940s to the military regimes of the 1970s to contemporary processes of democratization and economic reform. Compares different theoretical approaches to explaining both general patterns of change and differences among Latin American countries.

Cross-listed Courses

Foreign Cultures 48. The Cultural Revolution

***Freshman Seminar 43e. Women's Movements in Latin America**

[Historical Study A-15. Politics and Society in the Making of Modern India]

[Historical Study A-53. The Chinese Revolutionary Tradition]

Historical Study A-73. The Political Development of Western Europe



[Historical Study B-64. The Cuban Revolution, 1956–1971: A Self-Debate]
Social Analysis 52. Growth and Development in Historical Perspective

Primarily for Graduates

***Government 2105. Comparative Politics: Field Seminar**

Catalog Number: 0154

Jorge I. Domínguez and Torben Iversen

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Surveys topics in comparative politics (both the developed and the developing world), including the rise of the modern state; institutions of government; interest mediation; democracy and authoritarianism; revolution; political parties; mass and elite political behavior.

Government 2114. The Political Economy of Development

Catalog Number: 7029

Robert H. Bates

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Students will attend lectures of Social Analysis 52 and then meet as a separate seminar. The readings and discussion will focus on the political economy of agriculture and industrialization; of ethnicity and political conflict; and of state formation and political collapse.

[*Government 2131. Comparative Politics of Latin America]

Catalog Number: 3337

Jorge I. Domínguez

Half course (fall term). Hours to be arranged.

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 given in 2003–04. To ensure a seminar-like environment, limited to 10 with preference to doctoral students.

[*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 2003–04.

Government 2148. Civil Society, West and East

Catalog Number: 4675

Susan J. Pharr and Grzegorz Ekiert

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Focusing in particular on European and Asian settings, the seminar examines debates over what



civil society is, notions of public space and social capital, and the role of civil society in political transitions.

[Government 2150. Institutional Foundations of Modern Capitalism]

Catalog Number: 4583

Margarita Estevez-Abe and Torben Iversen

Half course (spring term). Hours to be arranged.

A survey of theoretical and empirical literatures on varieties of modern capitalism. The course seeks to explain differences in economic institutions and outcomes, and how these interact with political processes in advanced democracies.

Note: Expected to be given in 2003–04.

***Government 2158. Political Institutions and Economic Policy**

Catalog Number: 6448 Enrollment: Limited to 16.

Jeffrey Frieden and Kenneth A. Shepsle

Half course (fall term). M., 4–6. EXAM GROUP: 9

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.

***Government 2160. Politics and Economics**

Catalog Number: 7780

James E. Alt and Torben Iversen

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[Government 2162. Perspectives on Political Economy]

Catalog Number: 1999

Robert H. Bates and Kenneth A. Shepsle

Half course (fall term). Hours to be arranged.

A microperspective on various topics in political economy, including the emergence and development of institutions, property rights, agency relationships, the effects of time on politics, and the role of politicians (“putting the politicians back in.”)

Note: Expected to be given in 2003–04.

[Government 2210. Political Economy of the Post-Socialist Transition]

Catalog Number: 8815

Yoshiko M. Herrera

Half course (fall term). Hours to be arranged.

This course examines the effort to build market economies in Eastern Europe and the states of the former Soviet Union.

Note: Expected to be given in 2003–04.



[Government 2213. Comparative Politics of Post-Socialism]

Catalog Number: 6876

Yoshiko M. Herrera

Half course (fall term). Hours to be arranged.

A research seminar designed to define an agenda for the comparative analysis of political developments among postsocialist systems. Emphasis placed on the formation of research proposals, methods of analysis, theory-building, and the presentation of comparative empirical research.

Note: Expected to be given in 2003–04.

Government 2218. Topics in Russian Politics

Catalog Number: 0872

Timothy J. Colton

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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.

[Government 2262. Politics and Political Economy in Japan]

Catalog Number: 7446

Susan J. Pharr

Half course (fall term). Hours to be arranged.

Explores major issues in Japanese politics and political economy in historical and comparative perspective, including the role of the ruling party, bureaucracy, and big business in policymaking; the trade-offs of a “one-party dominant” political system; the role of an opposition in such a system; and the international, sociocultural, economic, and political determinants of domestic policy choices.

Note: Expected to be given in 2003–04. Open to qualified undergraduates.

Government 2284. Chinese Authors on Chinese Politics

Catalog Number: 7556

Roderick MacFarquhar

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of how P.R.C. authors have analyzed the politics of their country and comparisons with relevant Western accounts.

Prerequisite: A good reading knowledge of Chinese and previous course work on Chinese politics. Open to qualified undergraduates.

[*Government 2285. Political Science and China]

Catalog Number: 1566

Elizabeth J. Perry

Half course (spring term). Hours to be arranged.

This graduate seminar gives students control over the secondary literature on Chinese politics, with special attention to competing theoretical and methodological approaches.

Note: Expected to be given in 2003–04.

American Government, Public Law and Administration



For Undergraduates and Graduates

Government 1300. The Politics of Congress

Catalog Number: 8868

Barry C. Burden

Half course (spring term). M., W., at 12 and a weekly section to be arranged. EXAM GROUP: 5

This course is a thorough survey of what scholars know about legislative elections and legislative organization. Its focus is both descriptive and theoretic; the expectation is that legislative outcomes are the product of systematic calculation by goal-directed political actors. Topics include committee power, party leadership, rules and procedures, candidate recruitment, and redistricting among others.

Government 1340. The Federal System

Catalog Number: 1721

Murray Dry (Middlebury College)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course examines the development of American constitutionalism through the study of Supreme Court decisions. The topics include judicial power, the contract clause, federalism, the separation of powers, substantive due process, and civil and voting rights under the thirteenth, fourteenth, and fifteenth amendments (everything but the Bill of Rights). Recent cases involve federalism and the tenth and eleventh amendments, legislative-executive conflicts, federal protection of civil rights, fundamental rights (privacy-autonomy) and suspect classifications (race, gender).

Government 1352. Campaigns and Elections

Catalog Number: 5665

Andrea L. Campbell

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Examines U.S. 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. Elections

Catalog Number: 4721

Scott Ashworth

Half course (fall term). M., W., at 11. EXAM GROUP: 4

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 will be given to electoral reform. Elements of game theory and statistics will be introduced as needed.

[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 2004–05.

***Government 1540. The American Presidency**

Catalog Number: 4925 Enrollment: Limited to 150. Enrollment limit 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 U.S. political system. *Spring Term:* Examines the strategies candidates employ when campaigning for the presidency, starting in the primaries and continuing through the general election. Also 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 course is offered jointly with the Kennedy School of Government as PAL-115. Meets at FAS.

Government 1572. Black Americans and the Political System

Catalog Number: 5796

Michael C. Dawson

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course will focus 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 will 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.

***Government 1582. Who Are We? Issues of American National Identity**

Catalog Number: 9119

Samuel P. Huntington

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This is a limited enrollment discussion course for both graduate and undergraduate students.

Topics include: ethnic, racial, cultural, and ideological concepts of American identity; the relation between national and other identities; contemporary debates over national identity; immigration, assimilation, and Anglo-Hispanic biculturalism; America as the “exceptional” or “universal” country; the problem of the lack of an opposing “evil empire;” the impact of different conceptions of identity on America's international role.



[Government 1590. Making American Public Policy]

Catalog Number: 4184

Paul Pierson

Half course (spring term). Hours to be arranged.

Survey of basic approaches to the study of national policymaking in the United States. What factors influence the identification of policy problems, the setting of agendas, and executive legislative decisions? How does the distinctive structure of American political institutions affect the policymaking process? Course balances a review of theoretical approaches to public policy analysis with detailed case studies on environmental, health, and budgetary policy.

Note: Expected to be given in 2004–05.

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 Theda Skocpol

Half course (fall term). W., 11–1. EXAM GROUP: 4, 5

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 2307. Frontiers in American Political Research](#)

Catalog Number: 9635

Daniel P. Carpenter and Paul E. Peterson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Presents a free-flowing examination of important recent work in American politics including bureaucratic behavior and the increasing use of field experiments. The professors will propose seven to eight topics and students are invited to propose others.

[Government 2310 (formerly Government 2113). Social Capital and Public Affairs: Research Seminar]

Catalog Number: 7051

Robert D. Putnam

Half course (spring term). Hours to be arranged.

Topics in the relationship between politics and civil society in the United States.

Note: Expected to be given in 2003–04. Offered jointly with the Kennedy School of Government as API-420. Meets at the Kennedy School.



[Government 2312. Public Opinion and Public Choice]

Catalog Number: 7315

Jasjeet Singh Sekhon

Half course (spring term). Hours to be arranged.

Explores the relationship between public opinion and public policy. Studies macroeconomic, health, and technology policy development. Also explores nontraditional method.

Note: Expected to be given in 2004–05. Qualified undergraduates are welcome.

Government 2326. American Political Development and Contemporary Politics

Catalog Number: 8914

Paul Pierson and Theda Skocpol

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[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 2004–05.

Government 2392. American Political Ideologies

Catalog Number: 6079

Jennifer L. Hochschild

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

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.

Government 2445. Problems in the Study of Urban Politics

Catalog Number: 3664

Michael C. Dawson

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course is designed to allow students to place research which tackles some of the basic urban problems that confront American society within the context of theories of urban politics.

***Government 2490. Educational Politics and Policy**

Catalog Number: 3399

Paul E. Peterson and William G. Howell

Half course (fall term). W., 4–6. EXAM GROUP: 9

Analyses of controversies in research on educational policy and government with special interest



given to urban schools.

Note: Permission of instructor required for all students who are not degree candidates in the FAS Department of Government. Offered jointly with the Kennedy School of Government as HLE-348. Meets at the Kennedy School.

Government 2505. Inter-Institutional Dynamics in American Politics

Catalog Number: 4546

William G. Howell

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

Government 2578. Race and Politics in the United States

Catalog Number: 3632

Lawrence D. Bobo and Michael C. Dawson

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

This seminar probes the controversy around the role of race in American society and politics. A variety of historical, ethnographic, theoretical, and quantitative material will be examined. Substantial focus on appropriate methodologies will also be a focus of this course.

Cross-listed Courses

Government students interested in taking the following two courses must consult with the Director of Graduate Studies:

***Sociology 296a. Proseminar on Inequality and Social Policy I**

***Sociology 296b. Proseminar on Inequality and Social Policy II**

International Relations

For Undergraduates and Graduates

Government 1730. War and Politics

Catalog Number: 6806

Stephen Peter Rosen

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

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.

[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 1750. Nationalism in International Relations

Catalog Number: 0273

Lars-Erik Cederman

Half course (spring term). Tu., Th., at 12; Tu., at 1; Tu., at 11; M., at 1; Tu., at 10. EXAM GROUP: 14

Nationalism is one of the most salient phenomena in the contemporary world. Yet it remains an under-theorized topic in International Relations. The first part of this course will explore its historical and conceptual origins focusing on Europe. The second part applies the findings of the first part to issues in the contemporary world, including decolonization, the end of the cold war, post-communist politics, ethnic conflict and supranational integration.

[Government 1760. International Relations of East Asia]

Catalog Number: 2733

Alastair Iain Johnston

Half course (fall term). 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 will also present some theoretical and methodological tools for more systematic analysis of these issues. The goal will be to understand changing levels of conflict and cooperation in the region.

Note: Expected to be given in 2004–05.

[Government 1780. International Political Economy]

Catalog Number: 0272

Jeffrey Frieden

Half course (spring term). Hours to be arranged.

Analyzes the interaction of politics and economics in the international arena. Focuses on international trade, investment, monetary, and financial relations. Includes discussion of developed, developing, and formerly centrally-planned nations.

Note: Expected to be given in 2003–04.

Government 1790. American Foreign Policy

Catalog Number: 8017

Benjamin O. Fordham (SUNY, Albany)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

This course will examine the formulation of American foreign policy, considering both contemporary policy issues and important historical questions. The goal of the course is to provide students with a general understanding of the individuals, institutions, and broader social and political forces shaping the formulation and implementation of American foreign policy.

***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). Hours to be arranged.

Introduction to the descriptive history of China's international relations with special focus on different theoretical explanations for changes in foreign policy behavior (e.g. polarity, history, ideology, leadership, bureaucracy, among others). No prior background in China or international relations theory required.

Note: Expected to be given in 2003–04.

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 Harriman Kydd and Andrew Moravcsik

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

Jeffry Frieden

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

[*Government 2721. Psychological Approaches to International Relations](#)

Catalog Number: 5404

Stephen Peter Rosen

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course will examine the relevance of the findings from experimental psychology to the



behavior of individual decision makers in international relations. Topics will include prospect theory, attribution theory, and evolutionary psychology.

[Government 2738. Game Theory and International Relations]

Catalog Number: 7791

Andrew Harriman Kydd

Half course (spring term). Hours to be arranged.

A survey of applications of game theory to international relations. Focuses on the central debates in international relations theory and how game theory has contributed to advancing and understanding them.

Note: Expected to be given in 2003–04.

Government 2740. Models of Politics

Catalog Number: 7181

Bear F. Braumoeller

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course 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.

***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.

Note: Two semesters of statistics or equivalent or permission of instructor.

***Government 2761. International Organization**

Catalog Number: 8442

Lisa L. Martin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

International politics increasingly means institutionalized interaction among states. This course examines the sources and effects of international institutions. It draws on institutional theories from many fields: international relations, American politics, economics. The purpose is to generate topics for research.

***Government 2784. Global Politics in the Post-Cold War World**

Catalog Number: 1915

Samuel P. Huntington

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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: Open to qualified undergraduates.



***Government 2790. Central Issues of American Foreign Policy**

Catalog Number: 3567

Graham T. Allison, Jr. (Kennedy School)

Half course (spring term). Hours to be arranged. 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 of Government as ISP-202. Meets at the Kennedy School.

Government 2791. Comparative Foreign and Security Policy

Catalog Number: 7696

Alastair Iain Johnston

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

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. Prior training in IR theory strongly recommended.

[*Government 2795. Military Organizational Politics]

Catalog Number: 9111

Stephen Peter Rosen

Half course (spring term). Hours to be arranged.

The course will examine organizational behavior theory with particular reference to the politics of military organizational behavior.

Note: Expected to be given in 2003–04.

[*Government 2880. International Relations Theory and Chinese Foreign Policy]

Catalog Number: 4188

Alastair Iain Johnston

Half course (spring term). W., 4–6. EXAM GROUP: 9

An intensive reading and research course in the application of international relations theory to the study of Chinese foreign policy. Topics will include structural, economic, normative, domestic, political, and psychological theories, research methods and data sources, and the use of these in the analysis of substantive issues in China's bilateral and multilateral interactions.

Note: Expected to be given in 2003–04.

***Government 2900. U.S.–Latin American Relations**

Catalog Number: 8020

Jorge I. Domínguez

Half course (fall term). W., 4–6. EXAM GROUP: 9

Studies U.S.–Latin American political, military, and economic relations and Latin American international relations. Includes foreign policy decision making in the U.S. and Latin America and alternative approaches to the study of the subject.

Note: To ensure a seminar-like environment limited to 10, with preference to doctoral students.



Graduate Courses of Reading and Research

***Government 3000. Reading and Research**

Catalog Number: 3391

Roderick MacFarquhar 7856, James E. Alt 1593, Scott Ashworth 3318, Lisa Baldez (Washington University) 4304 (spring term only), Robert H. Bates 1251, Eva Bellin 3446, Bear F. Braumoeller 3330 (on leave fall term), Barry C. Burden 2524, Andrea L. Campbell 2508 (on leave fall term), John M. Carey (Washington University) 4394 (spring term only) (fall term only), Daniel P. Carpenter 4509 (spring term only), Lars-Erik Cederman 3964, Timothy J. Colton 2269, Michael C. Dawson 4434, Jorge I. Domínguez 3823, Murray Dry (Middlebury College) 4397 (spring term only), Grzegorz Ekiert 2718, Margarita Estevez-Abe 3565 (on leave 2002-03), Benjamin O. Fordham (SUNY, Albany) 4299, Jeffry Frieden 1627 (on leave spring term), Peter A. Hall 7272, Yoshiko M. Herrera 1622 (on leave fall term), Michael J. Hiscox 4104 (on leave 2002-03), Jennifer L. Hochschild 3785 (on leave 2003-04), Stanley Hoffmann 1757, William G. Howell 4342, Samuel P. Huntington 1765, Torben Iversen 1250, Joel A. Johnson 4504, Alastair Iain Johnston 3213 (on leave spring term), Devesh Kapur 3071 (on leave 2002-03), Gregory J. Kasza (Indiana University) 4398 (spring term only), Oleg Valeryovich Kharkhordin (European University at St. Petersburg, Russia) 4410 (fall term only), Gary King 1723 (on leave 2002-03), Sharon R. Krause 3353 (on leave spring term), William Kristol 4399, Andrew Harriman Kydd 3965, Marc Karnis Landy (Boston College) 4471 (fall semester only) (fall term only), Steven R. Levitsky 2395 (on leave fall term), Harvey C. Mansfield 1731, Lisa L. Martin 1048, Rachel M. McCleary 4400, Jens Meierhenrich 4401, Andrew Moravcsik 2937 (on leave fall term), Glyn Morgan 2184, Russell Muirhead 1012 (on leave fall term), Pippa Norris 2218, Elizabeth J. Perry 3074 (on leave 2002-03), Paul E. Peterson 2114, Susan J. Pharr 1518, Paul Pierson 2075, Robert D. Putnam 6193 (on leave 2002-03), Stephen Peter Rosen 2721, Nancy Lipton Rosenblum 3786, Carol R. Saivetz 3341, Michael J. Sandel 7065, Jasjeet Singh Sekhon 2244 (on leave fall term), Catherine R. Shapiro 4047, Kenneth A. Shepsle 1421 (on leave spring term), Cindy Skach 3386 (on leave 2002-03), Theda Skocpol 1387 (on leave spring term), Christina Tarnopolsky 4362, Dennis F. Thompson 1426, Richard Tuck 1704, Sidney Verba 4072, Dana Richard Villa (University of California, Santa Barbara) 3971 (fall term only), and Robert C. Vipond (University of Toronto) 4402

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

Theda Skocpol 1387 (on leave spring term), Barry C. Burden 2524, Daniel P. Carpenter 4509, Jennifer L. Hochschild 3785 (on leave 2003-04), and Sidney Verba 4072

Full course (indivisible). M., 4–6. EXAM GROUP: Spring: 9

A forum for the presentation and discussion of research in progress by graduate students (2nd year and above), faculty, and visiting scholars. Anyone working on contemporary American politics or on U.S. political development is welcome. Occasional presentations by invited speakers.

***Government 3005b. Research Workshop in International Relations: New Approaches to Security Studies**

Catalog Number: 1016

Stephen Peter Rosen 2721

Full course (indivisible). Fall: W., 11–2; Spring: Tu., 12–2. EXAM GROUP: Fall: 4, 5, 6; Spring: 14, 15

Research workshop for advanced graduate students working on dissertation proposals in security studies.

***Government 3006. Research Workshop in Comparative Politics**

Catalog Number: 0910

Samuel P. Huntington 1765, Eva Bellin 3446, John M. Carey (Washington University) 4394 (spring term only), and Susan J. Pharr 1518

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. Doctoral students from other departments and faculties admitted if space permits.

***Government 3007. Research Workshop in Political Economy**

Catalog Number: 0968

Scott Ashworth 3318 and Robert H. Bates 1251

Full course (indivisible). Fall: W., 4–6; Spring: Tu., 12–2. EXAM GROUP: Fall: 9; Spring: 14, 15

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 fall term), Garrett M. Fitzmaurice (Public Health) 4067, Lee Fleming (Business School) 3839, Gary King 1723 (on leave 2002-03), Donald B. Rubin 7966, and Christopher Winship 3189

Full course (indivisible). W., 12–2. EXAM GROUP: Spring: 5, 6

A forum for graduate students, faculty, and visiting scholars to present and discuss work in progress. Features a tour of Harvard's statistical innovations and applications with weekly stops in different disciplines. Occasional presentations by invited speakers.



Health Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Health Policy

Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*) (*Chair*)

Alyce Adams, Assistant Professor of Ambulatory Care and Prevention (*Medical School*)

Nancy Dean Beaulieu, Assistant Professor of Business Administration (*Business School*)

Robert J. Blendon, Professor of Health Policy and Political Analysis (*Public Health, Kennedy School*)

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*) (*on leave 2003-04*)

Paul D. Cleary, Professor of Medical Sociology (*Medical School*)

David M. Cutler, Professor of Economics

Arnold M. Epstein, John H. Foster Professor of Health Care Policy and Management (*Public Health*)

Richard G. Frank, Margaret T. Morris Professor of Health Economics (*Medical School*)

Susanne J. Goldie, Associate Professor of Health Decision Science (*Public Health*)

John D. Graham, Professor of Policy and Decision Sciences (*Public Health*)

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy

Edward Guadagnoli, Associate Professor of Health Care Policy (*Medical School*)

James K. Hammitt, Associate 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 (*on leave 2002-03*)

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology (*FAS*) and Professor of Psychiatry and Medical Anthropology (*Medical School*)

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*)

Barbara J. McNeil, Ridley Watts Professor of Health Care Policy and Professor of Radiology (*Medical School*)

Carl N. Morris, Professor of Statistics

Peter J. Neumann, Associate Professor of Policy and Decision Sciences (*Public Health*)

Sharon-Lise T. Normand, Associate Professor of Biostatistics (*Medical School, Public Health*)

Paul Pierson, Professor of Government

Gary Paul Pisano, Harry E. Figgie Jr. Professor of Business Administration (*Business School*)

Meredith B. Rosenthal, Assistant Professor of Health Economics and Policy (*Public Health*)



Donald B. Rubin, John L. Loeb Professor of Statistics

Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)

Stephen B. Soumerai, Professor of Ambulatory Care and Prevention (*Medical School*)

B. Katherine Swartz, Professor of Health Economics (*Public Health*) (*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, Associate Professor of Statistics (*Medical School*)

Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

Other Faculty Offering Instruction in Health Policy

Jason R. Barro, Assistant Professor of Business Administration (*Business School*)

David Hemenway, Professor of Health Policy (*Public Health*)

Thomas A. McLaughlin, Assistant Professor of Ambulatory Care and Prevention (*Medical School*)

Ellen R. Meara, Assistant Professor of Health Economics (*Medical School*)

The PhD in Health Policy, awarded by the Faculty of Arts and Sciences, draws upon the resources of five faculties: The Graduate School of Arts and Sciences, the School of Public Health, the Medical School, and the John F. Kennedy School of Government, and the Harvard Graduate School of Business Administration. This degree is intended primarily for students seeking teaching careers in institutes of higher learning and/or research careers in policy.

Students in the PhD Program in Health Policy choose a concentration and meet specific curriculum requirements in one of seven disciplines: decision sciences, economics, ethics, evaluative science and statistics, management, medical sociology, or political analysis. In addition to choosing a concentration, students specialize in one of four areas of policy interest: environmental health, health care services, 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 Gary P. Pisano, chair). The management concentration emphasizes the organizational, managerial, and strategic issues facing health care providers, payers, and other players in the health care market. Students will learn how theories and concepts from fields such as technology and operations management, organizational behavior, organizational economics, and competitive strategy can be applied to health care organizations. Areas of research include: the design and improvement of health care delivery processes, approaches for improving health care quality and productivity, development and adoption of new medical technologies, financial incentives in health care, new role of patients as consumers of health care, appropriate ownership and organizational structure of hospitals and other health care providers, and management of professional health care staff. Students will be required to take MBA, economic theory, and quantitative methods courses, as well as the Management and Markets course, at the Harvard Business School. We expect students completing this track to find jobs in academic and research institutions which have an interest in the impact of management on health care.

Medical Sociology (Professor Paul D. Cleary, Chair). In this track, students will learn about and contribute to knowledge in several research areas that are extremely important to health policy, including the study of professions and professional behavior; the structure of health care organizations and systems; the impact of organizational and professional change on the structure of medical work; organizational improvement programs and their evaluations; evaluation of intervention programs; the diffusion of innovations across providers and organizations; and the behavior of patients and consumers—including consumer evaluations of health care quality and patient perspectives on the process and outcomes of care.

Political Analysis (Professor Robert J. Blendon, Chair). This concentration is intended for



students who wish to do research on political behavior and its effect in the health field. Students will study theories of public opinion formation, voting behavior, legislative behavior, interest group influence, and political strategy as well as examine the role of both political institutions and the media on influencing health policy outcomes. The research methodologies most utilized in this track include survey research methods and quantitative statistical methods appropriate for large-scale databases. Graduates of this concentration will likely teach and do research on the politics of health care and will be involved with government, professional, and consumer groups on research projects related to the politics of public policy in the health field.

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

Courses

Health Policy 2000. Core Seminar in Health Policy

Catalog Number: 4522

David M. Cutler, Richard G. Frank (Medical School), and Joseph P. Newhouse (Kennedy School, Medical School, Public Health)

Full course (indivisible). Tu., Th., 4–6. EXAM GROUP: 18

Topics include the financing and organization of health care, public health, political analysis, medical manpower, health law and ethics, technology assessment, prevention, mental health, long-term care, and quality of care.

Note: Required for doctoral candidates in Health Policy and open to others by permission of instructor. Offered jointly with the Kennedy School of Government as HCP-597.

***Health Policy 3000. Doctoral Dissertation Research**

Catalog Number: 8422

Members of the Committee on Higher Degrees in Health Policy

Half course (fall term; repeated spring term). Hours to be arranged.

Dissertation research.

***Health Policy 3002. Graduate Reading Course: Mental Health Policy**

Catalog Number: 3528

Richard G. Frank (Medical School) 1371 and Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (throughout the year). Hours to be arranged.

***Health Policy 3010. Graduate Reading Course: Ethics**

Catalog Number: 9241



Allan M. Brandt 3031 (on leave 2003-04)

Half course (fall term; repeated spring term). Hours to be arranged.

***Health Policy 3020. Graduate Reading Course: Political Analysis**

Catalog Number: 3781

Robert J. Blendon 2712

Half course (fall term; repeated spring term). Hours to be arranged.

Provides a forum for the presentation and discussion of research concerning the politics surrounding health policy. Participants will discuss recent examples of research from a range of methodological approaches and will present their own work-in-progress. Graduate students, faculty, and visiting scholars are welcome to present research at all stages of the research process. Occasionally, speakers will be invited to present.

***Health Policy 3030. Graduate Reading Course: Medical Sociology**

Catalog Number: 1826

Paul D. Cleary (Medical School) 2713

Half course (fall term; repeated spring term). Hours to be arranged.

***Health Policy 3040. Research Seminar in Health Policy**

Catalog Number: 8870

B. Katherine Swartz (Public Health) 2461

Half course (fall term; repeated spring term). Hours to be arranged.

***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. EXAM GROUP: Fall: 18

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: Faculty and graduate students in the PhD programs in health policy, social policy, sociology, economics, and government are particularly encouraged to participate.

Cross-listed Courses

[Economics 2460 \(formerly Economics 2910\). The Health Economics Workshop](#)

[*Economics 3460chf. Research in Health Economics](#)

[General Education 186. Introduction to Health Care Policy](#)

[*General Education 187 \(formerly Pforzheimer 123\). The Quality of Health Care in America](#)

[Quantitative Reasoning 24. Health Economics](#)

The Interfaculty Initiative in Health Policy offers support for the study of health policy by undergraduate students concentrating in departments or committees. For information on this and for a copy of “A Course Guide for Undergraduates Interested in Health Policy, Harvard



University,” please contact Joan Curhan, Administrative Director, Interfaculty Initiative in Health Policy at: joan—curhan@harvard.edu

History

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History

Akira Iriye, Charles Warren Professor of American History (*Chair*)
Emmanuel K. Akyeampong, Professor of History
Sven Beckert, Dunwalke Associate Professor of American History (*on leave 2002-03*)
Thomas N. Bisson, Henry Charles Lea Professor of Medieval History (*on leave fall term*)
David Blackbourn, Coolidge Professor of History (*on leave 2002-03*)
Ann M. Blair, Professor of History (*on leave fall term*)
Brian James Boeck, Lecturer on History
Sugata Bose, Gardiner Professor of Oceanic History and Affairs
Daniel V. Botsman, Associate Professor of History
Joyce E. Chaplin, Professor of History (*on leave 2002-03*)
John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs
Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*Head Tutor*)
Sahr R. Conway-Lanz, Lecturer on History, Lecturer on History
Catherine A. Corman, Assistant Professor
Nancy F. Cott, Jonathan Trumbull Professor of American History
Patrice Marie Dabrowski, Lecturer on History
Caroline M. Elkins, Assistant Professor of History
Drew Gilpin Faust, Professor of History and Dean of the Radcliffe Institute for Advanced Study (*Dean of the Radcliffe Institute for Advanced Study*)
Ruth Feldstein, Associate Professor of History and of History and Literature
William E. Gienapp, Harvard College Professor and Professor of History (*on leave spring term*)
Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*on leave 2002-03*)
Peter Eli Gordon, Assistant Professor of History and of Social Studies (*on leave 2002-03*)
James Hankins, Professor of History (*on leave 2002-03*)
Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies (*on leave fall term*)
Patrice Higonnet, Robert Walton Goelet Professor of French History
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 (*Director of Graduate Studies*)

James T. Kloppenberg, Professor of History (*on leave 2002-03*)

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

Jonathan M. Lawrence, Visiting Professor of History (*University of Liverpool*)

Mary D. Lewis, Assistant Professor of History

Eric Lohr, Assistant Professor of History (*on leave 2002-03*)

Charles S. Maier, Leverett Saltonstall Professor of History (*on leave fall term*)

Jane E. Mangan, Assistant Professor of History (*on leave 2002-03*)

Chandra Miller Manning, Lecturer on History

Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences (*on leave 2003-04*)

Ernest R. May, Charles Warren Professor of American History

Bruce Mazlish, Visiting Professor of History (*Massachusetts Institute of Technology*) (*fall term only*)

Michael McCormick, Francis Goelet Professor of Medieval History

Lisa M. McGirr, Associate Professor of History (*on leave 2002-03*)

Rebecca Mary McLennan, Associate Professor of History and of Social Studies (*on leave 2002-03*)

Roy Mottahedeh, Gurney Professor of History

Afsaneh Najmabadi, Professor of History and of Women's Studies

Susan E. O'Donovan, Assistant Professor of Afro-American Studies and of History (*on leave 2003-04*)

E. Roger Owen, A. J. Meyer Professor of Middle East History

Steven Ozment, McLean Professor of Ancient and Modern History

Susan Pedersen, Professor of History

Serge Plokhi, Visiting Professor of History (*University of Alberta*)

Eric W. Robinson, Associate Professor of the Classics and of History

Bruce J. Schulman, Visiting Professor of History (*Boston University*)

Judith Surkis, Assistant Professor of History and of History and Literature

Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*on leave fall term*)

Stephan Thernstrom, Winthrop Professor of History

T. Robert Travers, Assistant Professor of History (*on leave 2002-03*)

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

John H. Van Engen, Visiting Professor of History (*University of Notre Dame*)

Martine J. Van Ittersum, Lecturer on History

Susan W. Ware, Lecturer on History

David Joseph Weber, Visiting Professor of History and Ethnic Studies (*Southern Methodist University*) (*fall term only*)

John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics

Other Faculty Offering Instruction in the Department of History



Mikael Adolphson, Assistant Professor of Japanese History
 Bernard Bailyn, James Duncan Phillips Professor of Early American History, Emeritus
 Peter K. Bol, Harvard College Professor and Charles H. Carswell Professor of East Asian Languages and Civilizations (*on leave 2002-03*)
 Harold Bolitho, Professor of Japanese History
 Kathleen M. Coleman, Professor of Latin
 Albert M. Craig, Harvard-Yenching Research Professor of History
 Charles Donahue, Jr., Professor of Law (*Law School*)
 Carter J. Eckert, Professor of Korean History
 William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology (*on leave 2002-03*)
 Donald Fleming, Jonathan Trumbull Research Professor of American History
 Isaiah M. Gafni, Gerard Weinstock Visiting Professor of Jewish Studies (*Hebrew University*)
 Ivan Gaskell, Margaret S. Winthrop Curator, Harvard University Art Museums, and Senior Lecturer on History
 Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities
 David D. Hall, Professor of American Religious History on the Bartlett and the Emerson Fund for Unitarian Universalist Studies (*Divinity School*)
 Jay M. Harris, Harvard College Professor and Harry Austryn Wolfson Professor of Jewish Studies
 Stanley Hoffmann, Paul and Catherine Buittenwieser 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, Assistant Professor of the Classics (*on leave 2002-03*)
 Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)
 John E. Murdoch, Professor of the History of Science
 Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*) (*on leave spring term*)
 Richard Pipes, Frank B. Baird, Jr. Research Professor of History
 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 (*on leave spring term*)

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

Lizabeth Cohen and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open only to juniors and seniors. Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the consent of the proposed instructor. Ordinarily, students are required to have taken some course work as background for their project. May not count for either concentration or distribution in History.

Tutorials in History

***History 97. Sophomore Tutorial**

Catalog Number: 4469

Laurel Thatcher Ulrich, Ruth Feldstein, Terry D. Martin, and Chandra Miller Manning

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 98a. Honors Research Seminar**

Catalog Number: 3556

Michael McCormick, E. Roger Owen, Patrice Dabrowski and Susan Ware

Half course (fall term). Hours to be arranged.

Methods of historical research and writing.

Note: Required of, and ordinarily limited to, honors juniors concentrating in History.

Prerequisite: Admission to the honors program in History.

***History 98b. Honors Field Tutorial**

Catalog Number: 6063

Patrice M. Dabrowski

Half course (spring term). Hours to be arranged.



Guided research and writing of a junior paper.

Note: Required of, and limited to, honors juniors concentrating in History.

Prerequisite: Admission to the honors program in History.

***History 99. Tutorial — Senior Year**

Catalog Number: 5803

Lizabeth Cohen and members of the Department

Full course. Tu., at 6 or 7:15 p.m.

Note: Required of, and ordinarily limited to, honors seniors concentrating in History. Research and writing the senior honors essay in History. Permission must be obtained in the Tutorial Office. Either half year may be taken as a half course with the consent of the Head Tutor. A student wishing to drop History 99 with credit at midyear must get the consent of the Head Tutor and submit a substantial paper on which final credit can be based. A student who remains in the course in the second half year, but fails to submit an honors thesis when due, must, if desiring credit for the full course, submit a more substantial paper, ordinarily due not later than the day before the spring term Reading Period begins.

Prerequisite: History 98 and recommendation of the 98 tutor.

History 90. Historiography Seminars

These half-courses are limited to 15 participants. All History concentrators are required to take the History 90 in their field, ordinarily in the spring of their sophomore year. Other undergraduates may be admitted into History 90 at the discretion of the instructor. History 90 is closed to graduate students.

***History 90a. Major Themes in Medieval History**

Catalog Number: 0708

Thomas N. Bisson

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Designed in collaboration with students to introduce research topics while complementing other courses. Themes typically include power and society, work, sanctity, gender, learning, theology, crusading, and personality. Stress on views and confusions of modern historians.

Prerequisite: History 10a or History 1101 advisable.

***History 90c. Major Themes in Modern European History: Nation-Building and Nationalism**

Catalog Number: 5303

Mary D. Lewis

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Nationalism has been a productive and destructive force in European society for over 200 years. It has been associated both with sweeping democratic change and with the most brutal, exclusionary acts in modern history. This course will focus on how historians and social scientists have interpreted nation-building and nationalism, as well as how those interpretations have changed both over time and as a function of academic discipline or philosophical approach.

***History 90d. Intellectual History of Early Modern and Modern Europe**

Catalog Number: 4955



Ann M. Blair

Half course (spring term). Hours to be arranged. EXAM GROUP: 16, 17

An introduction to the methods of intellectual history, drawing on sources from early modern and modern Europe. Special focus on ideals and practices of education and scholarship from humanism to the Enlightenment.

***History 90e. Major Themes in American Historical Writing**

Catalog Number: 4577

Lizabeth Cohen and Susan O'Donovan

Half course (spring term). Th., 2–4; 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 frontier; the origins of the American Revolution; labor in the ante-bellum period; and the legacies of the Cold War.

***History 90f. International Relations**

Catalog Number: 4422

Akira Iriye

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Major themes in modern international history.

***History 90g. Comparative History: Major Themes in the Historiography of Colonialism, Imperialism, and Post-Colonialism**

Catalog Number: 0119

Hue-Tam Ho Tai

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A general introduction to theories of imperialism, nationalism, and postcolonialism. Case studies include examples from the African and Asian contexts. Will combine the study of theories with an examination of particular anti-colonial and anti-imperialist movements.

***History 90h. Major Problems of Latin American History: Culture, Class, and Politics**

Catalog Number: 4232

John Womack, Jr.

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

An introduction to the history of the ways in which people in Latin America have conceptualized and lived culture, class, and politics.

***History 90i (formerly History 90x). Major Themes in Ancient History**

Catalog Number: 4922

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., at 1, plus 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

Patrice Higonnet

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Second half of a survey of European history from the first cities and empires to modern times. Also treats some major aspects of the history of the Americas insofar as they form part of overarching Western developments. Topics include absolute monarchy and enlightened despotism; the Enlightenment and age of revolutions; industrialization and nation building; imperialism and the world wars; cultural and social change; the rise and fall of totalitarian regimes.

Note: Required of all history concentrators.

[History 10c (formerly History 1954). The World in the 20th Century]

Catalog Number: 1925

Charles S. Maier and William C. Kirby

Half course (spring term). Hours to be arranged.

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."

Note: Expected to be given in 2003–04.

History 71a. America: Colonial Times to the Civil War

Catalog Number: 6647

Catherine A. Corman

Half course (fall term). Tu., Th., at 10, plus one hour to be arranged. EXAM GROUP: 12

Covers American history from the period of colonial settlement to the Civil War. Topics include the collision of European, African, and native cultures in the age of settlement; colonial British North America; the American Revolution; geographic expansion and social, economic, and cultural change in the Jacksonian era; and slavery and the sectional conflict.

History 71b. The Rise of Modern America, 1865 to Present

Catalog Number: 7671

Sahr R. Conway-Lanz

Half course (spring term). Tu., Th., at 10, plus one hour to be arranged. EXAM GROUP: 12

An introduction to American history from the end of the Civil War to modern times, paying



particular attention to the question of how the 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). Hours to be arranged.

The Roman Empire from its foundation by Augustus to the death of Constantine; its social, political, and military development; its institutions (emperor, senate, army); Roman imperial art and coinage; Greek and Roman literature of the imperial period; religious developments, including Judaism and Christianity under Roman rule; women and minorities. Sections will focus on issues of particular interest and on the study of primary documents. No knowledge of ancient languages required.

Note: Expected to be given in 2003–04. Given in alternate years.

[History 1091. Jewish History in the Second and Post-Temple Period (ca. 500 B.C.E.-500 C.E.)]

Catalog Number: 6035

Isaiah M. Gafni (Hebrew University)

Half course (spring term). Hours to be arranged.

An examination of the effects of the destruction of the Temple on subsequent Jewish development, and discussion of the formulation of new ideologies and the emergence of religious and social frameworks as a result of the destruction. Particular attention will be given to attitudes toward sectarianism, messianism, and the shifting relationship with the Jewish diaspora in late antiquity.

Note: Expected to be given in 2003–04.

History 1092. The Emperor Hadrian: Conference Course

Catalog Number: 1455

Christopher P. Jones

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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. This course aims 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.

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](#)
[\[Classics 155. Roman Games\]](#)
[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 (fall term). Hours to be arranged.

The formation of a European civilization from the conversion of Constantine to the 15th century, Germanic settlements; Carolingian order; power, violence; salvation; crusades; heresy; peasants; knights; gender; monks; friars; a saint-king; schism; the Hundred Years' War. Stress on France, Germany, Italy and Spain.

Note: Expected to be given in 2003–04. 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). M., W., (F.), at 11. EXAM GROUP: 4

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.

[History 1133. Medieval England (ca. 871–1485)]

Catalog Number: 7756

Thomas N. Bisson

Half course (spring term). Hours to be arranged.

English societies, from Anglo-Saxon times to the Tudors. Stress on the Norman conquest, constitutional innovation, the formation of political culture and the origins of Parliament, and agrarian disorder, culture, and war.

Note: Expected to be given in 2003–04. Given in alternate years. Normally alternates with Medieval Studies 117.

History 1137. Cultures of Power in Later Medieval Europe: Conference Course

Catalog Number: 1559

Thomas N. Bisson

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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.

History 1138. Culture, Thought and Religion in the High Middle Ages, 1200-1450

Catalog Number: 4373

John H. Van Engen (University of Notre Dame)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Will explore the impact on society of institutionalized learning, that is, of universities and university men in church and government. Will examine the role religion played in defining expectations and outlooks, as well as fostering critique within society.

History 1150. The Jews in Muslim and Christian Spain

Catalog Number: 5331

Bernard Septimus

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A study of the political, social, and cultural history of the Hispano-Jewish community from the Muslim conquest of Spain in 711 to the expulsion of the Jews from Christian Spain in 1492.

Emphasis on literary and intellectual developments and on the complex relationship of the Jews to Iberian Christendom and Islam.

Note: Combines material from former courses, History 1151 and 1152. Offered jointly with the Divinity School as 3675.

History 1158. The Mediterranean in the Late Middle Ages, 1204–1500: Conference Course

Catalog Number: 2711

Angeliki E. Laiou

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[History 1166. Family, Sex, and Marriage in Western Europe 1300-1700: Conference Course]

Catalog Number: 2725

Steven Ozment

Half course (spring term). Hours to be arranged.

Reading and discussion of major studies and sources illustrative of the development of family life in late medieval and early modern Europe. Attention given to a variety of national traditions and to major historiographical controversies.

Note: Expected to be given in 2003–04. May be taken for seminar credit by graduate students.

History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course



Catalog Number: 6078

Angeliki E. Laiou

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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).

[History 1214. History of the Soul]

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 2003–04.

Cross-listed Courses

[Celtic 107. Early Irish History]

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[Historical Study B-17. Power and Society in Medieval Europe: Crisis in the Twelfth Century]

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]

[Medieval Studies 117. Constitutional and Legal History of Medieval England]

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe](#)

Primarily for Graduates

[*History 2101. Medieval Societies and Cultures: Proseminar](#)

Catalog Number: 6693

Michael McCormick

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Introduction to the study of medieval history, and to the literature basic to the examination field. Stress on the values (and limitations) of older institutionalist scholarship and on the challenges of *annaliste* and theoretically informed approaches.

Note: May not ordinarily be credited as one of the research seminars required in the first-year program. It is prerequisite to History 2122 or 2124. Sometimes alternates with Medieval Studies 101.

Prerequisite: Prior consent of instructor; plus a reading knowledge of French and/or German.

Prerequisite to History 2122 or 2124.



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.

Note: Latin, with either German or French, is required.

Prerequisite: Latin, with either German or French, is required.

History 2123. The Twelfth Century: A Turning Point in European History?

Catalog Number: 9290

John H. Van Engen (University of Notre Dame)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Will explore several major historical interpretations, and examine the period itself by way of selected primary sources. Readings primarily in English, with supplementary readings in the Latin sources.

[*History 2124. Medieval History: Seminar]

Catalog Number: 7820

Thomas N. Bisson

Half course (spring term). Hours to be arranged.

Research studies in the sources and problems of power, faith, and culture in the medieval west.

Topics for 2002-03 include: polemics of investiture and Christian reform; canonist jurisprudence.

Note: Expected to be given in 2003–04. Admission by advanced permission only.

Prerequisite: Latin and French or German; History 2101; prior consent of instructor.

History 2126. Medieval Law

Catalog Number: 3140

Charles Donahue, Jr. (Law School)

Half course (spring term). Th., 4:10–6:10. EXAM GROUP: 18

A reading course focused alternately on the English legal tradition (normally jointly with Medieval Studies 117) and on the Roman-canonical tradition (normally jointly with Medieval Studies 119). Several short papers analyzing texts will be required but not a research paper.

Topics for 2002-03: the continental legal tradition.

Note: Some Latin required.

[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 2003–04.

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). Th., 2–4. EXAM GROUP: 16, 17

An analytical period survey addressing the defining experiences in collective German history and memory and what they may promise or portend for Germans today.

[History 1309. History in Early Modern Europe]

Catalog Number: 6583

Ann M. Blair

Half course (spring term). Hours to be arranged.

This course will examine the cultural significance of history as a discipline and as practice in Europe from the Renaissance to the Enlightenment. We will consider the nature and purposes of different kinds of historical writing and the ways in which histories were composed, read and used. Emphasis on reading from Machiavelli, Guicciardini, Francis Bacon, Voltaire and Gibbon.

Note: Expected to be given in 2003–04.

History 1318. History of the Book and of Reading

Catalog Number: 7410

Ann M. Blair

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to the cultural history of the book and its functions as both material object and text. Major themes include the techniques of book production, authorship, popular and learned readership, libraries and censorship, with a focus on printing and developments in early modern Europe (notably in France, 16th-18th centuries).

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 will include court culture, religion, and the Constitution. Readings will focus on the rich primary literature of the age. Original research required.

Prerequisite: Permission of the instructor required.

History 1340. Holland in the Age of Rembrandt

Catalog Number: 9413

Martine J. Van Ittersum

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An introduction to seventeenth century Dutch history, focusing on political history and social stratification, religious strife and toleration, intellectual life, and Dutch art and culture.



History 1359. Medieval and Early Modern Russia

Catalog Number: 0760

Brian James Boeck

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

This course is designed to familiarize students with the history of Rus', Muscovy and Russia before the time of Peter the Great. Significant attention will be devoted to the sources for the study of pre-Petrine Rus' and examination of how the pre-modern past of Eurasia has been reconstructed and imagined.

History 1418. Political Justice Since 1789: Conference Course

Catalog Number: 3904

Charles S. Maier

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

[History 1431. 19th-Century Britain]

Catalog Number: 3665

T. Robert Travers

Half course (fall term). Hours to be arranged.

An introduction to British history from the accession of George III to Gladstone's first administration, with particular attention to political and social change. Topics will include war and the growth of national identity, industrial development, changing attitudes to gender and social class, and Britain's relationship with its colonies. Readings will include primary texts by Burke, Paine, Wollstonecraft, John Stuart Mill and Carlyle, as well as a variety of works by modern historians.

Note: Expected to be given in 2003–04.

History 1432. 20th-Century Britain

Catalog Number: 0288

Jonathan M. Lawrence (University of Liverpool)

Half course (spring term). Tu., Th., at 10 and a weekly section to be arranged. EXAM GROUP: 12

British history from the introduction of (partial) male democracy in 1867 to the Thatcher and Blair administrations of the late twentieth century.

History 1433. War and Society in the British Isles, 1914-1930: Conference Course

Catalog Number: 3139

Jonathan M. Lawrence (University of Liverpool)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores the social and cultural impact of the Great War on Britain and Ireland, examining a wide range of issues from the initial response to war in the two countries, through to the politics of remembrance in the 1920s. Examines both life on the home front and life in the trenches, paying particular attention to the war's impact on cleavages of class and gender both during and after the war.



History 1437. Class and Poverty in Late Victorian and Edwardian Britain: Conference Course

Catalog Number: 8685

Jonathan M. Lawrence (University of Liverpool)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course will focus on class and poverty in Britain in the late 19th and early 20th century. Explores shifting discourses of class and social pathology during Britain's emergence as a conservative form of social democracy, and examines a range of primary sources from poverty studies to novels and autobiographies of working-class life in order to scrutinize the British obsession with class and social difference.

[History 1439. India and the British Empire in the 18th Century: Conference Course]

Catalog Number: 3259

T. Robert Travers

Half course (spring term). Hours to be arranged.

Examines the impact of new conquests in India on British ideas of empire in the late 18th century. Will study the famous 'trial of Warren Hastings', in which the former Governor of Bengal was impeached before parliament on charges of corruption, and will explore how Britons struggled to resolve the contradiction between despotism abroad and liberty at home. Emphasis on primary research.

Note: Expected to be given in 2003–04.

[History 1451. The History of France from Louis XIV to Charles deGaulle]

Catalog Number: 6683

Patrice Higonnet

Half course (spring term). Hours to be arranged.

The history of France from the French Revolution to our own day.

Note: Expected to be given in 2003–04.

History 1453. Perverse Idols: Sexuality and Politics in fin-de-siecle Europe: Conference Course

Catalog Number: 6467

Judith Surkis

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

History 1458. "French Modern", 1848-Present

Catalog Number: 5919

Judith Surkis

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

Examines impact of and significant responses to modernity in France from the mid-19th century onward. Themes include: republicanism and revolt; social reform and bourgeois order; population anxiety and anti-Semitism.



[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 2003–04.

[History 1463. Paris From the French Revolution Through the 19th Century: Conference Course]

Catalog Number: 6355 Enrollment: Limited to 15.

Patrice Higonnet and Henri Zerner

Half course (spring term). 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 2003–04.

[History 1466. Vichy France: Conference Course](#)

Catalog Number: 8154

Patrice Higonnet

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This course will cover the background of the Vichy years and the legacy of 1789; military affairs; Vichy’s social policy; Vichy, the Germans and the Jews; Vichy and Free France; and the legacy of the Vichy years.

[History 1470a. European Intellectual History, Part I]

Catalog Number: 2572

Peter Eli Gordon

Half course (fall term). Hours to be arranged.

The first half of a two-semester survey providing a comprehensive introduction to the major themes and thinkers of the European tradition, with special attention to the themes of emancipation and subjectivity from Descartes forward. Focus on developments in the Western European Enlightenment, the main currents of German Idealism and Romanticism, early Marxism and Kierkegaard’s challenge to idealism.

Note: Expected to be given in 2003–04.

[History 1470b. European Intellectual History, Part II]

Catalog Number: 7131

Peter Eli Gordon

Half course (spring term). Hours to be arranged.

The second half of a two-semester survey providing a comprehensive introduction to major landmarks in Continental philosophy and social theory in the modern period, beginning with



Nietzsche. Focus on the various challenges to traditional enlightenment notions of freedom and subjectivity in psychoanalysis, Critical Theory, existentialism, and French structuralism.

Note: Expected to be given in 2003–04.

[History 1471. The Phenomenological Tradition: Husserl and Heidegger]

Catalog Number: 5691

Peter Eli Gordon

Half course (fall term). Hours to be arranged.

An intensive lecture course for advanced undergraduates and graduates, introducing some of the key texts and themes of 20th century phenomenology. The major portion of the course will consist of a sustained and critical reading of Heidegger's monumental 1927 text, *Being and Time*, with special attention to the themes of ontology, hermeneutics, and historicity. At least one prior course in rationalism, political philosophy, or modern intellectual history should be considered a prerequisite.

Note: Expected to be given in 2003–04.

[*History 1476. Enlightenment and Dialectic: Conference Course]

Catalog Number: 6048 Enrollment: Limited to 20.

Peter Eli Gordon

Half course (spring term). Hours to be arranged.

Introduces students to the writings of the so-called 'Frankfurt School'—i.e., the Institute for Social Research, founded in Frankfurt in 1923. Will address the 'late' work by Adorno and Horkheimer, *Dialectic of Enlightenment*, and will guide students through this work so as to reflect on the broader questions raised by the enlightenment and its legacy.

Note: Expected to be given in 2003–04.

Prerequisite: European History, German Literature, of History or Philosophy course.

[History 1480. World War I, Empires and Revolution: Conference Course]

Catalog Number: 1741

Eric Lohr

Half course (fall term). Hours to be arranged.

In 1917-1918, all four of the major continental empires along the Eastern Front (the Russian, Austro-Hungarian, Ottoman and German empires) collapsed in national and social revolutions. The course explores aspects of what Winston Churchill called "The Unknown War" on the Eastern Front. Main themes include the War's impact on the nationality and the revolutionary collapse of the empires under study.

Note: Expected to be given in 2003–04.

History 1481. French Citizenship Since 1789: Conference Course

Catalog Number: 5855

Mary D. Lewis

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

History 1482. Work and Welfare in Western Europe Since the Industrial Revolution

Catalog Number: 4137

Mary D. Lewis

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines how average persons in Western Europe made a living from the Industrial Revolution to the “Post-Industrial Age.” Will examine the development of the factory system and “industrial” time; the changing ideas about the “non-working”; the transformation of aid from charity to welfare; the “gendering” and “racing” of both work and welfare; and the evolution of state involvement in both the workplace and in welfare.

[History 1485. Weimar Intellectuals and the Challenge of Modernity: Conference Course]

Catalog Number: 7638 Enrollment: Limited to 20.

Peter Eli Gordon

Half course (fall term). Hours to be arranged.

Explores major intellectual currents of the Weimar Republic (1919-1933) to assess how German intellectuals negotiated the stresses of modernity. Thematic units: urbanism and anxiety; technophilia and technophobia; Marxism and utopia; and the crisis of the political.

Note: Expected to be given in 2003–04.

Prerequisite: One European History or German Literature Course.

[History 1502. Imperial Russia]

Catalog Number: 2440

Eric Lohr

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

History 1512. 20th-Century Ukraine

Catalog Number: 6723

Roman Szporluk

Half course (fall term). Tu., Th., 1–2:00. EXAM GROUP: 15, 16

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 1515. States and Nations: 1905-1991: Conference Course]

Catalog Number: 7550 Enrollment: Limited to 15.

Roman Szporluk



Half course (spring term). Hours to be arranged.

An introduction to theoretical literature concerning nationalism and communism, as well as to historical treatments of the states of Eastern Europe and Eurasia, with special attention to Russia, Ukraine and Belarus, as well as to the experience of Yugoslavia and Poland.

Note: Expected to be given in 2003–04.

[History 1516. Nation Formation in East Europe, 1795-1921: Poland, Russia, Ukraine]

Catalog Number: 5843

Roman Szporluk

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

History 1517. The Making of the Russian Empire

Catalog Number: 2530

Serge Plokhi (University of Alberta)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Examines the causes, strategies and processes of the making of the Russian Empire, with a focus on the formation of imperial ideology, territorial acquisitions, and the influence of the empire on Russian government, culture and identity, as well as on the culture and identity of the non-Russian subjects of the tsars.

History 1518. The Reformation, Counter-Reformation and Orthodox Reform in Eastern Europe: CC

Catalog Number: 1954

Serge Plokhi (University of Alberta)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Explores the history of religious reform in the traditional Orthodox lands of Eastern Europe in the sixteenth and seventeenth centuries, focusing on the impact of the confessionalization of Western Christianity on the Orthodox churches of the region.

History 1522. East-Central Europe in the 20th Century

Catalog Number: 0701

Patrice Marie Dabrowski

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

An introduction to the history of the lands between Germany and Russia/USSR (with particular reference to the experiences of Poles, Czechs, Hungarians, Slovaks, and Jews) during a century of tremendous change. Will explore life in the final years of the Habsburg, Hohenzollern, and Romanov empires; the problematic “nation-states” of the interwar period; the watershed of World War II; the post-war communist experience; the revolutions of 1989; and post-communism. Sources include literary works and film.



[History 1523. Forging the Future, Imagining the Past: Festivals and Commemorations in Modern Europe]

Catalog Number: 3462

Patrice Marie Dabrowski

Half course (spring term). Hours to be arranged.

Examines the phenomenon of publicly celebrated festivals and commemorations and their impact on national development in modern Europe-East as well as West-since the French Revolution. Topics include memory and forgetting; the “invention of tradition”; the popularization of cult figures and collective heroes; the erection and destruction of monuments; and the reconfiguring of time and space.

Note: Expected to be given in 2003–04.

History 1531. History of the Soviet Union, 1917–1991

Catalog Number: 4501

Terry D. Martin

Half course (spring term). Tu., Th., at 10; Th., at 11; Th., at 2; F., at 11. EXAM GROUP: 12

Examines the history of the Soviet Union from the Russian Revolution to Gorbachev’s failed reforms. Focus on the period 1928-53 when industrialization, nationalization and political terror created a distinct Soviet society and culture. Readings include novels, short stories, memoirs, Soviet propaganda, high policy deliberations, letters, journalism, songs, jokes, etc.

[History 1537. Stalinism and Nazism: Conference Course]

Catalog Number: 0631

Terry D. Martin

Half course (fall term). Hours to be arranged.

Compares and contrasts the two great modern European dictatorships. Topics include the role of the leader, propaganda and public opinion, the totalitarian Party, state surveillance, state terror, the role of ordinary citizens in abetting or resisting state oppression, total war, nationality and colonialism, everyday life, petitioning and survival strategies, consumption and rationing.

Note: Expected to be given in 2003–04.

[History 1538. Social Identities in Communist and Post-Communist Europe: Conference Course]

Catalog Number: 1173

Yoshiko M. Herrera

Half course (spring term). Hours to be arranged.

An introduction to theories of identity in history and political science through an analysis of how social identities emerged and evolved under the conditions of Communist and post-Communist rule, with attention devoted to the Soviet Union, Eastern Europe and post-Soviet states.

Note: Expected to be given in 2003–04.

[History 1542. Intellectual and Cultural Controversies: The Russian Intelligentsia: Conference Course]

Catalog Number: 2123

Julie A. Buckler and Eric Lohr

Half course (spring term). Hours to be arranged.



The intelligentsia, its emergence, ethos and place in Russian society. Examines selected major intellectual controversies and debates from the late 18th century to the early 20th century through the lens of cultural discourse in fictional literature, memoir, philosophy, and historiography.

Note: Expected to be given in 2003–04.

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., 4–6. 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 2320. Cultural History of Early Modern France

Catalog Number: 9380

Ann M. Blair

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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.

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 2335. Modern British History: Proseminar

Catalog Number: 1769

Jonathan M. Lawrence (University of Liverpool)

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Intended for graduate students preparing a general examination field in modern British history.

[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 2003–04.

[*History 2344. Theories of Modern European Imperialism: Proseminar]

Catalog Number: 9030



Thomas Robert Travers

Half course (fall term). Hours to be arranged.

An intensive introduction to major historical theories of the growth of European empires, with a primary focus on the British empire.

Note: Expected to be given in 2003–04. Primarily for graduate students, but open to advanced undergraduates by permission of the instructor.

[History 2472. Republics and Republicanism]

Catalog Number: 6622

James Hankins and Harvey C. Mansfield

Half course (spring term). Hours to be arranged.

Ancient and modern republics studied with a view to republican virtue, civic humanism, constitutions, and democracy. Readings include Aristotle, Machiavelli, Montesquieu, Rousseau, Tocqueville.

Note: Expected to be given in 2003–04. Open to all qualified undergraduates.

[History 2473. Cultural and Intellectual History of Renaissance Italy: Proseminar]

Catalog Number: 0140

James Hankins

Half course (spring term). Hours to be arranged.

Topics include civic humanism and republicanism; Renaissance historiography and its modern context; the revival of ancient philosophical systems and the challenge to Aristotelianism and scholasticism; humanist educational theory and practice. Readings in contemporary sources.

Note: Expected to be given in 2003–04. May not ordinarily be credited as one of the research seminars required in the first-year program.

Prerequisite: A reading knowledge of Latin, French, Italian, and German.

[History 2475. Problems and Sources in Modern German History: Seminar]

Catalog Number: 8355 Enrollment: Limited to 12.

David Blackbourn

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. Reading knowledge of German not required.

[*History 2511. Socialism and Nationalism: Seminar]

Catalog Number: 6556

Roman Szporluk

Half course (spring term). Hours to be arranged.

Nationalism and socialism and their interaction with special reference to Poland, Russia, and Ukraine in the 19th and 20th centuries.

Note: Expected to be given in 2003–04.

History 2531. The Soviet Union: Seminar

Catalog Number: 7969



Terry D. Martin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Introduction to archival and primary sources, as well as major historiographical debates. Primary focus on major research paper.

[History 2533. Identity in History and Politics: Seminar]

Catalog Number: 9108

Terry D. Martin and Yoshiko M. Herrera

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 in history and political science. Focus will be on defining identity more precisely and, in particular, exploring and evaluating new techniques for measuring identity.

Note: Expected to be given in 2003–04.

[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 2003–04.

Cross-listed Courses

[Celtic 177. Language, Historical Consciousness, and Nation-formation: Holland and Flanders between 1760 and 1830](#)

[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 1602. The Frontier in Early America]

Catalog Number: 8547

Joyce E. Chaplin

Half course (fall term). Hours to be arranged.

Examines the significance of the frontier in early American history, 1500–1800. Focus on the



topics of war, trade, and cultural exchange among the native, British, French, Spanish, and African inhabitants of North America. Major themes include captivity, identity, and religious-cultural conversion.

Note: Expected to be given in 2003–04.

[History 1603. The Cultural History of the First British Empire]

Catalog Number: 3920

Joyce E. Chaplin

Half course (spring term). Hours to be arranged.

Primary focus on the emergence of the first British empire in the 18th century, with some background on English colonization of America in the 17th century. Topics include: creation of Great Britain; expansion of British overseas interests in America, Africa, and Asia; development of creole cultures; British imperial policy and frontier crises; transatlantic cultural connections.

Note: Expected to be given in 2003–04.

History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Conference Course

Catalog Number: 2479

Laurel Thatcher Ulrich and Ivan Gaskell

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Using case studies drawn from Harvard collections, students will explore a range of methods used in interpreting art and artifacts from colonial North America (including Spanish America) and the early United States. Emphasis on the interplay between particular objects and larger historical themes, such as colonialism, patriotism, or the beginnings of mechanization. Students will be introduced to a range of scholarly tools, including laboratory analysis of materials, quantitative studies of household inventories, and iconography.

History 1620. History of the Old South

Catalog Number: 4210

Susan E. O'Donovan

Half course (fall term). M., W., at 10. EXAM GROUP: 3

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). This course will address both while surveying the history of the Southern states from African and European settlement to the Civil War.

[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 2003–04.



History 1623. Civil War and Reconstruction Era, 1860-1877

Catalog Number: 7106

Chandra Miller Manning

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Will explore how and why the Civil War began, as well as how and why it took the form that it did. Will pay particular attention to the experiences of the Americans who lived through these vast changes, and will consider what black and white Northerners and Southerners hoped that the war would achieve.

History 1625. The Coming of the Civil War, 1820-1861

Catalog Number: 5049

Chandra Miller Manning

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Examines how the political, social, and intellectual institutions of the United States contained growing sectional tensions between North and South amid vast demographic, economic, and geographic growth, only to be severed by a climactic sectional crisis in the winter of 1860-61. Topics include: Nullification Crisis, white and black lives in the Old South, the abolitionist movement, the Mexican Cession, Bleeding Kansas, and Secession.

History 1626. Reform Movements in America from the Jacksonian Era through the Progressives: Conference Course

Catalog Number: 0672

Chandra Miller Manning

Half course (spring term). W., 12-2. EXAM GROUP: 5, 6

Examines the reform impulse at work in American society from the “fires of perfection” ignited by the Second Great Awakening of the nearly nineteenth century through the muck-raking articles and settlement house playgrounds of the early twentieth century. Students will evaluate why, when, and among whom reform movements began, and will compare the means and ends of various movements.

[History 1632. Gilded Age America: Economy, Society and Politics: Conference Course]

Catalog Number: 4733 Enrollment: Limited to 12.

Sven Beckert

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003-04.

***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 1929 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 1640. The United States since World War II]

Catalog Number: 6155

Lizabeth Cohen

Half course (spring term). Hours to be arranged.

An examination of American politics, society and culture from 1945 to the present. Topics include the Cold War, suburbanization and mass consumption, anticommunist crusades, the evolution of American liberalism, the civil rights movement, the war in Vietnam and the antiwar movement, second-wave feminism, and competing visions of the welfare state.

Note: Expected to be given in 2003–04.

[History 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. Two lectures and a section meeting each week.

Note: Expected to be given in 2003–04.

***History 1645 (formerly History 1607). History of American Immigration: Conference Course**

Catalog Number: 7280 Enrollment: Limited to 15.

Stephan Thernstrom

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Analysis of the immigration waves that have shaped the American population from colonial times to the present. The causes of international migration; shifting American attitudes toward immigrants; U.S. immigration policy; the economic and social adjustment of newcomers; the Melting Pot vs. cultural pluralism.

[History 1647. The United States and East Asia: Conference Course]

Catalog Number: 0455

Akira Iriye



Half course (spring term). Hours to be arranged.

Topics in the history of United States relations with the countries of East Asia, with an emphasis on problems of cultural communication, economic independence, and geopolitical rivalries.

Note: Expected to be given in 2003–04.

History 1648. Communication in the Early Nation: Conference Course

Catalog Number: 7491 Enrollment: Limited to 15.

Catherine A. Corman

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An examination of how print influenced the ways Americans, including women, Indians, and African Americans, communicated and how that communication shaped the nation between 1776 and 1840.

History 1649. The American West: 1780-1930

Catalog Number: 6636

Catherine A. Corman

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

History of the American West covering the rise and demise of Turner's frontier thesis; literary and visual conceptualizations of the mythic West; the Northwest Ordinance and the creation of "Indian Country"; land policies in the new nation; and the role of Indians in the development of an American market economy.

[History 1651. History of American Capitalism]

Catalog Number: 0227

Sven Beckert

Half course (fall term). Hours to be arranged.

Examines the development of the American economy from its beginnings to the New Deal.

Focus on the nature of economic change during the past 400 years and the reasons for and effects of capitalist growth. Topics include Native-American economies, the industrial revolution, slavery, the rise of new business structures, labor relations, and technological change.

Note: Expected to be given in 2003–04.

[History 1653. Baseball and American Society, 1840–Present]

Catalog Number: 5860

William E. Gienapp

Half course (spring term). Hours to be arranged.

Examines the history of baseball within the context of cultural and social history, with focus on the ways in which baseball has reflected social, economic, and cultural changes in American history from the mid-19th century to the present. More attention will be given to the period before 1950 than the recent era.

Note: Expected to be given in 2003–04.

[*History 1655. Abraham Lincoln: Conference Course]

Catalog Number: 5041 Enrollment: Limited to 15.

William E. Gienapp

Half course (fall term). Hours to be arranged.



An examination of Abraham Lincoln's life and his significance in American history. More attention will be given to his presidency than to his career before 1860.

Note: Expected to be given in 2003–04.

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

Catalog Number: 0926

Sven Beckert

Half course (fall term). Hours to be arranged.

An introduction to the history of the bourgeoisie in the US, England, Germany and France in comparative perspective. Delineating the role of merchants, industrialists, bankers and professionals at home, at work and in politics, the course will review large questions about the place of the bourgeoisie in 19th-century societies and its relationship to liberalism and political democracy, but also look at bourgeois gender roles, culture and religion.

Note: Expected to be given in 2003–04.

History 1659. U.S. Cultural History, Turn of the Century to Present

Catalog Number: 8905

Ruth Feldstein

Half course (fall term). Tu., Th., at 1, plus hour to be arranged for sections. EXAM GROUP: 15

This lecture course will 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 1660. Using Primary Sources in African-American History: Conference Course]

Catalog Number: 8151

Evelyn Brooks Higginbotham

Half course (fall term). Hours to be arranged.

This course offers a firsthand account of the lives of slaves and freedpeople, women and laborers, migrants and freedom fighters in black America. Students will explore a variety of topics in 19th- and 20th-century African-American history by focusing on primary sources, such as diaries, newspapers, correspondence, census data, court records, and organizational archives. The course will emphasize how historians go about their craft of documenting and interpreting the past.

Note: Expected to be given in 2003–04.

[History 1661. Social Thought in Modern America]

Catalog Number: 8440 Enrollment: Limited to 70.

James T. Kloppenberg

Half course (fall term). Hours to be arranged.

An inquiry into American ideas since 1890, examining developments in political and social theory, philosophy, and literature in the context of socioeconomic change. Topics include the breakdown of Victorian idealism and laissez-faire; the emergence of social science and progressivism; conflicts over gender, race, and ethnicity; interwar cultural ferment and political reform; post-World War II theories of consensus and 1960s radicalism; and the consequences for democracy of our contemporary culture of irony.

Note: Expected to be given in 2003–04.



***History 1662. Men, Manhood, and Masculinity**

Catalog Number: 9763 Enrollment: Limited to 15.

Nancy F. Cott

Half course (fall term). Tu., 2–4.

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.

[*History 1663. The 1950s: American Cultural Politics in the Cold War: Conference Course]

Catalog Number: 2658 Enrollment: Limited to 15.

Ruth Feldstein

Half course (spring term). Hours to be arranged.

This seminar explores seemingly unrelated aspects and various interpretations of the US in the 1950s. Particular attention will be paid to the links between culture, foreign policy, and social relations.

Note: Expected to be given in 2003–04.

[History 1665. Crime and Criminal Justice in the U.S., 1776-1999]

Catalog Number: 8537

Rebecca Mary McLennan

Half course (fall term). Hours to be arranged.

This course explores the social and political history of crime, criminal law, policing and punishment in the US since the Revolution.

Note: Expected to be given in 2003–04.

[*History 1667. Imagining America, 1776-Present]

Catalog Number: 4160

Akira Iriye and Rebecca Mary 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 2003–04.

History 1668. Southwestern America: Indians, Hispanos, and Anglos

Catalog Number: 6456

David Joseph Weber (Southern Methodist University)

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An explanation of the historical transformation of four border states: California, Arizona, New Mexico, and Texas, from the time of a frontier zone up to the present day.



History 1669. Historical Approaches to the Hispanic Southwest: Conference Course

Catalog Number: 5734

David Joseph Weber (Southern Methodist University)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to the ways that historians and other scholars have understood the Southwest's Hispanic past, focusing on the border states of California, Arizona, New Mexico, and Texas.

[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 2003–04.

[History 1672. The United States in the 1960s]

Catalog Number: 5900

Lisa M. McGirr

Half course (spring term). Hours to be arranged.

An introduction to the main developments in American society, culture, and politics during the premiere liberal decade of the 20th century. Topics will include the New Frontier, the Great Society, the Vietnam war, the Civil Rights movement, the student movement, the counter-culture, and the rise of populist conservatism.

Note: Expected to be given in 2003–04.

[History 1676. Social Movements in the United States from Populism to the New Right]

Catalog Number: 4073

Lisa M. McGirr

Half course (spring term). Hours to be arranged.

Examines social movements in America from the late 19th century until today in an historical perspective. Topics include populism, temperance, suffrage and the labor movement, as well as civil rights activism and the student movement. Attention will also be given to right-wing movements in the 20th century such as the Ku Klux Klan and the New Right. Course will address the origins of these various social movements, their strategies and tactics, and successes and failures.

Note: Expected to be given in 2003–04.

History 1678. Postwar America, 1945-1968

Catalog Number: 9784

Bruce J. Schulman (Boston University)

Half course (spring term). M., W., at 2. EXAM GROUP: 7

An exploration of the political, cultural, and social history of the US in the quarter century after World War II. Topics include McCarthyism, Cold War culture, dissent and consensus in the



1950s, the evolution of modern liberalism and conservatism, civil rights, Vietnam, the New Left, and the counterculture.

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 160. Blacks in the Twentieth Century**](#)

[**Afro-American Studies 163. Race, Society, and Politics: The South since the 1890s**](#)

[**\[Afro-American Studies 191. The Civil Rights Movement: Seminar\]**](#)

[***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 (formerly History 2605). Readings in Colonial and Revolutionary America: Proseminar]

Catalog Number: 9176

Joyce E. Chaplin

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

[**History 2601. The US in the 20th Century: Seminar**](#)

Catalog Number: 1270 Enrollment: Limited to 10.

Lizabeth Cohen

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Research on topics in 20th-century US history.

[**History 2602. Readings in the United States in the 19th Century: Proseminar**](#)

Catalog Number: 2383

Catherine A. Corman

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

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). W., 2–4. EXAM GROUP: 7, 8

Research culminating in the production of a scholarly essay. Some prior knowledge of the period assumed.

History 2607 (formerly History 2603). Readings in the United States in the 20th Century: Proseminar

Catalog Number: 2931

Nancy Cott

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

The third proseminar required of all graduate students in American history. Readings in classics and recent monographs, with attention to politics, social life, and culture.

[History 2610. Race in Early America: Status, Identity and Power: Seminar]

Catalog Number: 9276

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 2003–04.

[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 2003–04.

[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 U.S. history.

Note: Expected to be given in 2003–04.

History 2621hf. Film in History/Film as History

Catalog Number: 6318

Ruth Feldstein and Laurel Thatcher Ulrich

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

A year-long graduate reading course taught in conjunction with the Charles Warren Center workshop on the same topic.

[History 2630. Intellectual History: Seminar]

Catalog Number: 2382



James T. Kloppenberg
Half course (fall term). Hours to be arranged.
Topic to be announced.
Note: Expected to be given in 2004–05.

History 2661. Graduate Readings in 20th-Century African-American History

Catalog Number: 9004
Evelyn Brooks Higginbotham
Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17
Covers key literature on themes and developments shaping the national experience of African Americans from Redemption to the emerging Multi-Racial Republic.

[*History 2662. Readings in American Thought]

Catalog Number: 8845 Enrollment: Limited to 20.
James T. Kloppenberg
Half course (fall term). Hours to be arranged.
An examination of classic and contemporary histories of American thought.
Note: Expected to be given in 2003–04.

[History 2663. Graduate Readings in US Women's History]

Catalog Number: 6905
Evelyn Brooks Higginbotham
Half course (spring term). Hours to be arranged.
Readings in US women's history from the Colonial period to the early 20th century.
Note: Expected to be given in 2003–04.

***History 2671. American Social History: Seminar**

Catalog Number: 0969
Stephan Thernstrom
Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17
Topic to be announced.

History of Latin America

For Undergraduates and Graduates

[History 1740. The Andes: Pre-Conquest to Present: Conference Course]

Catalog Number: 8922 Enrollment: Limited to 15.
Jane E. Mangan
Half course (spring term). Hours to be arranged.
A history of the Andes, a region characterized by the dominance of native cultures from pre-Columbian times to the present. Particular attention to the social and political expressions of resistance to ruling hierarchies. Topics include Inca Empire, impact of Spanish rule on Andean society, religious resistance, native rebellions, transition to nationhood, and recent political history. Focus on Bolivia, Ecuador, and Peru.
Note: Expected to be given in 2003–04.



[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 2003–04.

[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). Hours to be arranged.

This course studies the role of religious belief and practice in the history of the Andes, Brazil, Mexico, and the Caribbean with a focus on the nexus between religion and social change.

Note: Expected to be given in 2003–04.

History 1743. Ethnocide, Ethnogenesis and Ethnohistory: Colonial South American Perspectives: Conference Course

Catalog Number: 9751

John M. Monteiro (State University of Campinas, Brazil)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Reviews the current debate on the destruction and reconstruction of indigenous populations and identities in colonial South America, with special emphasis on “peripheral” areas.

History 1744. Modern Argentina: Representations, Culture and the State: Conference Course

Catalog Number: 9809

Ricardo D. Salvatore (Universided de Puerto Rico, Argentina)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A discussion of crucial cultural processes in the formation of modern Argentina, from c. 1830 to 1983. Key concepts such as civilization, caudillismo, romantic movement, urban modernity, assimilation, etc. are considered, as they were used in the Argentine context.

History 1756. The Cold War in Latin America: Conference Course

Catalog Number: 9875

John H. Coatsworth

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[History 1757 (Formerly 1760a.). History of Latin America to 1825]

Catalog Number: 5991



Jane E. Mangan

Half course (fall term). Hours to be arranged.

Survey of Latin America from Spain's conquest to independence. Focus on Mexico and the Andes, with comparison to the Caribbean, Brazil, and Argentina.

Note: Expected to be given in 2003–04.

[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 One. Will analyze the causes and effect of independence, the fragmentation of the Spanish colonies into independent states, the economic decline after independence, the slave revolts and peasant rebellions of the early 19th century, and the formation and fracturing of national governments.

Note: Expected to be given in 2003–04.

History 1759 (formerly History 1760b). The History of Latin America, 1914-2002

Catalog Number: 7328

John Womack, Jr.

Half course (spring term). M., W., (F.), at 12; Th., at 4; Th., at 5. EXAM GROUP: 5

A survey of Latin American societies and politics, from World War I to the present, with emphasis on the conjunction of global and internal changes to explain economic developments and struggles for power, justice, progress, and security.

Primarily for Graduates

***History 2781 (formerly *History 1781). Modern Mexican History: Seminar**

Catalog Number: 5731

John Womack, Jr.

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Topics for 2002-2003: Industrial development; industrial labor markets and industrial work; and divisions of labor; their consequences in modern Mexican society and politics.

***History 2782. The Economic History of Latin America: Seminar**

Catalog Number: 4261 Enrollment: Limited to 15. Undergraduates may enroll with the permission of the instructor.

John H. Coatsworth

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the evolution of the Latin American economies from the colonial era to the 20th century.

Note: Undergraduates may enroll with the permission of the instructor.

Prerequisite: Rudimentary economics, some Latin American history, and Spanish or Portuguese helpful but not required.



[History 2784. Issues in Colonial Latin American History: Proseminar]

Catalog Number: 5494

Jane E. Mangan

Half course (fall term). Hours to be arranged.

In-depth study of colonial Latin American history from conquest through independence.

Emphasis on historiographical debates.

Note: Expected to be given in 2003–04. Primarily for graduate students, though advanced undergraduates admitted with special permission of the instructor.

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 2003–04.

[History 1821. Modern Vietnam]

Catalog Number: 8192

Hue-Tam Ho Tai

Half course (fall term). Hours to be arranged.

Survey of Vietnamese history from 1802 to the present. Covers the period of unified rule under the Nguyen dynasty, French colonial conquest, the struggle for independence, the Vietnam War, and the recent unification under Communism. Major topics include the relationship between the state, the village, and the individual; the transformation of Vietnamese society, culture, and politics under French rule; the rise of nationalism and Communism; the causes and consequences of the Vietnam War.

Note: Expected to be given in 2003–04.

History 1822. The Chinese Revolution

Catalog Number: 9878

Marie-Claire Feugeas-Bergere (National Institute for Oriental Languages and Civilizations, France)

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Examines main events and introduces key historical actors in the long term process of the revolution, starting at the end of the nineteenth century and encompassing the whole twentieth century, and explains problems of interpretation. Chronological narrative will be combined with thematic analysis as called for by specific revolutionary circumstances.



History 1823. Shanghai History, Shanghai “Model” and Chinese Modernization: Conference Course

Catalog Number: 9556

Marie-Claire Feugeas-Bergere (National Institute for Oriental Languages and Civilizations, France)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An analysis of the historical circumstances which allowed the Shanghai “model” of Chinese modernity to emerge, to describe its characteristic features, and to study its relevance (or lack of) to Chinese modernization throughout the twentieth century.

[History 1824 (formerly History 1824a). The Origins of Modern China: Conference Course]

Catalog Number: 0171

Philip Kuhn

Half course (spring term). Hours to be arranged.

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. In this course we shall 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. This course does not presuppose prior study of Chinese history.

Note: Expected to be given in 2003–04.

[History 1831. China’s Partners: Conference Course]

Catalog Number: 6043 Enrollment: Limited to 15.

William C. Kirby

Half course (spring term). Hours to be arranged.

Analysis of Sino-foreign cooperative efforts from late Imperial times until the present, with emphasis on economic and cultural relations. Studies distinguishing characteristics of bilateral exchanges between China and Western European nations, the Soviet Union, Japan, and the United States; examines China’s evolving role in international organizations; and explores the official and private spheres of Chinese involvement in international economic, cultural, and scholarly life.

Note: Expected to be given in 2003–04. For advanced undergraduates and graduates.

[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 2003–04.



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

This course will focus on gender and sexuality to explore important aspects of Japanese social history. The time span covered is broad but there will be more emphasis on the modern era. Specific topics will include women and feudalism; male-male sexuality; the rise of Japanese feminist consciousness; prostitution; women in the industrial labor force; women and World War II; and changing ideas about gender and sexuality in the post-war period.

Prerequisite: At least one course on either Japanese History or Gender History.

History 1864. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa

Catalog Number: 3797

Afsaneh Najmabadi

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

This course will focus on how concepts of woman/gender have defined meanings of the religious and national communities in the Islamic Middle East and North Africa, surveying changes in these concepts historically.

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). W., 1–3. EXAM GROUP: 6, 7

Examines the place of the Middle East during the first wave of modern globalization. Will explore 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. Will analyze 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 the First World War.

History 1877a. History of the Near East, 600–1055

Catalog Number: 1770

Roy Mottahedeh

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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.

[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 2003–04. History 1877a helpful, but not required.

History 1878a. Ottoman State and Society I (1300–1550)

Catalog Number: 5471

Cemal Kafadar

Half course (fall term). Tu., Th., at 12 and an additional hour to be arranged. EXAM GROUP: 14

Surveys the emergence of the Ottoman state from a frontier principality into a world empire in its sociopolitical and cultural contexts. Topics include pre-Ottoman Anatolia; frontier society; methods of conquest; centralization of power; classical institutions of the land regime and of the central administration; urbanization; religion and literature. Relations with Byzantium, other Islamic states, and Europe are examined.

[History 1878b. Ottoman State and Society II (1550–1920)]

Catalog Number: 6470

Cemal Kafadar

Half course (fall term). Hours to be arranged.

Surveys the transformations of the classical Ottoman order in the Middle East and southeastern Europe until the demise of the state. Topics include decentralization; social disturbances; the impact of the new world economy and new trade routes; reforms; changing relations with Europe; nationalist movements; the ‘Eastern Question.’ Ethnic structure, rural society, urban popular culture, guilds, and family life are also examined. The importance of this era for understanding today’s Middle East is stressed.

Note: Expected to be given in 2003–04.

[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 2003–04.

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). Th., 2–4. EXAM GROUP: 16, 17

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.

Prerequisite: A course in the history of the Islamic Middle East, premodern or modern.

History 1890b. The Economics of the Middle East

Catalog Number: 1249

E. Roger Owen

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A critical overview of the processes of economic growth and transformation in the Middle East from World War I to the present. Countries to be studied include Egypt, Syria, Lebanon, Jordan, Iraq, the Arab states of the Arabian Peninsula, Israel/Palestine, Iran and Turkey.

History 1895. The Indian Ocean in Comparative Perspective: Conference Course

Catalog Number: 8123

Sugata Bose

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Explores the history of the Indian Ocean inter-regional arena in the comparative context of histories of the Atlantic, Mediterranean and the Pacific worlds from the 1490s to the 1990s. The changing meanings of sovereignty, religiously informed universalisms and the links forged by intermediary capital and migrant labor in the age of global empire.

History 1897. Nation, Reason and Religion in South Asia

Catalog Number: 1447

Sugata Bose

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

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). W., 2–4. EXAM GROUP: 7, 8

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.

[History 1903. Modern Africa from 1850 to the Present]

Catalog Number: 3725

Caroline M. Elkins

Half course (spring term). Hours to be arranged.

Explores the history of sub-Saharan Africa from the mid-19th century to the present, providing a detailed overview of the main trends in the component's history, using specific case studies for illustrative examples. Topics include the importance of environment and disease in understanding African history; the continent's shifting commercial involvement with Europe; the technologies of Western imperialism and the impact of colonial rule; the transformation of



African economies and societies; Christianity and Islam; and gender and relations.

Note: Expected to be given in 2003–04.

[History 1907. West Africa from 1800 to the Present]

Catalog Number: 4650

Emmanuel K. Akyeampong

Half course (spring term). Hours to be arranged.

Explores the internal dynamics of West African states from 1800, and West Africa's relations with the wider world. Examines African perspectives of colonialism, nationalism, and the transfer of political power. Concludes with the study of the continued struggle of independent West African states to achieve economic independence.

Note: Expected to be omitted in 2002–03. Expected to be given in 2003–04.

[History 1910. Islam in Sub-Saharan Africa, 630 C.E. to the Present: Conference Course]

Catalog Number: 7203

Emmanuel K. Akyeampong

Half course (spring term). Hours to be arranged.

Explores main themes in the history of Islam in sub-Saharan Africa.

Note: Expected to be given in 2003–04.

[History 1911. A History of Southern Africa]

Catalog Number: 6238

Caroline M. Elkins

Half course (fall term). 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 2003–04.

History 1912. Health, Disease and Ecology in African History: Conference Course

Catalog Number: 5905

Emmanuel K. Akyeampong

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

[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 2003–04.

History 1922. Protest, Rebellion and Power in East African History: Conference Course

Catalog Number: 8459

Caroline M. Elkins

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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 will 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 will include popular rebellion in Zanzibar, the Mau Mau Emergency, the regime of Idi Amin, and the Rwandan genocide.

Cross-listed Courses

Arabic 144. Sources for the Study of Islamic History

[Chinese History 111. Introduction to Chinese History: Pre-Imperial and Imperial China, ca. 1700 B.C.–A.D. 755]

[Chinese History 116c. Modern Chinese Intellectual History]

Chinese History 211. Research on Chinese History and Civilization: Tools and Methods

[Chinese History 224. Introduction to T'ang and Sung Historical Sources]

[Chinese History 235. Topics in Warring States History: Seminar]

[Chinese History 251. Confucian Ethics: Conference Course]

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

Historical Study A-13. China: Traditions and Transformations

[Historical Study A-14. Japan: Tradition and Transformation]

Historical Study A-16. The Making of Modern South Asia

[Historical Study A-74. Contemporary China: The People's Republic and Taiwan in the Modern World]

Historical Study B-52. Slavery and Slave Trade in Africa and the Americas

Historical Study B-67. Japan's Modern Revolution

Historical Study B-68. America and Vietnam: 1945–1975

Islamic Civilizations 121. Politics, Society and Religion in North Africa from 1500 to the Present

Japanese History 111a. Ancient and Medieval Japan: Conference Course

Japanese History 111b. The Shogun's Realm, 1600–1868: Conference Course

[Japanese History 116a. History of Japanese Religions: Conference Course]

Japanese History 116b. History of Japanese Religions: Conference Course

Korean History 111. Traditional Korea

[Korean History 114. Modern Korea]

[Korean History 118. History of the Chosôn Dynasty: Conference Course]



[Literature and Arts C-40. The Chinese Literati]

Persian 150r. Readings in Persian Historians, Geographers and Biographers

Primarily for Graduates

[History 2821. Readings in Vietnamese History]

Catalog Number: 7625

Hue-Tam Ho Tai

Half course (spring term). Hours to be arranged.

Reading of selected texts in English in modern Vietnamese history.

Note: Expected to be given in 2003–04. Primarily for graduate students, but open to advanced undergraduates as well.

[History 2830a. Late Imperial and Modern Chinese History: Proseminar]

Catalog Number: 6453

Philip A. Kuhn and William C. Kirby

Half course (fall term). Hours to be arranged.

Treats the history of the field by examining recent scholarship in its intellectual context.

Note: Expected to be given in 2003–04. 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 2003–04. Intended for graduate students with a reading knowledge of Chinese.

[History 2847. 20th-Century China: Seminar]

Catalog Number: 0279

William C. Kirby

Half course (spring term). Hours to be arranged.

Designed for graduate students who wish to pursue original research in Chinese history of the 20th century. Students are introduced to major research aids and published documentary collections. Surveys archival and library holdings on modern and contemporary China in Asia, Europe, and the United States. Students translate primary source materials and write and present a research paper.

Note: Expected to be given in 2003–04.

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). Tu., 2–4. EXAM GROUP: 16, 17



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: 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). Tu., 2–4. EXAM GROUP: 16, 17

Research papers prepared on the basis of published collections of archival documents on Qing and modern history.

Prerequisite: History 2848a or equivalent.

[*History 2851. Japanese History: Seminar]

Catalog Number: 5146

Andrew Gordon and Harold Bolitho

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Reading knowledge of Japanese.

[History 2852. Topics in Modern Japanese History: Proseminar]

Catalog Number: 0481 Enrollment: Limited to 15.

Daniel V. Botsman

Half course (fall term). Hours to be arranged.

Readings of documents and secondary works on topics in modern Japanese history.

Note: Expected to be given in 2003–04.

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). W., 3–5. EXAM GROUP: 8, 9

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.

History 2884. Topics in Ottoman Social and Cultural History: Seminar

Catalog Number: 3762

Cemal Kafadar

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Prerequisite: Reading knowledge of Turkish.

History 2886r. Topics in Islamic History: Seminar

Catalog Number: 3470



Roy Mottahedeh

Half course (fall term; repeated spring term). Fall: Tu., 1–3. EXAM GROUP: Fall: 15, 16

[History 2887a. Debates in the Economic and Social History of the Middle East: Seminar]

Catalog Number: 1352

E. Roger Owen

Half course (fall term). Hours to be arranged.

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 of colonialism and state/society relations.

Note: Expected to be given in 2003–04.

History 2887b. Debates in the Political and Ideological History of the Middle East: Seminar

Catalog Number: 4102

E. Roger Owen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Major questions and debates in modern Arab political and ideological writings including Orientalism, Arab and local nationalism, religious revival, power and authority, and the difficulties of establishing democratic institutions.

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 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 2003–04. Undergraduates may enroll with the permission of the instructor.

Cross-listed Courses

[Chinese History 226. Introduction to Sources for Local History]

[Chinese History 227r (formerly Chinese History 227z). Topics in Middle-Period Sociocultural History: Seminar]

[Chinese History 240r. Readings in Chinese Intellectual History]

Korean History 230r. Readings in Premodern Korean History

[*Korean History 253r. Topics in Modern Korean History: Proseminar]

***Korean History 255r. Modern Korean History: Seminar**



Historiography and Methodology

For Undergraduates and Graduates

History 1942. The Historiography of Reformation Europe, 1450-1650: Conference Course

Catalog Number: 5887

Steven Ozment

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to Reformation scholarship. Both classic and recent studies are read and discussed, and new fields of research explored. Attention given to a variety of national traditions and to the major historiographical controversies.

History 1983 (formerly History 1683). 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 of Government as API 701.

Primarily for Graduates

History 2902. Studies in Tudor and Stuart History

Catalog Number: 1428

Mark A. Kishlansky

Half course (spring term). Hours to be arranged.

A graduate colloquium designed for students preparing preliminary examinations in early modern history or interested in English historiography of the early modern period.

Historiographical papers and reviews.

Note: Open to undergraduates by permission of the instructor.

[*History 2904. Readings in Japanese History: Proseminar]

Catalog Number: 4041

Andrew Gordon

Half course (fall term). Hours to be arranged.

A graduate colloquium for students preparing for general examinations in modern Japanese history or interest in English-language historiography of modern Japan.

Note: Expected to be given in 2003–04.

History 2910. Feminist Theory and Historiography: Proseminar

Catalog Number: 8131

Afsaneh Najmabadi

Half course (spring 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

Cemal Kafadar 2459 and Patrice Higonnet 2730

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Required of and limited to first-year doctoral students in History and joint degree programs in HEAL and HMES.

Global and Comparative History

For Undergraduates and Graduates

[History 1951. 19th-Century Capitalism: Great Britain, the United States, Germany, and Japan: Conference Course]

Catalog Number: 9007 Enrollment: Limited to 15.

Sven Beckert

Half course (spring term). Hours to be arranged.

This course will explore in depth the development of capitalism in four of the main economic powers of our times: Great Britain, the U.S., Germany, and Japan.

Note: Expected to be given in 2003–04.

[History 1952. Comparative Colonialism: Conference Course]

Catalog Number: 6795

Catherine A. Corman

Half course (spring term). Hours to be arranged.

An introduction to major themes and thinkers in the history of European colonialism, including an examination of the ways different peoples approached problems common to colonial encounters.

Note: Expected to be given in 2003–04.

[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 2003–04.

History 1956. Comparative Approaches to Frontiers and Boundaries

Catalog Number: 5864

Brian James Boeck

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines Roman limes, Chinese policies towards Inner Asian nomads, medieval frontiers between Islam and Christendom, borderlands of the Ottoman empire, Russian expansion in



Eurasia, the concurrent emergence of borders and “nation-states” in early modern Europe, the imposition of boundaries in colonial Africa, the U.S.-Mexico borderlands, the role of twentieth century borders in restricting movement, the partition of Palestine and the extreme border regimes of the Cold War period.

History 1960. Punishment and the Modern World: Conference Course

Catalog Number: 2856

Daniel V. Botsman

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines the way in which ideas about punishment, as well as actual penal practices, have played a critical role in the rise of modern states and societies. Will attempt to develop a global perspective by reading historical studies about a broad range of societies. Beginning with the ideas and reforms of Enlightenment Europe, will consider the rise of the prison, the transformation of corporal punishment, 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.

This course focuses on three crises of the Cold War: Berlin, 1948-49; Suez, 1956; and Berlin/Caribbean missiles, 1961-62. Discussion compares not only the crises but types of historical sources and problems involved in analyzing collective memory.

Note: Expected to be given in 2003–04.

[History 1968. The World of the 1930s: Conference Course]

Catalog Number: 0449

Akira Iriye

Half course (fall term). Hours to be arranged.

Discussion of domestic crises and international tensions during the 1930s in a comparative perspective. Political and cultural turmoil in Europe, Asia, and the United States examined in the context of the collapse of the world order.

Note: Expected to be given in 2003–04.

History 1982. New Global History: An Introduction

Catalog Number: 0485

Akira Iriye and Bruce Mazlish (Massachusetts Institute of Technology)

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Will deal with transnational factors of globalization, such as the step into space, satellite communications, the multinational corporations, migrations, environmental issues, international relations, and human rights, and with topics such as global culture, consumerism, and cities.

Primarily for Graduates

History 2906. International History: Seminar

Catalog Number: 0453

Akira Iriye



Half course (fall term). W., 2–4. EXAM GROUP: 7, 8
Research seminar in the history of modern international relations.

[History 2907. Readings in Comparative Gender History: Proseminar]

Catalog Number: 2630

Evelyn Brooks Higginbotham and Laurel Thatcher Ulrich

Half course (fall term). 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 will cover American gender history from the colonial to modern periods.

Note: Expected to be given in 2003–04.

Cross-listed Courses

***American Civilization 370. Colloquium in American Civilization**

[Historical Study A-74. Contemporary China: The People's Republic and Taiwan in the Modern World]

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

Graduate Courses of Reading and Research

***History 3000. Direction of Doctoral Dissertations**

Catalog Number: 4630

Emmanuel K. Akyeampong 3421, Bernard Bailyn 1841, Sven Beckert 2415 (on leave 2002-03), Thomas N. Bisson 1451 (on leave fall term), David Blackbourn 3203 (on leave 2002-03), Ann M. Blair 2467 (on leave fall term), Peter K. Bol 8014 (on leave 2002-03), Harold Bolitho 1176, Sugata Bose 3960, Daniel V. Botsman 1249, Joyce E. Chaplin 1058 (on leave 2002-03), John H. Coatsworth 3248, Lizabeth Cohen 3627, Catherine A. Corman 1096, Nancy F. Cott 4261, Albert M. Craig 1847, Drew Gilpin Faust 3857, Ruth Feldstein 1755, Donald Fleming 1831, Caroline M. Elkins 3961, William E. Gienapp 2109, Andrew Gordon 1891 (on leave 2002-03), Peter Eli Gordon 3907 (on leave 2002-03), James Hankins 1239 (on leave 2002-03), Evelyn Brooks Higginbotham 3517 (on leave fall term), Patrice Higonnet 2730, Stanley Hoffmann 1757, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Christopher P. Jones 3204, Cemal Kafadar 2459, Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157 (on leave 2002-03), Philip A. Kuhn 8051, Angeliki E. Laiou 7282, Mary D. Lewis 4369 (fall term only), Eric Lohr 2343 (on leave 2002-03), Charles S. Maier 7227 (on leave fall term), Jane E. Mangan 2413 (on leave 2002-03), Terry D. Martin 2966 (on leave 2003-04), Ernest R. May 1817, Michael McCormick 2849, Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543 (on leave 2002-03), Rebecca Mary McLennan 2418 (on leave 2002-03), Roy Mottahedeh 1454, John E. Murdoch 1877, Afsaneh Najmabadi 4052, Susan E. O'Donovan 3962 (on leave 2003-04), E. Roger Owen 1028, Steven Ozment 6197, Susan Pedersen 1972, Richard Pipes 1827, Michael James Puett 1227, Eric W. Robinson 2724, Judith Surkis 4184, Roman Szporluk 3033, Hue-Tam Ho Tai 6079 (on leave fall term), Stephan Thernstrom 4141, T. Robert Travers 4129 (on leave 2002-03), Wei-Ming Tu 7233 (on leave spring term), Laurel Thatcher Ulrich 1886, and John Womack, Jr. 1863


***History 3010. Reading and Research**

Catalog Number: 3424

Emmanuel K. Akyeampong 3421, Sven Beckert 2415 (on leave 2002-03), Thomas N. Bisson 1451 (on leave fall term), David Blackburn 3203 (on leave 2002-03), Ann M. Blair 2467 (on leave fall term), Peter K. Bol 8014 (on leave 2002-03), Harold Bolitho 1176, Sugata Bose 3960, Daniel V. Botsman 1249, Joyce E. Chaplin 1058 (on leave 2002-03), John H. Coatsworth 3248, Elizabeth Cohen 3627, Kathleen M. Coleman 2289, Catherine A. Corman 1096, Nancy F. Cott 4261, Albert M. Craig 1847, Charles Donahue, Jr. (Law School) 2650, William L. Fash 1512 (on leave 2002-03), Drew Gilpin Faust 3857, Ruth Feldstein 1755, Donald Fleming 1831, Caroline M. Elkins 3961, Jeffrey Frieden 1627 (on leave spring term), William E. Gienapp 2109, Andrew Gordon 1891 (on leave 2002-03), Peter Eli Gordon 3907 (on leave 2002-03), David D. Hall (Divinity School) 2510, James Hankins 1239 (on leave 2002-03), Evelyn Brooks Higginbotham 3517 (on leave fall term), Patrice Higonnet 2730, Stanley Hoffmann 1757, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Christopher P. Jones 3204, Cemal Kafadar 2459, Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157 (on leave 2002-03), Philip A. Kuhn 8051, Angeliki E. Laiou 7282, Jonathan M. Lawrence (University of Liverpool) 4503, Mary D. Lewis 4369 (fall term only), Eric Lohr 2343 (on leave 2002-03), Nino Luraghi 2408 (on leave 2002-03), Charles S. Maier 7227 (on leave fall term), Jane E. Mangan 2413 (on leave 2002-03), Terry D. Martin 2966 (on leave 2003-04), Ernest R. May 1817, Michael McCormick 2849, Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543 (on leave 2002-03), Rebecca Mary McLennan 2418 (on leave 2002-03), Roy Mottahedeh 1454, John E. Murdoch 1877, Afsaneh Najmabadi 4052, Susan E. O'Donovan 3962 (on leave 2003-04), E. Roger Owen 1028, Steven Ozment 6197, Katharine Park 2974 (on leave 2003-04), Susan Pedersen 1972, Michael James Puett 1227, Eric W. Robinson 2724, Bernard Septimus 7160, Mary M. Steedly 2783 (spring term only), Judith Surkis 4184, Roman Szporluk 3033, Hue-Tam Ho Tai 6079 (on leave fall term), Stephan Thernstrom 4141, T. Robert Travers 4129 (on leave 2002-03), Wei-Ming Tu 7233 (on leave spring term), Laurel Thatcher Ulrich 1886, Jeffrey G. Williamson 7680 (on leave 2003-04), and John Womack, Jr. 1863

Half course (fall term; repeated spring term). F., 1–3. EXAM GROUP: 6, 7

Instructors listed above under History 3010 supervise individual work in preparation for the General Examination for the PhD degree.

Note: Open ordinarily only to candidates for the PhD who are in residence, who have been for a year in residence, and who are in good standing in the Graduate School. May ordinarily be taken only in preparation for a field (or fields) to be examined on the General Examination. May not be counted toward the A.M. degree except by permission of the Department.

History and Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Members of the Steering Committee on Degrees in History and Literature

Homi K. Bhabha, Anne F. Rothenberg Professor of English and American Literature and Language (*Chair*)
Steven Biel, Lecturer on History and Literature (*Director of Studies*)
Ann M. Blair, Professor of History (*on leave fall term*)
Lawrence Buell, Harvard College Professor and Powell M. Cabot Professor of American Literature
Lizabeth Cohen, Howard Mumford Jones Professor of American Studies
Daniel G. Donoghue, Professor of English and American Literature and Language
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 (*on leave 2002-03*)
Stephen J. Greenblatt, John Cogan University Professor
Virginie Greene, Assistant Professor of Romance Languages and Literatures and of History and Literature (*on leave fall term*)
Yunte Huang, Assistant Professor of English and American Literature and Language
Robert J. Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*on leave spring term*)
James T. Kloppenberg, Professor of History (*on leave 2002-03*)
Barbara K. Lewalski, William R. Kenan, Jr., Professor of History and Literature and of English Literature
Christie McDonald, Smith Professor of French Language and Literature
Leah Price, Professor of English and American Literature and Language
Doris Sommer, Professor of Romance Languages and Literatures
John Stauffer, Associate Professor of English and American Literature and Language and of History and Literature
Judith Surkis, Assistant Professor of History and of History and Literature

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
Kriss Richard Basil, Lecturer on History and Literature
Charles E. Beatty, Lecturer on History and Literature
Rory A. W. Browne, Lecturer on History and Literature
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
 Paul Roger Fisher, Lecturer on History and Literature
 Karen Pomeroy Flood, Lecturer on History and Literature
 Joseph Charles Gerber, Instructor in History and Literature
 Jessica C E Gienow-hecht, Lecturer on History and Literature
 Tona J. Hangen, Lecturer on History and Literature
 Benjamin Carter Hett, Lecturer on History and Literature
 Ann S. Holder, Lecturer on History and Literature
 Laura M. Johnson, Staff Assistant III
 Stephen Haviland Kargere, Lecturer on History and Literature, Allston Burr Senior Tutor in Cabot House
 Margaret A. Kennedy, Lecturer on History and Literature
 Julia Lisella, Lecturer on History and Literature
 Peter G. Lurie, Lecturer on History and Literature
 John W. Mackey, Lecturer on History and Literature
 Andrew Robert Muldoon, Lecturer on History and Literature
 Megan Kate Nelson, Lecturer on History and Literature
 John Timothy O'Keefe, Lecturer on History and Literature
 Gloria Pastorino, Lecturer on History and Literature
 Annette Gertraude Pein, Lecturer on History and Literature
 Jeanne Follansbee Quinn, Lecturer on History and Literature
 Mark Ernest Rennella, Lecturer on History and Literature, Temporary in Continuing Ed
 Augusta Rohrbach, Preceptor in Expository Writing
 Maribel Roig, Lecturer on History and Literature
 Andrew P. Scheil, Lecturer on History and Literature
 Naomi Z. Sofer, Lecturer on History and Literature
 Penny Timika Tucker, Lecturer on History and Literature
 Swen A. Voekel, Lecturer on History and Literature
 Andrea L. Volpe, Lecturer on History and Literature
 Christopher Glen White, Tutor in Quincy House, Lecturer on History and Literature
 James Wilkinson, Lecturer on History and Literature
 Joshua Michael Zeitz, Lecturer on History and Literature

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. Tu., 3–5.

Note: Ordinarily taken by honors 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 semester only, a divide with credit petition must be filed. This is an opportunity for freshmen and others who would like the benefit of the course without committing to the concentration.

***History and Literature 98r. Tutorial — Junior Year**

Catalog Number: 2766

Steven Biel and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken as two half courses by honors juniors. Required of all concentrators.

***History and Literature 99. Tutorial — Senior Year**

Catalog Number: 5362

Steven Biel and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Required of all concentrators.

A list of the courses in other departments that count for History and Literature is available in our office at the Barker Center and at www.fas.harvard.edu/~histlit.

History of American Civilization

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in the History of American Civilization

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History (*Chair*)

Sven Beckert, Dunwalke Associate Professor of American History (*on leave 2002-03*)

Lawrence Buell, Harvard College Professor and Powell M. Cabot Professor of American Literature

Joyce E. Chaplin, Professor of History (*on leave 2002-03*)

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies

Catherine A. Corman, Assistant Professor



Nancy F. Cott, Jonathan Trumbull Professor of American History
Margaret Lee Crawford, Professor of 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
David D. Hall, Professor of American Religious History on the Bartlett and the Emerson Fund for Unitarian Universalist Studies (*Divinity School*)
Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies (*on leave fall term*)
Jennifer L. Hochschild, Professor of Government (*on leave 2003-04*)
Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)
Yunte Huang, Assistant Professor of English and American Literature and Language
Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)
James T. Kloppenberg, Professor of History (*on leave 2002-03*)
Ernest R. May, Charles Warren Professor of American History
Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*) (*on leave spring term*)
Charles E. Rosenberg, Ernest E. Monrad Professor of Social Sciences (*on leave 2002-03*)
Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and Afro-American Studies (*on leave 2002-03*)
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 Afro-American Studies (*on leave 2002-03*)
Doris Sommer, Professor of Romance Languages and Literatures
John Stauffer, Associate Professor of English and American Literature and Language and of History and Literature

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 2003-04*)
Bradley S. Epps, Professor of Romance Languages and Literatures
Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature
William W. Fisher, Professor of Law (*Law School*)
Donald Fleming, Jonathan Trumbull Research Professor of American History
William E. Gienapp, Harvard College Professor and Professor of History
Akira Iriye, Charles Warren Professor of American History
Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society
Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)
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

This program is interdisciplinary. Students are also referred to course offerings at the Law



School. For further information about the variety of course offerings in specific departments, consult the office of the Committee, Barker Center 225, 12 Quincy Street.

Graduate Courses

***American Civilization 370. Colloquium in American Civilization**

Catalog Number: 3662

Members of the Committee

Half course (fall term). M., 3–5.

Note: The Colloquium is required of and limited to all first-year graduate students in American Civilization.

***American Civilization 398. Reading and Research**

Catalog Number: 1710

Helen Vendler 7226, Sven Beckert 2415 (on leave 2002-03), Allan M. Brandt 3031 (on leave 2003-04), Lawrence Buell 2655, Joyce E. Chaplin 1058 (on leave 2002-03), Elizabeth Cohen 3627, Catherine A. Corman 1096, Nancy F. Cott 4261 (spring term only), Margaret Lee Crawford (Design School) 3934 (spring term only), Bradley S. Epps 2880, Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, William E. Gienapp 2109, David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517 (on leave fall term), Morton J. Horwitz (Law School) 6272, Yunte Huang 3160, William R. Hutchison (Divinity School) 4061, Akira Iriye 1968, Barbara E. Johnson 7626, James T. Kloppenberg 3157 (on leave 2002-03), Thomas K. McCraw (Business School) 7371, Marc Shell 3176, Werner Sollors 7424 (on leave 2002-03), John Stauffer 1006, Stephan Thernstrom 4141, and Laurel Thatcher Ulrich 1886

***American Civilization 399. Direction of Doctoral Dissertations**

Catalog Number: 8803

Ruth R. Wisse 3177 (on leave spring term), Allan M. Brandt 3031 (on leave 2003-04), Lawrence Buell 2655, Elizabeth Cohen 3627, Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, William E. Gienapp 2109, David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517 (on leave fall term), Morton J. Horwitz (Law School) 6272, Yunte Huang 3160, William R. Hutchison (Divinity School) 4061, Akira Iriye 1968, Sheila S. Jasanoff (Kennedy School, Public Health) 2248, James T. Kloppenberg 3157 (on leave 2002-03), Thomas K. McCraw (Business School) 7371, Robert A. Orsi (Divinity School) 4242 (on leave spring term) (spring term only), Marc Shell 3176, Werner Sollors 7424 (on leave 2002-03), John R. Stilgoe 8032, Stephan Thernstrom 4141, and Laurel Thatcher Ulrich 1886

Cross-listed Courses

[Comparative Literature 174. American Babel](#)

[\[Comparative Literature 182. Comparative Cultures of Money\]](#)

[\[*Comparative Literature 269. Paralysis: Seminar\]](#)

[English 172. 19th-Century American Novel \(formerly Rise of the American Novel\)](#)

[English 176a. American Protest Literature](#)



[English 199t. Animals That Talk](#)

[Government 2392. American Political Ideologies](#)

[History 71a. America: Colonial Times to the Civil War](#)

[History 1623. Civil War and Reconstruction Era, 1860-1877](#)

[History 1632. Gilded Age America: Economy, Society and Politics: Conference Course]

[History 1640. The United States since World War II]

[History 1644. Reconstruction, 1865-1877]

[History 1648. Communication in the Early Nation: Conference Course](#)

[History 1649. The American West: 1780-1930](#)

[History 1653. Baseball and American Society, 1840–Present]

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

[History 1660. Using Primary Sources in African-American History: Conference Course]

[History 1668. Southwestern America: Indians, Hispanos, and Anglos](#)

[History 1669. Historical Approaches to the Hispanic Southwest: Conference Course](#)

[History 1951. 19th-Century Capitalism: Great Britain, the United States, Germany, and Japan: Conference Course]

[History 1952. Comparative Colonialism: Conference Course]

[History 2600 (formerly History 2605). Readings in Colonial and Revolutionary America: Proseminar]

[History 2601. The US in the 20th Century: Seminar](#)

[History 2602. Readings in the United States in the 19th Century: Proseminar](#)

[History 2606. Early American Social History: Seminar](#)

[History 2607 \(formerly History 2603\). Readings in the United States in the 20th Century: Proseminar](#)

[History 2612. 19th-Century United States: Research Seminar]

[History 2630. Intellectual History: Seminar]

[*History 2662. Readings in American Thought]

[History of Art and Architecture 17v. North American Art, 1560-1860](#)

[History of Art and Architecture 175x. Critical Issues in Gilded Age Art and Material Culture](#)

[History of Art and Architecture 178. Alfred Stieglitz and His Circle](#)

[History of Art and Architecture 198. Issues of Gender and Representation in Native American Art History](#)

[History of Art and Architecture 198x. African Women in Art and History](#)

[History of Art and Architecture 276x. The Art of Expedition in Nineteenth-Century America](#)

[History of Art and Architecture 298. The Museum and 'the Other': How Western Institutions Construct Non-Western Worlds](#)

[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 1514. Method and Theory in the History of Christianity: An Introduction to Interpretive Issues]

[Religion 1515. Religion and Culture in 19th-Century America and Europe: Seminar](#)

[Religion 1525. Radical Movements in Modern America]

[Religion 1526. Religion in America from c. 1865 to the 1970s]



[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar](#)

[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)

[Spanish 165. Bilingual Arts](#)

[Spanish 186. Tobacco and Sugar]

[Spanish 268. A Rhetoric of Particularism]

History of Art and Architecture

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History of Art and Architecture

Yve-Alain Bois, Joseph Pulitzer, Jr. Professor of Modern Art (*Chair*)

Janet Catherine Berlo, Visiting Professor of History of Art and Architecture (*University of Rochester*)

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of Afro-American Studies

Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art

Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art

James Cuno, Professor of History of Art and Architecture and Elizabeth and John Moors Cabot Director of the Harvard Art Museums (*fall term only*)

Jeffrey F. Hamburger, Professor of History of Art and Architecture (*Director of Undergraduate Studies*)

Alice G. Jarrard, Associate Professor of History of Art and Architecture (*on leave fall term*)

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave fall term*)

Robin E. Kelsey, Assistant Professor of History of Art and Architecture

Ewa Lajer-Burcharth, Professor of History of Art and Architecture (*Director of Graduate Studies*)

Neil Levine, Emmet Blakeney Gleason Professor of History of Art and Architecture

Susan M. Merriam, Lecturer on History of Art and Architecture

Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art

Gloria Ferrari Pinney, Professor of Classical Archaeology and Art

Jennifer L. Roberts, Assistant Professor of History of Art and Architecture

Betsey A. Robinson, Assistant Professor of the Classics and of History of Art and Architecture

David J. Roxburgh, Associate Professor of History of Art and Architecture

Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and Afro-American Studies (*on leave 2002-03*)

Rabun Taylor, Assistant Professor of History of Art and Architecture



Eugene Wang, Gardner Cowles Associate Professor of the History of Art and Architecture
Cherie A. Wendelken, Lecturer on History of Art and Architecture
Irene J. Winter, William Dorr Boardman Professor of Fine Arts
Henri Zerner, Professor of History of Art and Architecture (*on leave 2002-03*)
David Gordon 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 (*Carl A. Weyerhauser Curator of Prints in the Harvard University Art Museums*)
Harry A. Cooper, Lecturer on History of Art and Architecture, Senior Lecturer on History of Art and Architecture (*Associate Curator of Modern Art, Harvard University Art Museums*)
Eugene F. Farrell, Lecturer on History of Art and Architecture (*Senior Conservation Scientist in the Harvard University Art Museums*)
Deborah Martin Kao, Senior Lecturer on History of Art and Architecture (*Richard L. Menschel Curator of Photography, Harvard University Art Museums*)
Henry William Lie, Lecturer on History of Art and Architecture (*Senior Conservator of Objects and Sculpture, Straus Center for Conservation, Harvard University Art Museums*)
Carol C. Mancusi-Ungaro, Senior Lecturer on History of Art and Architecture (*Director of the Center for the Technical Study of Modern 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 (*Associate Curator of Paintings, Sculpture, and Decorative Arts, Harvard University Art Museum*)

Courses in the History of Art and Architecture undergraduate curriculum are structured as a three-tier system, consisting of a sequence of 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

Susan M. Merriam

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Concentrating on painting but with reference to other media, the course will examine art between the beginning of Modern Times around 1400 until the present. It will be team taught and organized around specific topics each occupying one week. It will be organized chronologically but will not attempt to cover the material but to highlight important issues, debates, innovations, specific works or artists.

History of Art and Architecture 11. Landmarks of World Architecture

Catalog Number: 3675

Cherie A. Wendelken and members of the Faculty

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Examines great monuments in world architecture and the unique aesthetic, cultural, and historical issues that frame them. Faculty members will each lecture on a building or complex in their area of expertise. These will include St. Peter's, Guggenheim Museum, Chartres Cathedral, Taj Mahal, Paris Opera, Pompidou Center, Hagia Sophia, temples at Khajuraho, Hôtel de Soubise, and palaces at Katsura, Versailles, and Nineveh. Sections will focus on key questions in the analysis and interpretation of architecture.

[History of Art and Architecture 12x. Introduction to Islamic Architecture (650-1650)]

Catalog Number: 4040

Gülru Necipoglu-Kafadar

Half course (fall term). Hours to be arranged.

An introduction to the major monuments of medieval and early modern architecture in the Islamic world stretching from Spain in the west to the borders of China in the east. Architectural monuments will be examined in their cultural, political, socio-economic, and aesthetic contexts. A highly selective survey, emphasizing the methodological concerns of the field through a focused study of building programs in such monuments as the Dome of the Rock in Jerusalem; the Great Mosques of Damascus, Samarra, Cordoba, Marrakesh, Isfahan, Samarkand, Cairo, Istanbul, Delhi and Agra; and other building types including madrasas, shrines, mausoleums, caravansarays, palaces, and gardens.

Note: Expected to be given in 2003–04.

[History of Art and Architecture 12y. Introduction to Islamic Art: Visual and Portable Arts in Context]

Catalog Number: 3235

David J. Roxburgh

Half course (fall term). Hours to be arranged.

Introduces key examples of the arts of the book, calligraphy, and portable arts (e.g. ceramics, metalwork, textiles, ivory) made between 650 and 1650 in the Islamic world, from the rise of Islam through to the pre-modern "Gunpowder Empires." Objects are examined in light of their cultural, political, socio-economic, and aesthetic contexts. Themes include production and patronage; systems of object content and use; intermedial correspondences; and cross-cultural relationships of content and form. The selected materials are studied through a range of



methodologies.

Note: Expected to be given in 2003–04.

History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia

Catalog Number: 7382

Irene J. Winter

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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.

[History of Art and Architecture 13k. Introduction to Roman Art and Architecture]

Catalog Number: 1426

Rabun Taylor

Half course (spring term). Hours to be arranged.

At its height, the Roman Empire extended from Scotland to Syria, and from the North Sea to the Sahara. This course examines the art and architecture produced in lands under Roman rule during a one thousand year period, from Rome's beginnings as an Etruscan-influenced city in the 7th century BCE to the Christianizing of Rome in the 4th century CE.

Note: Expected to be given in 2003–04.

[History of Art and Architecture 14. Introduction to Early Medieval Art]

Catalog Number: 2049

Jeffrey F. Hamburger

Half course (spring term). Hours to be arranged.

Western art and architecture, from the Age of the Invasions through the 13th century, with greater emphasis on significant themes, contexts, and approaches than on chronological coverage.

Note: Expected to be given in 2003–04.

[History of Art and Architecture 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600]

Catalog Number: 1682

Half course (spring term). Hours to be arranged.

An introduction to the major personalities and events in four Italian styles: Gothic, Renaissance, High Renaissance, and Mannerist. The approach assumes that we are concerned essentially with history—with one branch of a large family of historical studies. The works of art are thus studied in the context of whatever human, social, political, technological, or economic circumstances are most appropriate. The course is a highly selective survey. The lectures vary widely in method and focus, a secondary intention being to illustrate the concerns of art history as a discipline.

Note: Expected to be given in 2003–04.

History of Art and Architecture 17y. North American Art, 1560-1860

Catalog Number: 8937



Jennifer L. Roberts

Half course (fall term). M., W., at 10. EXAM GROUP: 3

An introduction to the artistic conflicts and cross-pollinations that accompanied the global struggle for control of the North American continent. Multiple Native American artistic traditions will be covered, along with the visual and material cultures of Spanish, French, and British colonialism. As the semester progresses the course will gradually focus more closely on the United States proper, examining the role of the visual arts in early American politics, economics, religion, and society.

[History of Art and Architecture 17z. Introduction to the History of Photography]

Catalog Number: 3515

Robin E. Kelsey

Half course (fall term). Hours to be arranged.

An introduction to the history of photography from its origins to the present, with an emphasis on the role of the medium in the development of modern modes of experience and pictorial intelligence. The course considers photography in relation to, among other things, science, entertainment, social order, tourism, publicity, and history.

Note: Expected to be given in 2003–04.

[History of Art and Architecture 18g. Introduction to the Art and Architecture of Japan]

Catalog Number: 2470

Cherie A. Wendelken

Half course (fall term). Hours to be arranged.

A survey of Japanese art and architecture from prehistoric times to the 20th century. The major achievements of each period are examined in the context of cultural history, with emphasis on the relationship between the arts and place-making.

Note: Expected to be given in 2003–04.

[History of Art and Architecture 19x. Introduction to African American Art History]

Catalog Number: 2396

Gwendolyn DuBois Shaw

Half course (fall term). Hours to be arranged.

This course examines over two hundred years of artistic production by peoples of African descent living in the United States. While focusing primarily on the fine arts, a variety of media and methodologies will be examined: from 19th-century landscape painting to contemporary avant garde installations; from the material culture of slavery to the vernacular art of the current era.

Note: Expected to be given in 2003–04.

[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). M., W., at 11. EXAM GROUP: 4

This course will look at the various roles that painting and sculpture played in the conquest. Stressing Mexico and Peru, we will be dealing 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.

[History of Art and Architecture 40. Court and Cloister in the Later Middle Ages]

Catalog Number: 0734

Jeffrey F. Hamburger

Half course (fall term). Hours to be arranged.

Courtly culture and patronage, primarily in Paris, Prague, and Burgundy, with an emphasis on issues of artistic exchange, dynastic commemoration, princely piety, the development of secular genres, and the emergence of the court artist.

Note: Expected to be given in 2003–04.

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

Catalog Number: 4593

Ewa Lajer-Burcharth

Half course (spring term). Hours to be arranged.

What is modernity, and what is the place of visual representation within modern culture? What conceptions of individuality, originality, and desire are at work in the idea of “the artist” in the modern period? Central to the course will be examination of the place of the body and of sexuality in different stylistic regimes in rococo, Neo-classicism, Impressionism, Abstraction, and beyond; as well as changing conceptions of “identity” in relation to national, imperial, and post-colonial contexts. The course will examine the whole range of modern media, from painting, sculpture, prints, and photography to video, installation, and performance art.

Note: Expected to be given in 2004–05.

***History of Art and Architecture 91r. Directed Study in History of Art and Architecture**

Catalog Number: 1028

Jeffrey F. Hamburger and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open only to juniors and seniors. Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the permission of the proposed instructor.

***History of Art and Architecture 97r. Sophomore Tutorial**

Catalog Number: 0935

Jeffrey F. Hamburger and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98ar. Advanced Tutorial**

Catalog Number: 1328

Jeffrey F. Hamburger and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

Prerequisite: History of Art and Architecture 97r.



***History of Art and Architecture 98br. Advanced Tutorial**

Catalog Number: 3507

Jeffrey F. Hamburger and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

Prerequisite: History of Art and Architecture 97r.

***History of Art and Architecture 99. Tutorial — Senior Year**

Catalog Number: 3118

Jeffrey F. Hamburger and members of the Department.

Full course. Hours to be arranged.

Note: Intended primarily for honors candidates in History of Art and Architecture. Permission of the Head Tutor required.

For Undergraduates and Graduates

History of Art and Architecture 101. The Materials of Art

Catalog Number: 5741

Eugene F. Farrell and staff

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

An introduction to the materials and techniques that have been used to produce art objects (paintings, sculpture, works on paper). An emphasis on the physical choices and constraints offered to the artist through the centuries. Problems of description, dating, authenticity, aging, and preservation are considered.

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). M., 1–3. EXAM GROUP: 6, 7

A history of Western printmaking, focusing on the origins, functions, and changing fortunes of woodcut, engraving, etching, lithography, and other fine art print techniques. The work of major artists, such as Dürer, Rembrandt, Goya, and Picasso, is analyzed, but the emphasis is on aspects of prints inherent in the medium, such as the role of prints in fostering the development of graphic conventions, their production in collaborative enterprises, and their uses as multiples. Students are encouraged to work on prints and printmakers from time periods and geographical regions of particular interest to them.

History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture (7th-14th Century)

Catalog Number: 8101

Gülru Necipoglu-Kafadar

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

A contextual study of major monuments focusing on architectural, decorative, and epigraphic programs. Questions of interpretation and meaning addressed by focusing on selected buildings including the Dome of the Rock in Jerusalem; the Great Mosques of Damascus, Samarra,



Cordoba, Cairo, Isfahan, Konya, and Delhi; the grand funerary complexes of Mamluk Cairo and Ilkhanid Iran; and palaces. Uses of the pre-Islamic past and emulation of Islamic models in Norman Sicily considered.

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). M., 3–5. EXAM GROUP: 8, 9

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. The Western Mediterranean is the focus in 2003.

History of Art and Architecture 129. Islamic Pilgrimage

Catalog Number: 1195 Enrollment: Limited to 12.

David J. Roxburgh

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines Islamic pilgrimage, worship, and ceremonial practices through architectural and urban settings and the pilgrim's material appurtenances. Mecca, Medina, and Jerusalem provide the main focus, but also considered are the development of shrines and shrine complexes throughout Iran, Egypt, and North Africa. Additional themes include the imaging of holy places, and the illustration of hagiographical and eschatological texts.

History of Art and Architecture 130. Topography and Monuments of Ancient Rome

Catalog Number: 4494

Rabun Taylor

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This course is 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 will 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 will confront the city as an organic and historical entity.

History of Art and Architecture 133. Greek Architecture and Urbanism

Catalog Number: 2412

Betsey A. Robinson

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An examination of Greek architecture and site organization from the Early Iron Age through the Hellenistic Period. We will 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.

Prerequisite: Some previous work in classical archaeology or the history of architecture



History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar

Catalog Number: 0302 Enrollment: Limited to 10.

Irene J. Winter

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An inquiry into aesthetic theory as it was developed in Western Europe in the 18th and 19th centuries, and how that approach may be used to examine the art of non-European traditions. After a set of common readings and discussion, students will be asked to select a particular tradition for research, and examine the utility of such concepts as “beauty” cross-culturally. Class presentation and paper.

History of Art and Architecture 138. Hellenistic Art and Architecture

Catalog Number: 2327

Betsey A. Robinson

Half course (spring term). M., W., at 10. EXAM GROUP: 3

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.

Prerequisite: History of Art and Architecture 13k and/or Classical Archaeology 131 recommended.

History of Art and Architecture 146x. The Art of Devotion

Catalog Number: 4493 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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.

History of Art and Architecture 170w. Artists and Architects: Collaborations, Overlaps, Confrontations: Seminar

Catalog Number: 6145 Enrollment: Limited to 12.

Neil Levine

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Examines the multifaceted relationships between architecture and art from the 1960s on. Works and writings by Donald Judd, Frank Gehry, Yves Klein, Robert Venturi, Claes Oldenburg, Daniel Libeskind, Ed Ruscha, Gordon Matta-Clark, and Frank Stella will be among those studied.

History of Art and Architecture 170x. The Domestication of Modern Architecture, 1935-1965: Seminar

Catalog Number: 1610 Enrollment: Limited to 10.

Neil Levine

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Between the New Deal and the Vietnam War, America led the world in promoting the



acceptance of modern architecture. This course will examine the mechanisms and results of that phenomenon through a focus on museum exhibitions, suburban development, professional and popular magazines, TV and film, furniture design, etc. Among the architects and designers to be studied are Frank Lloyd Wright, Marcel Breuer, Philip Johnson, Bruce Goff, and Charles and Ray Eames.

History of Art and Architecture 170y. Post-war American Art: the Work of Art in the Age of Infinite Technical Diversity.

Catalog Number: 9383 Enrollment: Limited to 12.

Yve-Alain Bois and Carol C. Mancusi-Ungaro

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7

This course examines the variety of techniques used by post-war American artists--not only the how, but the why: Why did Jasper Johns have recourse to the age-old medium of encaustic, or why did Twombly put dust in his paint? Studying objects in both the Fogg and the Whitney collections, the class will explore the way in which the materiality of the work of art is an essential aspect of its historical significance.

Note: Several day trips to be scheduled to the Whitney's conservation lab.

History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists

Catalog Number: 7251 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the works of important European and American women artists from the 1950s to the present, including Lee Krasner, Eva Hesse, Hannah Wilkie, Judy Chicago, Rebecca Horn, Mary Kelly, Adrian Piper, Cindy Sherman, and Janine Antoni, among others. Explores the ways of thinking about their art as a representation of difference understood as historically contingent cultural value rather than a natural or innate quality. Seeks less to pit male vs. female artist than to open up a discussion of the woman artist herself as a locus of difference(s) and of the diversity and difference among women's aesthetic productions.

History of Art and Architecture 174s. Body Image in French Visual Culture (18th & 19th Century)

Catalog Number: 9158

Ewa Lajer-Burcharth

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Functions and meanings of the body as privileged visual signifier in French visual arts (painting, sculpture, printed imagery, photography). Body image seen as both instrument of different discourses of modernity and a site of resistance to them. Among the issues addressed: the king's body, republican corporeality; the problem of the nude, bodily spectacles; race; otherness; androgyny; monstrosity; pornography; representations of hysteria; images of desire; fetishism; body and/in space; body and the self.

History of Art and Architecture 175x. Critical Issues in Gilded Age Art and Material Culture

Catalog Number: 3617 Enrollment: Limited to 12.



Jennifer L. Roberts

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A thematic investigation of the arts of the United States in the final quarter of the nineteenth century, treating a variety of media and artistic practices. Topics will include, among others, orientalism, mass reproduction, landscape and memory, the visual culture of death and mourning, the ideology of ornament, and theories of aesthetic degeneration.

History of Art and Architecture 176y. Picasso's Les Demoiselles d'Avignon

Catalog Number: 9681 Enrollment: Limited to 12.

Harry A. Cooper

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

This course will focus on a single painting, one that has been recognized as fundamental to all 20th-century art. Themes will include its relation to Western and non-Western traditions, its evolution during 1907, and its role (or not) in the genesis of cubism. The course will come to grips with the meanings of the work through careful reading of the variety of interpretations advanced throughout the century.

History of Art and Architecture 178. Alfred Stieglitz and His Circle

Catalog Number: 6177 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

An investigation of the artistic practices of Alfred Stieglitz and the artists of his circle, including Georgia O'Keeffe, Paul Strand, John Marin, Charles Demuth, Arthur Dove, and Mardsen Hartley. Special attention will be given to the period between the opening of the 291 gallery in 1905 to the closing of the Intimate Gallery in 1929.

History of Art and Architecture 184y. Indian Miniature Painting

Catalog Number: 2083 Enrollment: Limited to 12.

Pramod Chandra

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The course examines some important styles, notably western Indian Manuscript painting, the Mughal school patronized by the emperor Akbar and its origins, and painting from selected states of Rajasthan notably Mewar and Bundi-Kota. The course will attempt to formulate an exhibition based on the HUAM collections.

History of Art and Architecture 186. Chinese Landscape Painting: Visions and Vistas. Proseminar

Catalog Number: 3009 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Th., 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 189z. Japan and America: The Art and Architecture of Cross-Cultural Encounter

Catalog Number: 0133 Enrollment: Limited to 12.

Cherie A. Wendelken

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

This seminar will look at the effects on art and architecture of contact between Japan and the United States in the late 19th and early 20th centuries. Subject matter will include domestic paradigms and the design of the modern home, the museum movement, international expositions, and international movements in architecture. The Japanese and U.S. contexts will be discussed, including the Japanese presence in New England.

History of Art and Architecture 197x. The Towns and Cities in the New World: The Architecture of Power

Catalog Number: 9412 Enrollment: Limited to 12.

Thomas B. F. Cummins

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course studies the importance of the city in the 16th- and 17th-century New World. We study the development and use of the grid plan as an artistic, religious, and political expression. Will also look at the architecture and decoration of churches that were the center of these towns, be it Quito, Cuzco, or Tlaxcala.

History of Art and Architecture 198. Issues of Gender and Representation in Native American Art History

Catalog Number: 5643 Enrollment: Limited to 12.

Janet Catherine Berlo (University of Rochester)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A survey of gender-based artistic practices in Pueblo, Navajo, and Plains Indian cultures of the United States, and Inuit (Eskimo) culture of Canada. Examining how the social and artistic roles of men and women have changed in response to colonialism in the last two centuries, we will critique some of the entrenched notions in the literature about Native American peoples and their arts (notions of sacred vs. secular, art vs. craft, authentic vs. touristic, and other distinctions).

History of Art and Architecture 198x. African Women in Art and History

Catalog Number: 4830 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Looks at the issues of gender identity, power, and display through the lens of key traditions of African art. Women as subjects, patrons, artists, and critics will also be explored in a range of contexts. Female/male aesthetics, male personification of females in masquerades, the prominence of androgyny in African art, “mother gods,” art in contexts of gender socialization, women on local governance, women in colonial discourse, and women on the move are other issues which will be examined.

Primarily for Graduates



History of Art and Architecture 201. The Study of Architectural History: Critical Issues and Methodologies

Catalog Number: 5302 Enrollment: Limited to 12.

Neil Levine and K. Michael Hays (Design School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course focuses on issues of method and ideology in the history, criticism, and theory of architecture through close readings of selected cases involving multiple and contradictory interpretations of a building, architect, or design approach. For all students interested in the practice of architectural history.

Note: Open to qualified undergraduates.

[History of Art and Architecture 206. Science and the Practice of Art History]

Catalog Number: 6180 Enrollment: Limited to 12.

Henry William Lie and staff

Half course (spring term). Hours to be arranged.

To equip the historian with critical and informed approaches to the range, uses, ambiguities, instruments, and computer applications of scientific, diagnostic investigation of art and architecture, potentially in all media and periods. In short: better to know what we are looking at. In collaboration with specialists in the Straus Center.

Note: Expected to be given in 2003–04.

History of Art and Architecture 222. Ottoman Architectural Culture in the Age of Sinan (1539-1589)

Catalog Number: 7639 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Interpretative issues posed by the chief court architect Sinan's monuments extending from the Balkans to the empire's Arab domains. Topics include architectural practice, urbanism, patronage, pious foundations, textual sources, parallels with Renaissance Italy and the Islamic East.

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). M., 3–5. EXAM GROUP: 8, 9

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.

History of Art and Architecture 232. Assyrian Reliefs and the Visual Program of Assyrian Palace Design

Catalog Number: 5269 Enrollment: Limited to 12.

Irene J. Winter

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Inquiry into the sculptural programs of Neo-Assyrian palaces, 9th through 7th c. BCE. Special



attention will be given to historical context and to royal texts as a way to probe the meaning and visual impact of the reliefs.

History of Art and Architecture 246. Byzantium under Siege, Byzantines and the Crusaders

Catalog Number: 0737 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The course will examine the Crusades and their effect on Byzantine culture. We will study primary sources to understand the contemporary views and perceptions of each other and analyze the artistic forms that resulted from this interaction.

Note: Open to qualified undergraduates

History of Art and Architecture 263. Piranesi's Architectural Projections

Catalog Number: 4899 Enrollment: Limited to 12.

Alice G. Jarrard

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

The prints and texts of Giambattista Piranesi (1720-1778) continue to provoke contemplation about architecture and representation. This seminar examines the historiography and historical context of 18th-century Italy, focussing on Piranesi's graphic inventions, theoretical conceptions, European contacts, archaeological contributions, and less familiar publications, while closely studying the works themselves.

History of Art and Architecture 276x. The Art of Expedition in Nineteenth-Century America

Catalog Number: 3049 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Examines the production, collection, and display of expeditionary images and artifacts, treating such themes as ethnography, geology, archaeology, and historiography. Special attention to materials (from paintings to prints to taxidermical specimens) in Harvard's collections.

[History of Art and Architecture 277x. Matisse's Sculpture]

Catalog Number: 0627 Enrollment: Limited to 12.

Yve-Alain Bois

Half course (fall term). Hours to be arranged.

Matisse's small sculptural production represents one of the most inventive aspects of his oeuvre. We will discuss its context (Rodin, Rosso, academic practices) and assess its impact on the development of modern sculpture.

Note: Expected to be given in 2003–04. Field trip to Washington (Hirshorn) and Baltimore (Cone collection)

History of Art and Architecture 277y. Barnett Newman's Art

Catalog Number: 9920 Enrollment: Limited to 12.

Yve-Alain Bois

Half course (fall term). W., 3–6. EXAM GROUP: 8, 9



Neglected or ridiculed until the early sixties, Newman had become a Modern Master when he died in 1970. His remarkably small oeuvre (250 numbers) and its odd reception will be scrutinized.

History of Art and Architecture 279. Semiotics of the Image

Catalog Number: 3644 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

A fresh consideration of the possibilities for semiotic analysis of works of art. Emphasis on critically reading canonical texts by Peirce, Saussure, and others, evaluating particular instances of semiotic analysis within art historical scholarship, and determining the possible usefulness to art historians of recent developments in the study of language and cognition.

History of Art and Architecture 284. The Numinous in Medieval Chinese Art

Catalog Number: 1504 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The course looks at visual representations in tombs, cave shrines, and other media and settings, and explores ways in which the mental topography of the numinous world was variously envisioned in medieval China.

History of Art and Architecture 292. Visual and Alphabetic Literacy in Colonial Latin America

Catalog Number: 9719 Enrollment: Limited to 12.

Thomas B. F. Cummins

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Will examine the relationship between visual literacy (European forms of pictorial representation) and alphabetic literacy (writing and reading) in colonial Latin America and concentrate on the formation of an ideological “middle ground” in which colonial culture was imagined

History of Art and Architecture 296. Critical Issues in African Art Methodology and Historiography

Catalog Number: 9508 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This seminar addresses issues critical to the development and shape of the field of African art history. Among the issues raised are anthropology versus art historical analysis, post-colonial criticism, and issues of museum practice.

History of Art and Architecture 298. The Museum and 'the Other': How Western Institutions Construct Non-Western Worlds

Catalog Number: 0310 Enrollment: Limited to 12.

Janet Catherine Berlo (University of Rochester)

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

We will examine museum representations of Native Americans and Africans, ranging from



anthropological displays in the 1890s to current exhibits , as well as Native and African-American critiques of the Euro-American culture of representation.

Cross-listed Courses

[Afro-American Studies 167. Images of Blacks, Blacks Making Images]

[Afro-American Studies 181. Image of the Black in Western Art](#)

[Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE](#)

[Classical Archaeology 145. The Representation of Women in Ancient Greece](#)

[Classical Archaeology 150. Archaic Greece](#)

[Classical Archaeology 151. Landscape in Classical Art](#)

[Classical Archaeology 153. The Wonders of the Ancient World](#)

[Classical Archaeology 255. In Pausanias' Footsteps: Cities and Sanctuaries in Roman Greece](#)

[Japanese Literature 141. Edo's Spectacular Culture](#)

[Literature and Arts B-21. The Images of Alexander the Great](#)

[Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction](#)

[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 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 100r. Currents: Contemporary Art from 1960 to Yesterday](#)

[*Visual and Environmental Studies 101r. Art and Feminism](#)

[*Visual and Environmental Studies 142r. Landscape Photography: Studio Course](#)

[*Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course](#)

[*Visual and Environmental Studies 146r \(formerly *Visual and Environmental Studies 146br\). The Photographic Portrait: Studio Course](#)

[\[*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 Course\]](#)

[\[*Visual and Environmental Studies 183 \(formerly *Visual and Environmental Studies 155br\). A Cultural Study of Film: Mapping and Fashioning Space: Seminar Course\]](#)

[\[*Visual and Environmental Studies 185 \(formerly *Visual and Environmental Studies 152br\). Italian Cinema: History, Geography, and Identity\]](#)



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, James Cuno 2925 (fall term only), Eugene F. Farrell 1009, Jeffrey F. Hamburger 3800, Alice G. Jarrard 2400 (on leave fall term), Ioli Kalavrezou 2242 (on leave fall term), Deborah Martin Kao 3345, Robin E. Kelsey 4132, Ewa Lajer-Burcharth 3373, Neil Levine 4178, Henry William Lie 2575, David Gordon Mitten 1290, Robert D. Mowry 1958, Gülru Necipoglu-Kafadar 1688, Peter Nisbet 1738, Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407, Betsey A. Robinson 4361, William W. Robinson 2239, David J. Roxburgh 2138, Gwendolyn DuBois Shaw 3799 (on leave 2002-03), Rabun Taylor 4253, Eugene Wang 3600, Cherie A. Wendelken 3471, Irene J. Winter 1955, Stephan S. Wolohojian 2756, and Henri Zerner 3792 (on leave 2002-03)

Individual work in preparation for the General Examination for the Ph.D. degree or, by arrangement, on special topics not included in the announced course offerings.

***History of Art and Architecture 301. Museum Apprenticeship**

Catalog Number: 1912

Marjorie B. Cohn 4468, James Cuno 2925 (fall term only), Ioli Kalavrezou 2242 (on leave fall term), and Henri Zerner 3792 (on leave 2002-03)

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

Note: May not be counted toward course requirements for the Ph.D. degree, but is required before the degree may be granted.

***History of Art and Architecture 310 (formerly *History of Art and Architecture 318).**

Methods and Theory of Art History

Catalog Number: 7879 Enrollment: Limited to 14. Limited to incoming graduate students.

Ewa Lajer-Burcharth 3373

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

***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, James Cuno 2925 (fall term only), Jeffrey F. Hamburger 3800, Alice G. Jarrard 2400 (on leave fall term), Ioli Kalavrezou 2242 (on leave fall term), Robin E. Kelsey 4132, Ewa Lajer-Burcharth 3373, Neil Levine 4178, David Gordon Mitten 1290, Gülru Necipoglu-Kafadar 1688, Jennifer L. Roberts 4407, Betsey A. Robinson 4361, David J. Roxburgh 2138, Gwendolyn DuBois Shaw 3799 (on leave 2002-03), Rabun Taylor 4253, Eugene Wang 3600, Cherie A. Wendelken 3471, Irene J. Winter 1955, and Henri Zerner 3792 (on leave 2002-03)

Note: May not be counted toward course requirements for the Ph.D. degree.



History of Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the History of Science

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*) (*Chair*) (*on leave 2003-04*)

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 (*on leave 2002-03*)

Peter Buck, Senior Lecturer on the History of Science

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 Afro-American Studies (*on leave fall term*)

Anne Harrington, Professor of the History of Science

Sarah Jansen, Assistant Professor of the History of Science (*on leave 2003-04*)

Stephanie H. Kenen, Lecturer on the History of Science

Eric D. Kupferberg, Lecturer on the History of Science

Bruno Latour, Visiting Professor of the History of Science

Everett I. Mendelsohn, Professor of the History of Science (*Director of Undergraduate Studies*)

John E. Murdoch, Professor of the History of Science

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

Charles E. Rosenberg, Ernest E. Monrad Professor of Social Sciences (*on leave 2002-03*)

Rena Elisheva Selya, Lecturer on the History of Science

David Ian Spanagel, Lecturer on the History of Science

Maria J. Trumpler, Lecturer on the History of Science

Other Faculty Offering Instruction in the Department of the History of Science

I. Bernard Cohen, Victor S. Thomas Professor of the History of Science, Emeritus

Donald Fleming, Jonathan Trumbull Research Professor of American History

Owen Gingerich, Research Professor of Astronomy and of the History of Science

Erwin N. Hiebert, Professor of the History of Science, Emeritus

Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus

Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*)



Robb Moss, Rudolf Arnheim Lecturer on Filmmaking
Antoine Picon, Professor of the History of Architecture and Technology (*Design School*)
Barbara Gutmann Rosenkrantz, Professor of the History of Science, Emerita
A. I. Sabra, Research Professor of the History of Arabic Science

The Department of the History of Science oversees the undergraduate concentration in History and Science and provides the degree of A.M. and Ph.D. to properly qualified graduate students. The Department also offers instruction in the history of science to students in other fields.

Distribution Fields (DF) for History of Science graduate students are designated after the course description.

Primarily for Undergraduates

***History of Science 91r. Supervised Reading and Research**

Catalog Number: 1238

Stephanie Kenen and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Programs of directed reading and research to be conducted by a person approved by the Department.

***History of Science 97a. Tutorial — Sophomore Year**

Catalog Number: 4719

Carl William Pearson and members of the Department

Half course (fall term). M., at 7 p.m.

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

David Ian Spanagel, 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

Stephanie Kenen and members of the Department

Full course. Hours to be arranged.

Note: Ordinarily taken by seniors as a full course. Either half year may be taken as a half course, if special permission is obtained. Students are expected to complete a thesis or submit a research paper or other approved project in order to receive course credit.

For Undergraduates and Graduates

History of Science 103. Chinese Medical History

Catalog Number: 1056

Bridie Andrews

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

This course will challenge the concept of a static and traditional “Chinese medicine” by reading translations of texts from different periods and different medical genres (e.g. classical theory, women’s medicine, case study literature, material medica), in the light of recent historical scholarship. The course will also review the history of Chinese medicine in the 20th century, and in particular, its adoption in the West. (DF: M2)

[History of Science 106. History of Ancient Science]

Catalog Number: 3958

John E. Murdoch

Half course (fall term). Hours to be arranged.

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)

Note: Expected to be given in 2003–04.

History of Science 107. History of Medieval Science

Catalog Number: 5071

John E. Murdoch

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

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)

[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 2003–04.

History of Science 130. History of Modern Biology

Catalog Number: 0179

Everett I. Mendelsohn and Sarah Jansen

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Focus on the history of modern biology (1750 - present), from natural history to experimental biology and beyond: Linnaeus, Lavoisier, Lamarck, Darwin, Mendel, Haeckel, Loeb, Wright, Watson and Crick, Ventner, Wilmut. Topics include: function at the level of cells and organisms; invention of species and classification; evolutionary theory and the unification of the life sciences; heredity, population genetics, and eugenics; the rise of experimental physiology, biochemistry, and molecular biology; relations between the field and the laboratory; biology, the physical-chemical sciences, and the reductionist challenge; organisms, machines, and molecules; biology and society; the role of national contexts in scientific work; history of the present - the Human Genome Project, cloning, genetic engineering and biotechnology. (DF:M2)

History of Science 133. Nature, Science, and America: Conference Course

Catalog Number: 3455

David Ian Spanagel

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.



History of Science 135. Races and Populations

Catalog Number: 8079

Sarah Jansen

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course explores 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.

[History of Science 138. Conservation, Ecology, and Environment: Conference Course]

Catalog Number: 2390

Everett I. Mendelsohn

Half course (fall term). Hours to be arranged.

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)

Note: Expected to be given in 2003–04.

[*History of Science 140. Disease and Society]

Catalog Number: 4471

Charles E. Rosenberg

Half course (spring term). Hours to be arranged.

A consideration of changing conceptions of disease during the past two centuries. We will discuss general intellectual trends as well as relevant cultural and institutional variables by focusing in good measure on case studies of particular ills, ranging from cholera to sickle cell anemia to anorexia and alcoholism. (DF:M2)

Note: Expected to be given in 2003–04.

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). M., 2–4. EXAM GROUP: 7, 8

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).

History of Science 143. History of Germs

Catalog Number: 4541

Eric D. Kupferberg

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

The scientific and cultural history of pathogenic and productive microbes, from the 17th century through the Bacteriological Revolution to the present day. Emphasis on responses to epidemic and endemic diseases of humans and animals; the role of microbial life in the production of



wine, cheese, soil fertility, and industrial fermentations; the growing prestige of biomedical science and biotechnology in the 19th and 20th centuries; and the role of social conflict and cultural norms in shaping fears of contagion. (DF:M1,M2)

History of Science 144. Degeneration and Eugenics

Catalog Number: 3148

Stephanie H. Kenen

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

In the later 19th and early 20th centuries, eugenic thinking paralleled fears of degeneration in the preoccupation with the decline of civilization. This course will look at the role of scientific and medical “experts” in promoting both the problem of and the remedy for this perceived decline. Emphasis will be on changing ideas about degeneration, and on proposed programs for regeneration (sports, war, selective breeding). Primary focus on the US and Europe. (DF: M1)

***History of Science 147. Sex, Gender, and Modern Medicine: Conference Course**

Catalog Number: 4221 Enrollment: Limited to 18.

Stephanie H. Kenen

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course will examine historical issues concerning the relationships among sex, gender, and modern medicine. We will look at sex as a subject of scientific study, as well as gender as an analytic category. We will ask how western medical traditions have viewed male and female bodies and defined their health and illnesses accordingly, and how western medicine has defined and policed the erotic relationships between the sexes. Emphasis on 19th- and 20th- century US. (DF:M1,M2)

[*History of Science 151. Cultural History of Medicine]

Catalog Number: 3189 Enrollment: Limited to 18.

Stephanie H. Kenen

Half course (spring term). Hours to be arranged.

This course will examine recent approaches to the history of medicine and the body. Topics will include: the literary genres of the case study (“doctors’ stories”) and the patient’s perspective (“illness narrative”); the use of visual representations in medicine (Illustrations, x-rays, MRIs, photographs); and the body as a subject of historical study and a category of analysis. Emphasis on 19th- and 20th- century US. (DF:M2)

Note: Expected to be given in 2003–04.

History of Science 152. Filming Science

Catalog Number: 1658

Peter L. Galison and Robb Moss

Half course (fall term). Th., 12:30–4, Tu., 2–4. EXAM GROUP: 14, 15

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: Seminar opened to graduate and undergraduate students with permission of instructors.



[History of Science 153. Science and Race]

Catalog Number: 3681

Charis Thompson

Half course (spring term). Hours to be arranged.

Explores sciences *of* race, or the way that science has been used to designate, as well as deny the reality of, racial categories; science *and* race, e.g. Tuskegee, Nazi science, and indigenous people and genetics. Ends with the patterns of and reasons for the racial distribution of scientists over time. Explores sciences *of* race, or the way that science has been used to designate, as well as deny the reality of, racial categories; science *and* race, e.g. Tuskegee, Nazi science, and indigenous people and genetics. Ends with the patterns of and reasons for the racial distribution of scientists over time. (DF:M1)

Note: Expected to be given in 2003–04.

[History of Science 154 (formerly History of Science 154v). Gender and Science]

Catalog Number: 4957

Charis Thompson

Half course (fall term). Hours to be arranged.

Examines: (1) Women in Science (righting the historical record and promoting women and minorities in science). (2) Feminist Epistemology (the gendering of science itself, and the special roles of experience, identity, empathy, and embodiment). (3) The Body, Sexuality, Queer Theory (the sciences of gendered bodies and psychologies, the sciences of sexuality). (4) Gender and Science in Transnational Perspective. (5) Feminist Science and Technology Studies. (DF:M1)

Note: Expected to be given in 2003–04.

[History of Science 155. Science, Race & Society in the US: Conference Course]

Catalog Number: 9785

Evelynn M. Hammonds

Half course (spring term). Hours to be arranged.

This course examines 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 will 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.

Note: Expected to be given in 2003–04.

[History of Science 158v. Description of Active Socio-Technical Controversies](#)

Catalog Number: 1171

Bruno Latour

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

Students will be asked to choose one active controversy dealing with a mixture of scientific, technical, moral and social issues; to work on it during the semester; to offer a map of the various stake holders; an interpretation of its dynamic; and finally a proposition to lead toward its resolution. (DF:M1)

Prerequisite: Requires some knowledge of sociology of 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 2003–04.

***History of Science 161. The Scientific Revolution: Lecture Course**

Catalog Number: 4946

Mario Biagioli

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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 165v. The Scientific Persona: Seminar

Catalog Number: 2682

Lorraine Jenifer Daston

Half course (spring term). W., 4–6. EXAM GROUP: 9

Explores the emergence of a distinctive scientific persona against the background of other cultural types, such as the artisan, the sage, and the magus, from the seventeenth through the twentieth centuries. Sources for the formation of a characteristic scientific habitus will include biographies, autobiographies, and literary works, as well as theoretical work on the history of personhood from cultural history and anthropology. Open to undergraduates as well as graduates. (DF:E3,M1)

History of Science 171. Narrative and Neurology

Catalog Number: 3222

Anne Harrington

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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? This course probes these questions by juxtaposing narratives “about” brain damage with the science “of” brain damage. Readings will 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). Tu., Th., at 9. EXAM GROUP: 11

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: This course, when taken for a letter grade, meets Core area requirements 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 (fall term). Hours to be arranged.

Explores the historical attempt to reconcile our understanding of the human mind - and our fundamental experience of our humanness -- with evolutionary understandings of human origins since Darwin. Organized topically around classic and exemplary debates on the nature and purpose of consciousness, free will, morality, aggression, religion and more. Readings include Darwin, Wallace, Huxley, Spencer, James, Freud, Lorenz, Chardin, and Wilson. Particular attention to social and ethical context and perceived implications of these debates. (DF:M2)

Note: Expected to be given in 2003–04.

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

Catalog Number: 4338

Anne Harrington

Half course (fall term). Hours to be arranged.

An 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)

Note: Expected to be given in 2003–04.

[History of Science 180. Science, Medicine, and Imperialism]

Catalog Number: 3578

Bridie Andrews

Half course (spring term). Hours to be arranged.

Scientific and technological innovations facilitated the expansion of Europe into every continent, and created a world-wide flow of goods, capital and human labor. This course will 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)

Note: Expected to be given in 2003–04.

[History of Science 181. Science, Technology, and Modernity]

Catalog Number: 6978

Robert M. Brain

Half course (spring term). Hours to be arranged.

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)

Note: Expected to be given in 2003–04.

[History of Science 182. Gender in East Asia: Lecture]

Catalog Number: 1762

Bridie Andrews

Half course (spring term). Hours to be arranged.

This course looks at gendered technologies of East Asian history in such fields as agriculture, textile production, domestic labor, and family and cultural production and reproduction. The course will examine the tensions between cultural ideals of female chastity and seclusion and the realities of men's and women's lives through the technologies they used and created. (DF:M1)

Note: Expected to be given in 2003–04.

***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 (spring term). Hours to be arranged.

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)

Note: Expected to be given in 2003–04.

[History of Science 185. Romanticism and the Sciences]

Catalog Number: 3225

Robert M. Brain



Half course (spring term). Hours to be arranged.

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)

Note: Expected to be given in 2003–04.

[History of Science 186. The History of Technology]

Catalog Number: 2147 Enrollment: Limited to 18.

Charis Thompson

Half course (fall term). Hours to be arranged.

This course surveys theories of technology and sociotechnical systems. Technologies of production, destruction, reproduction, and information in different eras are considered, and compared as to the ways they entrain humans, machines, politics, and the market. (DF:M3)

Note: Expected to be given in 2003–04.

Cross-listed Courses

[*Freshman Seminar 43j. Experiment and Persuasion](#)

[*Freshman Seminar 44t. The Atomic Bomb in History and Culture](#)

[*Freshman Seminar 45p. Lucretius, Epicureanism, and Atomism](#)

[*Freshman Seminar 45w. Science and the Holocaust](#)

[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](#)

[\[Women's Studies 110a. Bodies and Boundaries: Conference Course\]](#)

Primarily for Graduates

[*History of Science 200. Methods of Research in the History of Science: Seminar](#)

Catalog Number: 5277

Everett I. Mendelsohn

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

[*History of Science 206r. Ancient Science: Seminar](#)

Catalog Number: 2410

John E. Murdoch

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Topic for 2002-2003: Aristotle's investigation of the problems of infinity and continuity in the *Physics* and his other works in natural philosophy and metaphysics, including consideration of The Pseudo-Aristotelian treatise *On Indivisible Lines*.



***History of Science 207r. Medieval Science: Seminar**

Catalog Number: 8468

John E. Murdoch

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2002-2003: Discussion of the works of William of Ockham on logic, epistemology and natural philosophy and of his interpretation of Aristotle as satisfying the new knowledge claims made by his philosophy. (DF:E2)

Note: Reading knowledge of Latin is not required.

[History of Science 215. Science and Culture in Late Medieval and Renaissance Europe: Seminar]

Catalog Number: 4568

Katharine Park

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2004–05.

History of Science 216. The History of Scientific Experience, 1200-1800: Seminar

Catalog Number: 1881

Lorraine Jenifer Daston and Katharine Park

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the changing place of experience in natural inquiry in both theory and practice. Topics include new instruments, new modes of description, and new spaces, as well as the gendering and classing of scientific experience. (DF:E2,E3)

Prerequisite: Reading knowledge of at least one European language (includes Latin).

History of Science 222. Research in the History and Philosophy of Physical Sciences

Catalog Number: 4178

Peter L. Galison

Half course (spring term). Th., 4–6. EXAM GROUP: 18

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)

Note: Expected to be given in 2003–04.

[History of Science 240. The Body in Sickness and in Health: Seminar]

Catalog Number: 6821

Charles E. Rosenberg

Half course (fall term). Hours to be arranged.

“Sickness” and “health,” notions of inappropriate and appropriate behavior, are determined by conceptions of the body and its proper management. Discussion will focus first upon secondary



studies and subsequently upon students' research. (DF:M2)

Note: Expected to be given in 2003–04.

***History of Science 244. Research in the History of Medical Ethics: Seminar**

Catalog Number: 6301

Allan M. Brandt

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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)

[History of Science 250. Sociologies of Science]

Catalog Number: 6211

Everett I. Mendelsohn

Half course (spring term). Hours to be arranged.

Twentieth-century sociologies of science: traditions of Weber, Mannheim; studies of J. D. Bernal, Robert Merton, Edgar Zilsel, their disciples and critics; influence of European traditions, Elias, Marcuse, Habermas, Bourdieu; emergence of sociology of scientific knowledge, the Edinburgh School and historical sociology of science; themes include institutions, power and politics of knowledge, modes of knowledge production, pure vs. applied sciences, neutrality. (DF:M1)

Note: Expected to be given in 2003–04.

[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 2003–04.

History of Science 259. Theories of Race and/in Science: Seminar

Catalog Number: 9690

Evelynn M. Hammonds

Half course (spring term). M., 4–6. EXAM GROUP: 9

How do we write the history of race and/in science? This course examines the theoretical basis of concepts of race developed by and in modern biology, medicine, epidemiology and anthropology. We will compare these scientific theories to historical, sociological, legal, literary, and philosophical analyses of race from the 18th century to the present. A significant research paper is required.

[History of Science 263. Science and/as Literature]

Catalog Number: 2704



Mario Biagioli

Half course (fall term). Hours to be arranged.

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)

Note: Expected to be given in 2003–04.

History of Science 264. Intellectual Property in Science

Catalog Number: 8570

Mario Biagioli

Half course (fall term). M., 4–6. EXAM GROUP: 9

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 275. “The Minded Body”: Theoretical and Empirical Explorations

Catalog Number: 8536

Anne Harrington

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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)

***History of Science 278. In Search of Mind: Seminar**

Catalog Number: 0304

Anne Harrington

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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).

History of Science 281v. Writing the History of Things

Catalog Number: 6348

Bruno Latour

Half course (spring term). M., 4–6. EXAM GROUP: 9

A writing workshop focused on the key question of writing history. Various literary strategies will be compared philosophical and metaphysical texts will also be studied for comparing the writing resources. (DF:M1)

***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: Foucault**

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: issues of continuity, causality, evidence, authorship, self-hood, material culture. Will use Foucault's meta-historical writings as reference point--along with his engagement with Canguilhem, Sartre, Heidegger, and others. (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. First Meeting Thurs., 01/30/03 at 4:00. (DF:E2)

Prerequisite: Reading knowledge of Latin.

[*History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar]

Catalog Number: 4893

John E. Murdoch

Half course (spring term). Hours to be arranged.

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)

Note: Expected to be given in 2003–04.

Prerequisite: Knowledge of Latin, but no previous experience with palaeography required.

Graduate Courses of Reading and Research

For Science Technology and Public Policy Seminar S482, see the Kennedy School of Government catalog.

***History of Science 300. Direction of Doctoral Dissertations**

Catalog Number: 3388

Mario Biagioli 1756, Allan M. Brandt 3031 (on leave 2003-04), Peter L. Galison 3239, Owen Gingerich 1159, Anne Harrington 1895, Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974 (on leave 2003-04), and Charles E. Rosenberg 3784 (on leave 2002-03)

Note: Under special circumstances arrangements may be made for other instruction in guidance for doctoral theses.

***History of Science 301. Reading and Research**

Catalog Number: 5641

Bridie Andrews 1409, Mario Biagioli 1756, Robert M. Brain 2676 (on leave 2002-03), Allan M.



Brandt 3031 (on leave 2003-04), Peter Buck 1894, I. Bernard Cohen 1185, Donald Fleming 1831, Peter L. Galison 3239, Owen Gingerich 1159, Evelyn M. Hammonds 4545 (on leave fall term), Anne Harrington 1895, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107 (on leave 2003-04), Stephanie H. Kenen 1535, Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974 (on leave 2003-04), Charles E. Rosenberg 3784 (on leave 2002-03), Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, and Charis Thompson 3751 (on leave 2002-03)

Individual work in preparation for the General Examination for the PhD degree.

***History of Science 302. Guided Research**

Catalog Number: 5282

Bridie Andrews 1409, Mario Biagioli 1756, Robert M. Brain 2676 (on leave 2002-03), Allan M. Brandt 3031 (on leave 2003-04), Peter Buck 1894, I. Bernard Cohen 1185, Lorraine Jenifer Daston 4391, Peter L. Galison 3239, Owen Gingerich 1159, Evelyn M. Hammonds 4545 (on leave fall term), Anne Harrington 1895, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107 (on leave 2003-04), Stephanie H. Kenen 1535, Bruno Latour 4349, Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974 (on leave 2003-04), Charles E. Rosenberg 3784 (on leave 2002-03), Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, and Charis Thompson 3751 (on leave 2002-03)

Through regular meetings with faculty advisor, this course will focus on research and writing with the purpose of developing a publishable research paper.

Inner Asian and Altaic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Inner Asian and Altaic Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*)
Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies
William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion
Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*on leave fall term*)
Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
David J. Roxburgh, Associate 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 (*on leave spring term*)

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*)

Thomas N. Bisson, Henry Charles Lea Professor of Medieval History (*on leave fall term*)

Luis E. Cárcamo-Huechante, Assistant Professor 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

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature

Jorge I. Domínguez, Harvard College Professor and the Clarence Dillon Professor of International Affairs

Bradley S. Epps, Professor of Romance Languages and Literatures

Brian D. Farrell, Professor of Biology (*on leave 2002-03*)

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology (*on leave 2002-03*)

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures

Jeffrey Frieden, Stanfield Professor of International Peace (*on leave spring term*)

Mary Gaylord, Sosland Family Professor of Romance Languages and Literatures



James Hanken, Professor of Biology, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology

N. Michele Holbrook, Professor of Biology

Steven R. Levitsky, Assistant Professor of Government and of Social Studies (*on leave fall term*)

Jane E. Mangan, Assistant Professor of History (*on leave 2002-03*)

J. Lorand Matory, Professor of Anthropology and of Afro-American Studies

David H. P. Maybury-Lewis, Edward C. Henderson Professor of Anthropology (*on leave fall term*)

José Antonio Mazzotti, Gardner Cowles Associate Professor of Romance Languages and Literatures (*on leave spring term*)

Doris Sommer, Professor of Romance Languages and Literatures

Diana Sorensen, Professor of Romance Languages and Literatures

Kay B. Warren, Professor of Anthropology (*on leave spring term*)

John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics

The Committee on Latin American and Iberian Studies, established in 1960, forms part of the David Rockefeller Center for Latin American Studies. Its purpose is to coordinate the Center's research and curricular programs that operate solely within the Faculty of Arts and Sciences, including Harvard College and the Graduate School of Arts and Sciences. The Committee presently includes twenty-three members representing nine academic disciplines appointed by the Dean of the Faculty of Arts and Sciences. Harvard students have developed undergraduate programs focused on Latin America in Afro-American Studies, Anthropology, Biology, Environmental Studies, Government, History, History and Literature, Romance Languages and Literatures, Social Studies, and the Special Concentrations program. The Committee itself does not offer an undergraduate concentration or an advanced degree.

The David Rockefeller Center for Latin American Studies, founded in 1994, coordinates and supports research, teaching, and public programs on Latin America and related fields such as the Caribbean, the Iberian peninsula, and the Latin American diaspora in the United States throughout the University. It works to strengthen ties between Harvard and the countries of Latin America and to promote public understanding of the cultures, histories, and societies of this diverse region. The Center's governing bodies and committees include faculty from many faculties, departments, and the professional schools; the Center's annual Directory of Faculty and Professional Staff lists over 150 faculty members, librarians, curators, administrators, and visiting fellows and scholars with substantial Latin American or related interests.

The Center sponsors lectures, seminars, conferences, exhibitions, and other academic and cultural events; supports faculty research; advises students; funds summer research travel grants to graduate, professional, and undergraduate students; manages the competition for Title VI Foreign Language and Area Studies Fellowships for graduate and professional students; hosts visiting scholars and fellows; and administers the Robert F. Kennedy Visiting Professorship of Latin American Studies.

The Center publishes a monthly calendar from September to May; the DRCLAS Newsletter each semester; an annual Guide to Courses that lists over 150 courses on Latin America and related topics at Harvard each year; and the Directory of Faculty and Professional Staff mentioned



above.

The office of the Committee is in 61 Kirkland Street, Cambridge, MA, 02138.

Linguistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Linguistics

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*Chair*)
Veneeta Dayal, Visiting Associate Professor of Linguistics (*Rutgers University*) (*spring term only*)
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*on leave 2003-04*)
C.-T. James Huang, Professor of Linguistics
Susumu Kuno, Professor of Linguistics (*on leave 2002-03*)
Julie Anne Legate, Lecturer on Linguistics
Javier Martin-Gonzalez, Lecturer on Linguistics
Bert Vaux, Associate Professor of Linguistics (*Head Tutor*)
Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics
Jie Zhang, Lecturer on Linguistics

Other Faculty Offering Instruction in the Department of Linguistics

Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology
Wesley M. Jacobsen, Professor of the Practice of the Japanese Language
P. Oktor Skjaervo, Aga Khan Professor of Iranian

See also other course listings under the following departments of languages and literatures: Celtic, the Classics, East Asian, English, Germanic, Near Eastern, Romance, Sanskrit and Indian Studies, and Slavic; Social Analysis 34 (Core); and the linguistic offerings at MIT.

Primarily for Undergraduates

[Linguistics 80. Dialects of English](#)

Catalog Number: 4695

Bert Vaux

Half course (spring term). M., W., at 2. EXAM GROUP: 7

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.

[Linguistics 88. Language and Cognition]

Catalog Number: 5126

Half course (fall term). Hours to be arranged.

What does language tell us about the human brain? We will approach this question from various psycholinguistic and neurolinguistic perspectives: speech perception and perceptual illusions; language disorders; blind sight and split brain effects; brain imaging; neural networks and computer modeling of language. We will also touch on the problems of speech recognition and speech synthesis, focusing on the light that these topics shed on the nature of linguistic knowledge.

Note: Expected to be given in 2003–04.

***Linguistics 91r. Supervised Reading and Research**

Catalog Number: 1100

Bert Vaux 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

Bert Vaux and members of the Department

Half course (fall term; repeated spring term). M., T., W., or Th., 3–5.

Intensive study in a selected linguistic area such as phonology, syntax, historical linguistics, phonetics, morphology, semantics, psycholinguistics, acquisition, sociolinguistics, creole studies, or computational linguistics. Meets as two six-week small-group tutorials, in both the fall and spring terms.

Note: Required of concentrators.

***Linguistics 98a. Group Tutorial — Junior Year**

Catalog Number: 4222

Bert Vaux and members of the Department

Half course (fall term). M., Tu., W., or Th., 3–5.

Meets as two six-week small-group tutorials, both held in the fall term, each covering one of the areas of linguistics listed under Linguistics 97r.

Note: Required of concentrators.

***Linguistics 98b. Tutorial — Junior Year**

Catalog Number: 7273

Bert Vaux and members of the Department



Half course (spring term). Hours to be arranged.

Individual tutorial with a faculty member.

Note: Required of concentrators.

***Linguistics 99. Tutorial — Senior Year**

Catalog Number: 3082

Bert Vaux and members of the Department

Full course. Hours to be arranged.

Individual tutorial with a faculty member for research and writing of the Linguistics honors thesis. Graded Satisfactory or Unsatisfactory. An honors student who expects not to complete the thesis should consult with the Head Tutor about completing other substantial work to receive credit for the course.

Note: Required of honors concentrators.

For Undergraduates and Graduates

Linguistics 110. Introduction to Linguistics

Catalog Number: 1498

Jie Zhang

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

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

C.-T. James Huang

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

An introduction to syntactic theory, analysis and argumentation in the model of generative grammar. Discusses analyses & hypotheses of grammatical structure forming the foundation of current syntactic theory. Emphasis on constituent structure analysis, motivation for transformations, constraints on rule application and conditions on representations. Survey of syntactic phenomena, including argument structure, movement and anaphora.

Linguistics 112b. Intermediate Syntax

Catalog Number: 4730

Julie Anne Legate

Half course (spring term). Tu., Th., F., at 12. EXAM GROUP: 5, 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

Jie Zhang



Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

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.

Linguistics 114. Introduction to Morphology

Catalog Number: 1289

Julie Anne Legate

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to the analysis of word structure. Topics include the place of word formation in relation to phonological and syntactic phenomena, the nature of the lexicon, current theories of morphology. Consideration of morphological issues in acquisition and processing. Emphasis on the analysis of morphological phenomena in a wide range of typologically diverse languages.

Linguistics 115. Introduction to Phonology

Catalog Number: 2791

Jie Zhang

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Analyses of the organization of sounds in the world's languages. Topics include the motivation for phonology as a subject of interest, underlying and surface representations, phonemes and allophones, contrast, alternation, neutralization, phonological rules and their ordering, distinctive features, syllables, and stress.

[Linguistics 116. Semantics]

Catalog Number: 6115

Half course (spring term). Hours to be arranged.

An introductory course on semantic interpretation in natural language. What does it mean to "know the meaning" of an utterance? This course will provide the formal tools to characterize truth-conditional meanings of sentences. Topics to be covered include the relation between form and meaning, ambiguity, reference, the role of context dependency, quantifier scope, and variable-binding.

Note: Expected to be given in 2003–04.

Linguistics 117r. Linguistic Field Methods

Catalog Number: 8401

Julie Anne Legate

Half course (spring term). M., 12–2. EXAM GROUP: 5, 6

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). Hours to be arranged.

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: Expected to be given in 2003–04. No previous knowledge of Japanese required.

[Linguistics 120. Introduction to Historical Linguistics]

Catalog Number: 8486

Jay Jasanoff

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

Linguistics 122. Introduction to Indo-European

Catalog Number: 1336

Jay Jasanoff

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

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.

[Linguistics 123. Indo-European Phonology and Morphology]

Catalog Number: 9259

Jay Jasanoff

Half course (fall term). Hours to be arranged.

Designed as a sequel to Linguistics 122. A detailed overview of Indo-European comparative grammar, with emphasis on recent developments and discoveries.

Note: Expected to be given in 2003–04.

Linguistics 142. Bilingual Grammar

Catalog Number: 9670

Javier Martin-Gonzalez

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Analysis of the phenomenon of bilingualism from the perspective of linguistics as a cognitive science. Special emphasis will be placed on the acquisition of multiple grammatical systems and how they evolve in individuals. Code-switching and the linguistic constraints it is subject to will be considered. 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 158r. From Indo-European to Old Irish

Catalog Number: 3801

Calvert Watkins

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Essentials of Celtic historical and comparative grammar.

Prerequisite: Some acquaintance with either Indo-European or Old Irish.

[Linguistics 168. Introduction to Germanic Linguistics]

Catalog Number: 7925

Jay Jasanoff

Half course (fall term). Hours to be arranged.

A combined introduction to Gothic and the comparative grammar of the older Germanic languages.

Note: Expected to be given in 2003–04.

Linguistics 170. Structure of Hindi

Catalog Number: 8068

Veneeta Dayal (Rutgers University)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

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.

[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 2003–04.

Prerequisite: Linguistics 112a in previous or current semester.

[Linguistics 173. Linguistic Issues in the Teaching of Japanese]

Catalog Number: 4208

Wesley M. Jacobsen

Half course (spring term). 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 2004–05.

Prerequisite: Japanese 101b or its equivalent. Familiarity with basic linguistics concepts desirable.



[Linguistics 174. Tense and Aspect in Japanese]

Catalog Number: 1856

Wesley M. Jacobsen

Half course (spring term). Hours to be arranged.

Examination of phenomena of tense and aspect in Japanese, with special attention to verbal semantics and the interaction of temporal categories with modality and transitivity.

Note: Expected to be given in 2003–04.

Prerequisite: Knowledge of Japanese equivalent to Japanese 101b, or familiarity with the linguistic structure of a non-Indo-European language, or permission of instructor.

Linguistics 176. History of the Japanese Language

Catalog Number: 4861

Wesley M. Jacobsen

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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.

[Linguistics 178. Topics and Methods in Psycholinguistics]

Catalog Number: 1347

Half course (spring term). Hours to be arranged.

This course will discuss selected experimental research on questions of importance to theoretical linguistics, such as: How many “senses” do polysemous words have? How are these “senses” stored in the brain? Is the distinction between derivation and inflection psychologically real? How does language change come about? How do we understand language as rapidly as we do? The goal of the class is to develop a familiarity with commonly-used methods in psycholinguistics.

Note: Expected to be given in 2003–04.

Prerequisite: Linguistics 110 or consent of instructor.

Cross-listed Courses

Classics 190. Approaches to Classical and Indo-European Poetics

English 101. The History and Structure of the English Language

[Greek 134. The Language of Homer]

Latin 134. Archaic Latin

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

Julie Anne Legate

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

The third course in the syntax sequence, focusing on major issues in current syntactic theory. Topics include head movement, case and agreement, anaphora, constraints on movement and derivations.

Prerequisite: Linguistics 112b or permission of instructor.

Linguistics 204r. Topics in Syntax

Catalog Number: 6446

C.-T. James Huang

Half course (spring term). 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). Tu., 1–3. EXAM GROUP: 15, 16

This course will explore issues related to the architecture of the grammar, with emphasis on the structures that are interpreted at the semantic interface, and how they are derived.

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 with respect to their argument selection properties? How are lexical properties projected to syntactic structures? How do languages differ in syntactic structures and what explains the variations? We shall examine these and related issues in light of recent proposals, with emphasis on language variation and the role of functional categories.

Note: Expected to be given in 2003–04.

Linguistics 207. Topics in Semantics

Catalog Number: 8812

Veneeta Dayal (Rutgers University)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Languages vary in the expression of kind-denoting terms. 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 to explain available readings of bare nominals.

Linguistics 215. Phonological Theory

Catalog Number: 5612

Jie Zhang



Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Survey of phonological theory that begins by looking at the properties of rule-based phonology, especially the types of rules, the principles of rule-ordering, opacity, and conspiracy. This discussion will lead to Optimality Theory which will be given thorough consideration.

Linguistics 219r. Advanced Phonology

Catalog Number: 2154

Bert Vaux

Half course (spring term). Th., 4–6. EXAM GROUP: 18

An in-depth examination of the role of phonetics in phonology. A variety of phonetically-driven phonological phenomena will be discussed from both a synchronic and diachronic perspective. Different approaches to phonetics in phonology: rich representation (à la Steriade, Kirchner, Boersma, Zhang), phonetics in history (à la Blevins and Garrett, Ohala, Hyman), and phonetics in learning (à la Hayes). Necessary phonetic background will be provided.

[Linguistics 220ar. Advanced Indo-European]

Catalog Number: 3428

Calvert Watkins

Half course (spring term). Hours to be arranged.

Topics in the comparison of formulaic sequences, and other aspects of Indo-European poetics. Conducted as a seminar.

Note: Expected to be given in 2003–04.

Linguistics 221r. Workshop in Indo-European

Catalog Number: 1008

Jay Jasanoff

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Conducted as a seminar. The topic for the year will be arranged in consultation with interested students.

[Linguistics 223. Comparative Anatolian]

Catalog Number: 2620

Jay Jasanoff and Calvert Watkins

Half course (spring term). Hours to be arranged.

Comparative survey of the synchronic and diachronic grammar of the ancient Indo-European languages of Anatolia, with special attention to nominal and verbal morphology.

Note: Expected to be given in 2003–04.

Linguistics 224. Historical and Comparative Linguistics

Catalog Number: 2967

Jay Jasanoff

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

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.



[Linguistics 225a. Introduction to Hittite]

Catalog Number: 8206

Calvert Watkins

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 2003–04. No previous knowledge of cuneiform presumed.

Linguistics 226r. Advanced Hittite

Catalog Number: 0858

Calvert Watkins

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Grammar and text readings in Cuneiform and Hieroglyphic Luvian.

Note: Provisions will be made for any student who wishes to begin Hittite this semester.

Linguistics 241r. Practicum in Syntax and Phonology

Catalog Number: 4260

C.-T. James Huang

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 and Calvert Watkins

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 2003–04.

Linguistics 250. Old Church Slavonic

Catalog Number: 8449

Michael S. Flier

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

History of the first Slavic literary language, its role in Slavic civilization; phonology, morphology, syntax, and vocabulary of Old Church Slavonic; reading from canonical texts.



[Linguistics 252. Comparative Slavic Linguistics]

Catalog Number: 3571

Michael S. Flier

Half course (spring term). 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 2003–04.

Prerequisite: Linguistics 250.

[Linguistics 291r (formerly Linguistics 291). Functional Approach to Syntax]

Catalog Number: 5046

Susumu Kuno

Half course (spring term). Hours to be arranged.

Discourse-oriented analysis of syntax based on the functional sentence perspective (theme and rheme) and on the “point of view” perspective (the speaker’s attitude toward participants in an event). Examines pronominalization, reflexivization, and various deletion and movement processes.

Note: Expected to be given in 2003–04.

Cross-listed Courses

[Celtic 200. Introduction to Old Irish]

[Celtic 201. Continuing Old Irish]

[Celtic 203r. Middle Irish]

[Celtic 225a. Introduction to Middle Welsh](#)

[Celtic 225b. Continuing Middle Welsh](#)

[*Computer Science 287r. Natural Language Processing]

[Computer Science 288. Computational Models of Discourse](#)

[*Scandinavian 200a. Introduction to Old Norse]

[Semitic Philology 200r. Comparative Semitic Grammar: Seminar]

[Semitic Philology 230. The Early History of Northwest Semitic]

[Slavic 201. Introduction to East Slavic Languages](#)

[Slavic 296r. Slavic Linguistics: Seminar]

Graduate Courses of Reading and Research

***Linguistics 300. Direction of Doctoral Dissertations**

Catalog Number: 6729

Alfonso Caramazza 1871, Veneeta Dayal (Rutgers University) 4341, Michael S. Flier 2878 (on leave 2003-04), C.-T. James Huang 4066, Wesley M. Jacobsen 3443, Jay Jasanoff 1661, Susumu Kuno 1083 (on leave 2002-03), Julie Anne Legate 4550, P. Oktor Skjaervo 2869, Bert Vaux 1452, and Calvert Watkins 2553

***Linguistics 301. Reading or Special Topics Course**

Catalog Number: 0861

Members of the Department and others listed under Linguistics 300.



Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Literature

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*Chair*)
 Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and
 Professor of Comparative Literature, Curt Hugo Reisinger Professor of Slavic Languages and
 Literature and Professor of Comparative Lit. (*on leave fall term*)
 Julie A. Buckler, Harris K. Weston Associate 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
 James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
 (*on leave spring term*)
 Bradley S. Epps, Professor of Romance Languages and Literatures
 Marjorie Garber, William R. Kenan, Jr. Professor of English
 Luis M. Girón Negrón, Assistant Professor of Comparative Literature and of Romance
 Languages and Literatures (*on leave spring term*)
 John T. Hamilton, Assistant Professor of Comparative Literature and Literature
 Oren Jeremy Izenberg, Assistant Professor of English and American Literature and Language
 (*on leave 2002-03*)
 Despina Kakoudaki, Assistant Professor of Comparative Literature and of Literature (*on leave*
2003-04)
 James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature
 and Professor of Comparative Literature (*on leave fall term*)
 Avi Matalon, Instructor in Near Eastern Languages and Civilizations (*on leave spring term*)
 Christie McDonald, Smith Professor of French Language and Literature
 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, Associate of Adams House, James Bryant Conant University Professor (*on leave*
2002-03)
 John M. Picker, Assistant Professor of English and American Literature and Language
 Eric Rentschler, Professor of German
 Judith Ryan, Harvard College Professor and Robert K. and Dale J. Weary Professor of German
 and Comparative Literature
 Sharmila Sen, Assistant Professor of English and American Literature and Language
 Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English



Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature
William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature
Justin Weir, Assistant Professor of Slavic Languages and Literatures (*on leave spring term*)

Other Faculty Offering Instruction in the Literature Concentration

Verena A. Conley, Visiting Professor of Literature (*on leave fall term*)
Leland P. Deladurantaye, Lecturer on Comparative Literature
Rita B. Goldberg, Lecturer on Literature
Melinda G. Gray, Lecturer on Literature
Christopher Dean Johnson, Lecturer on Literature, Teaching Assistant in Romance Languages and Literatures
Heather K. Love, 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 semester of Literature 97a is required of all concentrators in their sophomore year.

***Literature 97b. Tutorial — Sophomore Year**

Catalog Number: 4595

Sandra Naddaff and members of the Committee and Tutorial Board
Half course (spring term). Hours to be arranged.

Note: Successful completion of one semester of Literature 97b is required of all concentrators in their sophomore year.

***Literature 98a. Tutorial — Junior Year**

Catalog Number: 3119

Sandra Naddaff and members of the Committee and Tutorial Board
Half course (fall term). Hours to be arranged.

Note: Successful completion of one semester of Literature 98a is required of all concentrators in their junior year.



***Literature 98b. Tutorial — Junior Year**

Catalog Number: 1528

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (spring term). Hours to be arranged.

Note: Successful completion of one semester of Literature 98b is required of all concentrators in their junior year.

***Literature 99a. Tutorial — Senior Year**

Catalog Number: 4857

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term). Hours to be arranged.

Note: Successful completion of one semester of Literature 99a is required of all concentrators in their senior year.

***Literature 99b. Tutorial — Senior Year**

Catalog Number: 1290

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (spring term). Hours to be arranged.

Note: Successful completion of one semester of Literature 99b is required of all concentrators in their senior year.

For Undergraduates and Graduates

[*Literature 100. Narrative Forms]

Catalog Number: 5556 Enrollment: Limited to 15.

Sandra Naddaff

Half course (fall term). Hours to be arranged.

An examination and analysis of narrative techniques and strategies in a variety of texts ranging from simple to complex narrative forms. Texts from different narrative contexts and cultures will be considered and will include the *1001 Nights*, *The Odyssey*, *Don Quixote*, *Pamela*, *Madame Bovary*, *The Sound and The Fury*, and *Season of Migration to the North*, as well as important works of narrative theory.

Note: Expected to be given in 2003–04.

Literature 105. Introduction to the Theory of Sexuality

Catalog Number: 8139

Heather K. Love

Half course (spring term). Tu., Th., at 12., and a weekly section to be arranged. EXAM GROUP: 14

An introduction to several key concepts in the history and theory of sexuality. The course will be interdisciplinary in approach, with readings in queer theory, cultural studies, psychoanalysis, the social sciences, literature and the visual arts. We will also consider contemporary queer cultural production (film, zines, performance, etc.). Special attention to the relation between gender and sexuality; queer historiography; global sexualities; gay pride and gay shame; and transgender studies.



[Literature 107. Introduction to the Study of Film]

Catalog Number: 4249

Despina Kakoudaki

Half course (spring term). 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 2003–04.

***Literature 109. On Translation**

Catalog Number: 0594 Enrollment: Limited to 20.

Sandra Naddaff

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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 Odyssey*, and *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: 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). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

***Literature 111. The End of Experience: Literature and Experience in European Thought of the 1920's**

Catalog Number: 7468 Enrollment: Limited to 20.

Leland P. Deladurantaye

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This course will examine a constellation of literary, philosophical and sociological questions surrounding a change in the status of experience in the years directly following the first World War. Readings will include, but will not be limited to, Benjamin, Joyce, Woolf, Proust, Musil, Kafka, Valéry, and Freud.



Literature 112. Egypt in the European Imaginary

Catalog Number: 1742

John T. Hamilton

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

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.

***Literature 114. Friendship**

Catalog Number: 2780 Enrollment: Limited to 15.

Heather K. Love

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

An introduction to the history and philosophy of friendship. We will consider friendship in relation to eros and same-sex desire; as a mode of political thought; and in relation to questions of representation and truth. We will reflect at length on recent queer rethinkings of friendship “as a way of life.” Readings by: Plato, Aristotle, Montaigne, Pater, Whitman, Nietzsche, Wilde, James, Conrad, Genet, Bowen, Bataille, Derrida, Foucault, Blanchot, Morrison, Sedgwick, Bersani, and others.

***Literature 117. Studies in Film Genre: Melodrama**

Catalog Number: 8770 Enrollment: Limited to 40.

Despina Kakoudaki

Half course (spring term). Th., 3–5 and a weekly film screening, Tu., 3–5:30. EXAM GROUP: 17, 18

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.

[*Literature 122. Literature and Music]

Catalog Number: 2360 Enrollment: Limited to 20.

Sandra Naddaff

Half course (spring term). Hours to be arranged.

Explores the intersection of literary texts and genres with musical forms and themes in a number of different contexts. Topics include such issues as the adaptation of text into music; the thematization of music in narrative; the Broadway musical; and 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: Expected to be given in 2003–04. 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). Th., 1–3. EXAM GROUP: 15, 16

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).

[*Literature 125. Literature, Technology, and the Body]

Catalog Number: 5958 Enrollment: Limited to 20.

Verena A. Conley

Half course (fall term). Hours to be arranged.

Focuses on the relation between literature, technology and the body. How does the evolution of technologies affect representations of the body? How does it rewrite the limit between humans and the machine? Special attention will be given to the construction of gender. Studies questions through literature (Hoffman, James, Villiers de l'Isle Adam, Woolfe, Burroughs, Cixous, Powers, Gibson), film (Potter, Scott) and theory (Heidegger, Haraway, Plant).

Note: Expected to be given in 2003–04.

***Literature 129. Reading the 18th Century Through 20th-Century Eyes**

Catalog Number: 5600 Enrollment: Limited to 15.

Christie McDonald

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Why read texts from the French Enlightenment today and how? Analysis of novels, plays, media events, and films of the 18th and 20th centuries that revisit key questions: the present in its relationship to the past; what constitutes change? Topics include textual rewritings and continuing controversies around the individual, the family, the state, and society; pornography and reproduction; opinion and the media. Readings include works by Beaumarchais, Diderot, Franklin, Kant, Rousseau, Sade, Beauvoir, Blanchot, Boyd, Foucault, Kundera, Shine, Weiss.

[*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 2003–04. Preference given to Literature concentrators

***Literature 133. Poets as Critics**

Catalog Number: 4927 Enrollment: Limited to 15.

Barbara E. Johnson

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Often one expects a course on poets as critics to be a form of resistance to theory, but we will attempt to see to what extent theory in fact comes from the poets in the first place. The course



will thus focus directly on the uneasy but necessary relations between the aesthetic and the theoretical.

***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). Th., 1–3. EXAM GROUP: 15, 16

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, Djébar, Julien, Kassovitz) and theory (de Certeau, Fanon, Derrida, Said).

Cross-listed Courses

[Chinese Literature 132. Chinatowns]

[Chinese Literature 150. Diaspora and Transnationalism]

[Chinese Literature 228. Asian Modernities: An Introduction to Critical and Cultural Theories]

[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 143. Originality and OULIPO

[Comparative Literature 158. Turning the Century: Culture, Technology, and Representation, 1870-1910]

[Comparative Literature 165. The Holocaust and Problems of Representation]

Comparative Literature 167. Contemporary Fiction: The Novel After Theory

[Comparative Literature 168. Literature and Film]

Comparative Literature 174. American Babel

[Comparative Literature 182. Comparative Cultures of Money]

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 215. Melopoeia: On German Music and Letters: Seminar]

***Comparative Literature 227. Fictions of Kin and Kind in the Renaissance: Seminar**

[*Comparative Literature 260. Literature and Exile: Seminar]

***Comparative Literature 261. Memory and Modernity: Seminar**

[Comparative Literature 265. Vision in Motion: Approaching Early Cinema]

Comparative Literature 268. Germany and the Greeks: Philhellenism from Winckelmann to George (1755-1914).

[*Comparative Literature 269. Paralysis: Seminar]

[Comparative Literature 275. Theory of Narrative: Conference Course]

[*Comparative Literature 283. Language War: Seminar]

[*Comparative Literature 285. Comparative Romantic Theory: Seminar]



[*Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar]
[English 167p. Postcolonial Narratives]
[English 190. Major Critical Approaches](#)
[English 195m. Money Talks](#)
[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 270. War and Memory: Representations of World War II and the Occupation in Postwar French Literature, History and Film](#)
[French 271. Legacies of Poststructuralism: An Introduction]
[French 279. Spatial Textures of Critical Theory](#)
[German 151. Franz Kafka: Modernity and Its Discontents](#)
[Jewish Studies 113. Self and Society in Jewish Literature](#)
[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](#)
[Slavic 143. Russian Formalism]
[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 on Mathematics, Temporary in Continuing Ed
Laurent Berger, Benjamin Peirce Assistant Professor of Mathematics
Manjul Bhargava, Visiting Assistant Professor of Mathematics (*Princeton University*) (*spring term only*)
John Boller, Preceptor in Mathematics
Alexander Braverman, Benjamin Peirce Assistant Professor of Mathematics (*on leave spring term*)
Kevin Buzzard, Visiting Lecturer on Mathematics (*Imperial College*) (*fall term only*)
Francesco Calegari, Benjamin Peirce Assistant Professor of Mathematics



Albert Chau, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2003-04*)
 Christophe Cornut, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2002-03*)
 Stephen DeBacker, Benjamin Peirce Assistant Professor of Mathematics
 Nathan Dunfield, Benjamin Peirce Assistant Professor of Mathematics
 Lawrence Man Hou Ein, Visiting Professor of Mathematics (*University of Illinois*) (*fall term only*)
 Noam D. Elkies, Professor of Mathematics, Associate of Lowell House (*on leave spring term*)
 Andrew Engelward, Preceptor in Mathematics
 Daniel L. Goroff, Professor of the Practice of Mathematics
 Robin Gottlieb, Senior Preceptor in Mathematics
 Benedict H. Gross, George Vasmer Leverett Professor of Mathematics, Dean of Undergraduate Education
 Michael J. Hopkins, Visiting Professor of Mathematics (*Massachusetts Institute of Technology*) (*spring term only*)
 Thomas William Judson, Preceptor in Mathematics
 Kalle Karu, Benjamin Peirce Assistant Professor of Mathematics
 David Kazhdan, Perkins Professor of Mathematics (*on leave 2002-03*)
 Oliver Knill, Preceptor in Mathematics
 Peter B. Kronheimer, Professor of Mathematics
 John F. Mackey, Preceptor in Mathematics
 Laura Felicia 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*)
 Mircea Mustata, Visiting Lecturer on Mathematics (*Cambridge University*)
 Andreea C. Nicoara, Benjamin Peirce Assistant Professor of Mathematics
 Mihnea Popa, Benjamin Peirce Assistant Professor of Mathematics (*on leave fall term*)
 Weiyang Qiu, Benjamin Peirce Assistant Professor of Mathematics
 Gerald E. Sacks, Professor of Mathematical Logic (*on leave spring term*)
 Wilfried Schmid, Dwight Parker Robinson Professor of Mathematics (*on leave fall term*)
 Yum Tong Siu, William Elwood Byerly Professor of Mathematics (*on leave 2002-03*)
 William A. Stein, Benjamin Peirce Assistant Professor of Mathematics
 Shlomo Z. Sternberg, George Putnam Professor of Pure and Applied Mathematics (*on leave spring term*)
 Clifford Taubes, William Petschek Professor of Mathematics (*Director of Undergraduate Studies*)
 Richard L. Taylor, Herchel Smith Professor of Mathematics (*Director of Graduate Studies*) (*on leave 2002-03*)
 Dylan Paul Thurston, Benjamin Peirce Assistant Professor of Mathematics
 Dale Winter, Preceptor in Mathematics
 Sijue Wu, Visiting Associate Professor of Mathematics, Visiting Scholar in Mathematics (*University of Maryland*) (*fall term only*)
 Shing-Tung Yau, William Casper Graustein Professor of Mathematics (*on leave spring term*)
 Jessica Young, Visiting Lecturer on Mathematics (*MIT*) (*spring term only*)

Other Faculty Offering Instruction in the Department of Mathematics



Raoul Bott, William Caspar Graustein Research Professor of Mathematics (*fall term only*)

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-semester sequence which integrates calculus and precalculus material and prepares students to enter Mathematics 1b.

There are a number of options available for students whose placement is to Mathematics 21. For example, Mathematics 19 can be taken either before or after Mathematics 21 (or Mathematics 20). Mathematics 19 covers modeling and differential equation topics for students interested in biological and other life science applications. Mathematics 20 covers selected topics from Mathematics 21a and 21b for students particularly interested in economic and social science applications.

Mathematics 23 is a theoretical version of Mathematics 21 which treats multivariable calculus and linear algebra in a rigorous, proof oriented way. Mathematics 25 and 55 are theory courses that should be elected only by those students who have a particular interest in, and commitment to, mathematics. They assume a solid understanding of one-variable calculus and a willingness to think rigorously and abstractly about mathematics, and to work extremely hard. Both courses study multivariable calculus and linear algebra plus many very deep related topics. Mathematics 25 differs from Mathematics 23 in that the work load in Mathematics 25 is significantly more than in Mathematics 23, but then Mathematics 25 covers more material. Mathematics 55 differs from Mathematics 25 in that the former assumes a very strong proof oriented mathematics background.

Placement in Mathematics 21b, 23a, 25a, and more advanced courses is based on material not covered in the placement examinations. Students who have had substantial preparation beyond the level of the Advanced Placement Examinations are urged to consult the Department concerning their proper placement in mathematics courses. Students should take this matter very seriously and solicit advice from faculty members in the Mathematics Department. The Department has also prepared a pamphlet with a detailed description of all its 100-level courses and their relationship to each other. This pamphlet gives sample lists of courses suitable for



students with various interests. It is available at the Department Office. Many 100-level courses assume some familiarity with proofs. Courses that fulfill this prerequisite include Mathematics 23, 25, 55, 101, 102, 112, 121, 141. Of these, note that Mathematics 101 and 102 may be taken concurrently with Mathematics 1, 19, 20, or 21.

The Department does not grant formal degree credit without *prior* approval for taking a course that is listed as a prerequisite of one you have already taken. Our policy is that a student who takes and passes any calculus course is not normally permitted to then take a more elementary course for credit. A student who has passed Mathematics 21a, for example, will normally not be allowed to take Mathematics 1a, or 1b for credit. The Department is prepared to make exceptions for sufficient academic reasons; in each case, however, a student must obtain written permission from the Head Tutor in advance.

In the case of students accepting admission as sophomores, this policy is administered as follows: students counting one half course of advanced standing credit in mathematics are deemed to have passed Mathematics 1a, and students counting a full course of advanced standing credit in mathematics are deemed to have passed Mathematics 1a and 1b.

Primarily for Undergraduates

Mathematics Xa. Introduction to Functions and Calculus I

Catalog Number: 1981 Enrollment: Normally limited to 15 students per section.

Dale Winter 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: Wednesday, September 18, 8:00 am, Science Center C. 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.

Dale Winter and members of the Department

Half course (spring term). Section I: M., W., F., at 10; Section II: M. W., F., at 11; Section III: M., W., F., at 12 (with sufficient enrollment); and a twice weekly lab session to be arranged.

EXAM GROUP: 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.

John F. Mackey, Laurent Berger, and members of the Department (fall term); John F. Mackey and members of the Department (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1. Spring: Section I, M., W., F., at 10; Section II, Tu.Th. 10-11:30 (with sufficient enrollment) and a weekly problem session 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 17, 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.

Robin Gottlieb, Albert Chau (fall term); Robin Gottlieb, Dylan Thurston (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 session 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 for fall: Tuesday, September 17, 8:30 am, Science Center C. Required first meeting in spring: Wednesday, January 29, 8:30 am, Science Center C. 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 William Judson

Half course (fall term). M., W., F., at 1, and a weekly problem session to be arranged. EXAM

**GROUP: 6**

Considers the construction and analysis of mathematical models that arise in the environmental sciences, biology, the ecological sciences, and in earth and atmospheric sciences. Introduces mathematics that includes multivariable calculus, differential equations in one or more variables, vectors, matrices, and linear and non-linear dynamical systems. Taught via examples from current literature (both good and bad).

Note: Can be taken with or without Mathematics 21a,b. Students with interests in the social sciences and economics might consider Mathematics 20. This course can be taken before or after Mathematics 20. 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

John F. Mackey

Half course (fall term; repeated spring term). Fall: M., W., F., at 9, Spring: M., W., F., at 9, and a weekly problem session to be arranged. EXAM GROUP: 2

Introduction to linear algebra, including vectors, matrices, and applications. Calculus of functions of several variables, including partial derivatives, constrained and unconstrained optimization, and applications.

Note: Covers the topics from Mathematics 21a,b which are most important in applications to economics, the social sciences, and some other fields. Should not ordinarily be taken in addition to Mathematics 21a,b. Examples drawn primarily from economics and the social sciences though Mathematics 20 may be useful to students in certain natural sciences. 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.

Daniel L. Goroff, Alexander Braverman (fall term), Oliver Knill, and Mihnea Popa

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1; and a weekly problem session to be arranged. Required exams: Hours to be arranged. EXAM GROUP: 1

To see how calculus applies in practical situations described by more than one variable, we study: Vectors, lines, planes, parameterization of curves and surfaces; Partial derivatives, directional derivatives, and the gradient; Optimization and critical point analysis, including constrained optimization and the Method of Lagrange Multipliers; Integration over curves, surfaces, and solid regions using Cartesian, polar, cylindrical, and spherical coordinates; Divergence and curl of vector fields; and the Green's, Stokes', and Divergence Theorems.

Note: Required first meeting in fall: Wednesday, September 18, 8:00 am, Science Center C. Required first meeting in spring: Wednesday, January 29, 8:00 am, Science Center B. 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 semester. The biochemistry/social sciences sections treat topics in probability and statistics in lieu of Green's, Stokes' and the Divergence Theorems.

Prerequisite: Mathematics 1b or equivalent.

Mathematics 21b. Linear Algebra and Differential Equations

Catalog Number: 1771 Enrollment: Normally limited to 30 students per section.

Andrew Engelward, Thomas Judson (fall term); Thomas Judson, Kalle Karu, Peter B.

Kronheimer (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. Spring: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12 (with sufficient enrollment); Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1; and a weekly problem session to be arranged. EXAM GROUP: Fall: 2; Spring: 12, 13

By working with vectors and matrices, linear algebra provides the structure for solving problems that arise in practical applications ranging from Markov processes to optimization and from Fourier series to statistics. To understand how, we develop thorough treatments of: euclidean spaces, including their bases, dimensions and geometry; and linear transformation of such spaces, including their determinants, eigenvalues, and eigenvectors. These concepts will be applied to solve dynamical systems, including both ordinary and partial differential equations.

Note: Required first meeting in fall: Tuesday, September 17, 8:30 am, Science Center A.

Required first meeting in spring: Wednesday, January 29, 8:30 am, Science Center D. May not be taken for credit by students who have passed Applied Mathematics 21b. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent. Mathematics 21a is commonly taken before Mathematics 21b, but is not a prerequisite, although familiarity with partial derivatives is useful.

Mathematics 23a. Theoretical Linear Algebra and Multivariable Calculus I

Catalog Number: 2486

John Boller

Half course (fall term). M., W., F., at 11, and a one-hour conference section to be arranged.

EXAM GROUP: 4

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 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

Mihnea Popa

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

A rigorous treatment of linear algebra, point-set and metric topology, and the calculus of functions in n variables. Emphasis placed on careful reasoning, and on learning to understand and construct proofs.

Note: This course should only be elected by students with a strong interest and background in mathematics. May not be taken for credit after Mathematics 23.

Prerequisite: A 5 on the Advanced Placement BC-Calculus Examination, or the equivalent as determined by the instructor.

Mathematics 25b. Honors Multivariable Calculus and Linear Algebra

Catalog Number: 1590

Mihnea Popa

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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

Noam D. Elkies

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

Noam D. Elkies

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: Open only to candidates for honors in Mathematics who obtain the permission of both the faculty member under whom they want to work and the Director of Undergraduate Studies. May not count for concentration in Mathematics without special permission from the Director of Undergraduate Studies. Graded SAT/UNS only.

***Mathematics 91r. Supervised Reading and Research**

Catalog Number: 2165

Clifford Taubes

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 17

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 2002-03: (1) Curves and Surfaces (fall) Prerequisite: one semester of one of the following: topology (Math 131), algebra (Math 122) or complex analysis (Math 113). (2) Complex Dynamics (fall) Prerequisite: complex analysis (Math 113). (3) K-Theory and its Applications (spring) Prerequisites: algebra at the level of Math 122, and topology at the level of Math 131 or manifolds at the level of Math 134 or 135. (4) Quantum Mechanics for the Masses and the Massless (spring) Prerequisites: multivariable calculus, linear algebra and comfort with reading and writing rigorous mathematics.

Note: May be repeated for course credit with permission from the Director of Undergraduate Studies. Only one tutorial may count for concentration credit. Students must register their interest in taking a tutorial with the Assistant Director of Undergraduate Studies by the second day of the semester in which the tutorial is offered.

For Undergraduates and Graduates

See also Applied Mathematics and Statistics.

Mathematics 101. Sets, Groups and Topology

Catalog Number: 8066

Stephen DeBacker

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to rigorous mathematics, axioms, and proofs, via topics such as set theory, symmetry groups, and low-dimensional topology.

Note: Acquaintance with algebra, geometry and/or calculus is desirable. Students who have already taken Mathematics 25a,b or 55a,b should not take this course for credit.

Prerequisite: An interest in mathematical reasoning.



Mathematics 102. Methods of Discrete Mathematics

Catalog Number: 8389

Paul G. Bamberg

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to rigorous mathematics and proof drawing on topics from group theory, graph theory, combinatorics, and number theory. We explore how proofs are discovered and refined through observation, conjecture, and verification. As one component of this investigation, we will use Mathematica to explore interesting and otherwise intractable examples to develop computer-aided proofs.

Note: Acquaintance with Calculus is desirable. Students who have taken Mathematics 25ab or Mathematics 55ab should not take this course for credit. This course is designed to fulfill the goals of Mathematics 101.

Prerequisite: Mathematics 21b or equivalent. The student should also have some familiarity with some computer language though no prior familiarity with Mathematica will be assumed.

Mathematics 112. Real Analysis

Catalog Number: 1123

Laura Felicia Matusevich

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An introduction to mathematical analysis and the theory behind calculus. An emphasis on learning to understand and construct proofs. Covers limits and continuity in metric spaces, uniform convergence and spaces of functions, the Riemann integral, sets of measure zero and conditions for integrability.

Prerequisite: Mathematics 21a,b or 23a,b, and either an ability to write proofs or concurrent enrollment in Mathematics 101. Should not ordinarily be taken in addition to Mathematics 25a,b or 55a,b.

Mathematics 113. Complex Analysis

Catalog Number: 0405

Francesco Calegari

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Analytic functions of one complex variable: power series expansions, contour integrals, Cauchy's theorem, Laurent series and the residue theorem. Some applications to real analysis, including the evaluation of indefinite integrals. 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 2003–04. Mathematics 115 is especially for students interested in physics.

Prerequisite: Mathematics 21a,b, 23a,b, or 25a,b, and permission of instructor.



Mathematics 118r. Dynamical Systems

Catalog Number: 6402

Sijue Wu (University of Maryland)

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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.

Prerequisite: Mathematics 21a,b.

[Mathematics 119. Partial Differential Equations and Applications]

Catalog Number: 7326

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Partial differential equations with constant coefficients, hyperbolic elliptic, and parabolic equations, Fourier analysis, Green's function.

Note: Expected to be given in 2003–04.

Prerequisite: Familiarity with functions of a complex variable.

Mathematics 121. Linear Algebra and Applications

Catalog Number: 7009

Kalle Karu

Half course (fall 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 linear programming, game theory and optimization theory. Emphasizes learning to understand and write proofs.

Prerequisite: Mathematics 21a,b or equivalent. Should not ordinarily be taken in addition to Mathematics 23a,b, 25a,b, or 55a,b.

Mathematics 122. Abstract Algebra I: Theory of Groups and Vector Spaces

Catalog Number: 7855

Curtis T. McMullen

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the theory of groups and group actions, with emphasis on finite groups and matrix groups. Sylow theorems. A short introduction to rings and fields. Vector spaces and linear transformations. Bilinear forms: symmetric, Hermitian, and skew-symmetric forms.

Prerequisite: Mathematics 21b and the ability to write proofs as in Mathematics 101, 121, or the equivalent.

Mathematics 123. Abstract Algebra II: Theory of Rings and Fields

Catalog Number: 5613

Peter B. Kronheimer

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Rings, ideals, and modules; unique factorization domains, principal ideal domains and Euclidean domains and factorization of ideals in each; structure theorems for modules; fields, field extensions. Automorphism groups of fields are studied through the fundamental theorems of



Galois theory.

Prerequisite: Mathematics 122.

Mathematics 124. Number Theory

Catalog Number: 2398

William A. Stein

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Factorization and the primes; congruences; quadratic residues and reciprocity; continued fractions and approximations; Pell's equation; selected Diophantine equations; theory of integral quadratic forms.

Prerequisite: Mathematics 122 (which may be taken concurrently) or equivalent.

Mathematics 126. Representation Theory and Applications

Catalog Number: 0369

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

Dylan Paul Thurston

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

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

Laurent Berger

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Number fields, Galois theory, ideal class groups, Dirichlet unit theorem, zeta functions, with specific attention to simple examples.

Prerequisite: Mathematics 122 and 123.

Mathematics 131. Topology

Catalog Number: 2381

Nathan Dunfield

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Basic notions of point set topology such as continuity, compactness, metrizability. Algebraic topology including fundamental groups, covering spaces, and higher homotopy groups.

Applications to the theory of knots.

Prerequisite: Some acquaintance with metric space topology (Mathematics 25a,b, 55a,b, 101, or 112) and with groups (Mathematics 101 or 122).



Mathematics 134. Calculus on Manifolds

Catalog Number: 7150

Kalle Karu

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Generalization of multivariable calculus to the setting of manifolds in real n -space, as used in the study of global analysis and geometry. Differentiable mappings of linear spaces, the inverse and implicit function theorems, differential forms, integration on manifolds, the general version of Stokes's theorem, integral geometry, applications.

Prerequisite: Mathematics 21a,b and familiarity with proofs as in Mathematics 101, 112, 121, or the equivalent.

[Mathematics 135. Differential Topology]

Catalog Number: 2107

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Smooth manifolds, intersection theory, vector fields, Hopf degree theorem, Euler characteristic, De Rham theory.

Note: Expected to be given in 2003–04.

Prerequisite: Mathematics 23a,b, 25a,b, 55a,b, or 134.

Mathematics 136. Differential Geometry

Catalog Number: 1949

Weiyang Qiu

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

Jessica Young (MIT)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 not equal to NP.

Note: Expected to be given in 2003–04.

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). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Axioms of set theory. Gödel's constructible universe. Consistency of the axiom of choice and of the generalized continuum hypothesis. Cohen's forcing method. Independence of the AC and GCH.

Prerequisite: Any mathematics course at the level of 21a or higher, or permission of instructor.

Mathematics 191. Mathematical Probability

Catalog Number: 4306

Nathan Dunfield

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to probability theory. Discrete and continuous random variables; univariate and multivariate distributions; conditional probability. Weak and strong laws of large numbers and the central limit theorem. Elements of stochastic processes: the Poisson process, random walks, and Markov chains.

Prerequisite: Any mathematics course at the level of Mathematics 21a,b or higher.

[Mathematics 192r. Algebraic Combinatorics]

Catalog Number: 6612



Half course (fall term). Hours to be arranged.

This course will enable students to be able to conduct original research in low-dimensional combinatorics. Methods taught will include recurrence relations (linear and non-linear), transfer matrices, and generating functions; topics include frieze patterns, number walls and tilings. There will be an emphasis on discovery and the use of computers.

Note: Expected to be given in 2003–04. 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 21e. Dynamics, Geometry, and Randomness](#)

[*Freshman Seminar 21n. Mathematical and Computational Aspects of Elliptic Curves](#)

[*Freshman Seminar 21u. Calculating Pi](#)

Primarily for Graduates

[Mathematics 206. Lie Groups and Lie Algebras](#)

Catalog Number: 8330

Wilfried Schmid

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Review of the basic results on Lie groups and Lie algebras, structure of compact Lie groups, finite dimensional representations, Borel-Weil-Bott theorem.

[Mathematics 207a. Representation Theory of Reductive p-adic Groups I](#)

Catalog Number: 7436

Stephen DeBacker

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

A study of the smooth, or algebraic, representations of a reductive p-adic group. Topics include: parabolic induction, the Jacquet restriction map, Langlands' classification of tempered representations, the Bernstein decomposition, and related ideas.

[Mathematics 207b. Representation Theory of Reductive p-adic Groups II](#)

Catalog Number: 8445

Stephen DeBacker

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

A study of harmonic analysis on reductive p-adic groups and their Lie algebras. Topics include: how to define the relevant objects, Howe's finiteness conjectures, local integrability questions, stability questions, and related ideas.

[Mathematics 212a. Functions of a Real Variable](#)

Catalog Number: 5446

Clifford Taubes



Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A review of measure theory and integration, then a discussion of Banach and Hilbert spaces and operators between them with function spaces, differential and integral operators as examples.

Prerequisite: Experience with courses involving rigorous proofs: e.g., Mathematics 25a,b, 112, 122.

Mathematics 212b. Functions of a Real Variable

Catalog Number: 7294

Clifford Taubes

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Continuation of Mathematics 212a. Techniques for analyzing differential equations and the behavior of their solutions.

Prerequisite: Mathematics 212a.

Mathematics 213a. Functions of One Complex Variable

Catalog Number: 1621

Andreea C. Nicoara

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

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

Andreea C. Nicoara

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

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 230ar. Differential Geometry

Catalog Number: 0372

Raoul Bott

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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

Albert Chau

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Topics in Riemannian geometry, Kähler geometry, Hodge theory, and Yang-Mills theory.

Note: Continuation of Mathematics 230ar.

Prerequisite: Differential Topology.



Mathematics 236. Topics on Mirror Manifolds

Catalog Number: 5056

Shing-Tung Yau

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

A discussion of some constructions of mirror manifolds and their roles in geometry that were proposed by string theorists.

Mathematics 250a. Higher Algebra

Catalog Number: 4384

Barry C. Mazur

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

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). M., W., F., at 12. EXAM GROUP: 5

Continuation of Mathematics 250a. Some basic commutative algebra. Local and global fields. Study of ideal class groups.

Mathematics 251r. Arithmetic Theory of Quadratic Forms

Catalog Number: 6785

Manjul Bhargava (Princeton University)

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to the arithmetic of quadratic forms. Topics: lattices, class number, local-global principle, Gauss composition, and other connections to algebraic number theory. Applications to the representation of integers by quadratic forms will be discussed, with the eventual goal of proving the 290-conjecture of Conway and Schneeberger.

Mathematics 258r. p-adic Modular Forms

Catalog Number: 9265

Kevin Buzzard (Imperial College)

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

After a review of the classical theory of modular forms and modular curves, an introduction to the theory of overconvergent p-adic modular forms. An illustration of the theory with explicit numerical examples.

Mathematics 259. Introduction to Analytic Number Theory

Catalog Number: 7994

Noam D. Elkies

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Fundamental methods, results and problems of analytic number theory. Riemann zeta function and the Prime Number Theorem; Dirichlet's theorem on primes in arithmetic progressions; lower



bounds on discriminants etc. from functional equations; sieve methods, analytic estimates on exponential sums, and their applications.

Mathematics 260a. Introduction to Algebraic Geometry

Catalog Number: 7004

Lawrence Man Hou Ein (University of Illinois)

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to complex algebraic varieties. Hodge theory. Curves, surfaces, moduli problems.

Prerequisite: Some familiarity with manifolds, differential forms and singular homology.

[Mathematics 260b. Introduction to Algebraic Geometry]

Catalog Number: 2745

Half course (spring term). Hours to be arranged.

Continuation of Mathematics 260a.

Note: Expected to be given in 2003–04.

Prerequisite: Mathematics 260a.

Mathematics 263. Vector Bundles on Algebraic Curves

Catalog Number: 6825

Alexander Braverman

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Self-duality of Picard variety, Fourier-Mukai transform, Torelli theorem, geometric class field theory. Algebraic stacks, cotangent complex. The moduli stack of G-bundles, Beilinson-Drinfeld Grassmannian, Hitchin's systems and their dualities. Introduction to the geometric Langlands conjecture.

Mathematics 265. Topics in Algebraic Geometry

Catalog Number: 5462

Joseph D. Harris

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

An introduction to some of the basic ideas, constructions and techniques used by algebraic geometers. Topics will include Hodge theory, the topology of algebraic varieties, and deformation and specialization methods, with applications.

Mathematics 267r. Multiplier Ideals, Singularities and Birational Geometry

Catalog Number: 0812

Mircea Mustata (Cambridge University)

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Basics of multiplier ideals and applications: singularities of linear systems and birational rigidity of certain Fano varieties, log canonical thresholds and other invariants of singularities, effective statements in local algebra, connections with jet schemes.

Mathematics 272a. Introduction to Algebraic Topology

Catalog Number: 1666

Peter B. Kronheimer



Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Covering spaces and fibrations. Simplicial and CW complexes. Homology and cohomology, universal coefficients and Künneth formulas. Hurewicz theorem. Manifolds and Poincaré duality.

Prerequisite: Mathematics 131 or permission of instructor.

Mathematics 272b. Introduction to Algebraic Topology

Catalog Number: 6502

Michael J. Hopkins (Massachusetts Institute of Technology)

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

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 275r. Algebra and Dynamics

Catalog Number: 9017

Curtis T. McMullen

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced topics in dynamical systems with algebraic features, such as maps on projective space and algebraic surfaces, Coxeter groups, flows on homogeneous spaces and polygonal billiards.

Graduate Courses of Reading and Research

***Mathematics 301. Theory and Practice of Teaching in the Mathematical Sciences**

Catalog Number: 4344

Daniel L. Goroff 7683

***Mathematics 308. Topics in Number Theory and Modular Forms**

Catalog Number: 0464

Benedict H. Gross 1112

***Mathematics 309. Topics in Dynamical Systems Theory**

Catalog Number: 0552

Daniel L. Goroff 7683

***Mathematics 311. Topics in Representation Theory**

Catalog Number: 0157

Stephen DeBacker 4110

***Mathematics 314. Topics in Differential Geometry and Mathematical Physics**

Catalog Number: 2743

Shlomo Z. Sternberg 1965 (on leave spring term)



***Mathematics 315. Topics in Number Theory**

Catalog Number: 3335

Christophe Cornut 4014 (on leave 2002-03)

***Mathematics 318. Topics in Number Theory**

Catalog Number: 7393

Barry C. Mazur 1975

***Mathematics 322. Topics in Representation Theory**

Catalog Number: 2962

Alexander Braverman 3630 (on leave spring term)

***Mathematics 323. Topics in Algebraic Geometry**

Catalog Number: 4659

Mihnea Popa 4015 (on leave fall term)

***Mathematics 324. Topics in Number Theory**

Catalog Number: 0878

Laurent Berger 4351

***Mathematics 325. Topics in Mathematics**

Catalog Number: 5928

David Kazhdan 4668 (on leave 2002-03)

***Mathematics 327. Topics in Several Complex Variables**

Catalog Number: 0409

Yum Tong Siu 7550 (on leave 2002-03)

***Mathematics 331. Topics in Topology and Geometry**

Catalog Number: 7992

Nathan Dunfield 2311

***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 337. Topics in Algebraic Geometry**

Catalog Number: 9000

Kalle Karu 2366



***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 (on leave 2002-03)

***Mathematics 354. Topics in Number Theory**

Catalog Number: 1217
William A. Stein 4016

***Mathematics 356. Topics in Harmonic Analysis**

Catalog Number: 6534
Wilfried Schmid 5097 (on leave fall term)

***Mathematics 365. Topics in Differential Geometry**

Catalog Number: 4647
Shing-Tung Yau 1734 (on leave spring term)

***Mathematics 367. Topics in Geometry and Partial Differential Equations**

Catalog Number: 9037
Albert Chau 4017 (on leave 2003-04)

***Mathematics 378. Topics in Computational and Combinatorial Algebraic Geometry**

Catalog Number: 4436
Laura Felicia Matusevich 4357

***Mathematics 382. Topics in Algebraic Geometry**

Catalog Number: 2037
Joseph D. Harris 2055

***Mathematics 386. Topics in Several Complex Variables and CR Geometry**

Catalog Number: 3746
Andreea C. Nicoara 4374



***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

Medical Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Medical Sciences

Thomas M. Roberts, Professor of Pathology (*Medical School*) (*Chair*)

Nancy Andrews, Associate Professor of Pediatrics (*Medical School*)

Constance L. Cepko, Professor of Genetics (*Medical School*)

Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)

R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)

Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology

Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*) (*ex officio*)

Edward E. Harlow, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Stephen C. Harrison, Higgins Professor of Biochemistry (*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*)

Joan V. Ruderman, Marion V. Nelson Professor of Cell Biology (*Medical School*)

Other Faculty Offering Instruction in the Division of Medical Sciences

Kami Ahmad, Cross-listed: Other Faculty (*Medical School*)

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*)
 Meredith L. Applebury, Professor of Ophthalmology (*Medical School*)
 Spyros Artavanis-Tsakonas, Kurt J. Isselbacher/Peter D. Schwartz Professor of Oncology (*Medical School*)
 John A. Assad, Assistant Professor of Neurobiology (*Medical School*)
 Hugh Auchincloss, Professor of Surgery (*Medical School*)
 Dennis A. Ausiello, Jackson Professor of Clinical Medicine (*Medical School*)
 K. Frank Austen, Theodore Bevier Bayles Professor of Medicine (*Medical School*)
 Frederick Ausubel, Professor of Genetics (*Medical School*)
 Hamid Band, Associate Professor of Medicine (*Medical School*)
 Mark G. Baxter, Assistant Professor of Psychology
 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, K. Frank Austen Professor of Medicine (*Medical School*)
 Dennis Brown, Professor of Medicine (*Medical School*)
 Emery N. Brown, Associate Professor of Anaesthesia (*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 Leonia 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, Professor of Neurobiology (*Medical School*)
 Donald M. Coen, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Tucker Collins, Professor of Pathology (*Medical School*)
 David P. Corey, Professor of Neurobiology (*Medical School*)
 Gabriel Corfas, Assistant Professor of Neurology (*Medical School*)
 Douglas Allen Cotanche, Associate Professor of Otolaryngology (*Medical School*)
 Clyde S. Crumpacker II, Professor of Medicine (*Medical School*)
 James M. Cunningham, Associate Professor of Medicine (*Medical School*)
 Charles A. Czeisler, Professor of Medicine (*Medical School*)
 Patricia A. D'Amore, Professor of Ophthalmology and Pathology (*Medical School*)
 Alan D. D'Andrea, Professor of Pediatrics (*Medical School*)
 James A. DeCaprio, Associate Professor of Medicine (*Medical School*)
 Ronald A. DePinho, Professor of Medicine (*Medical School*)
 Ronald C. Desrosiers, Professor of Microbiology and Molecular Genetics (*Medical School*)
 William F. Dietrich, Associate Professor of Genetics (*Medical School*)
 Patricia K. Donahoe, Marshall K. Bartlett Professor of Surgery (*Medical School*)
 Martin E. Dorf, Professor of Pathology (*Medical School*)
 John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences (*on leave fall term*)
 Ursula C. Dräger, Professor of Psychiatry (*Medical School*)
 Glenn Dranoff, Associate Professor of Medicine (*Medical School*)
 Thaddeus P. Dryja, Jr., David Glendenning Cogan Professor of Ophthalmology (*Medical School*)
 Catherine Dulac, Professor of Molecular and Cellular Biology
 Anindya Dutta, Associate Professor of Pathology (*Medical School*)
 Ann M. Dvorak, Professor of Pathology (*Medical School*)
 Susan M. Dymecki, Assistant Professor of Genetics (*Medical School*)
 Nicholas J. Dyson, Associate Professor of Medicine (*Medical School*)
 Michael J. Eck, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Elaine A. Elion, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Thomas E. Ellenberger, Hsien Wu and Daisy Yen Wu Professor of Biological Chemistry and



Molecular Pharmacology (*Medical School*)

Joel K. Elmquist, Associate Professor of Neurology (*Medical School*)

Alan N. Engelman, Associate Professor of Pathology (*Medical School*)

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*)

Mel B. Feany, Assistant Professor of Pathology (*Medical School*)

Daniel D. Federman, Carl W. Walter Professor of Medicine and Medical Education (*Medical School*)

Robert Finberg, Professor of Medicine (*Medical School*)

Joyce D. Fingerroth, Assistant Professor of Medicine (*Medical School*)

Daniel Finley, Professor of Cell Biology (*Medical School*)

David E. Fisher, Associate Professor of Pediatrics (*Medical School*)

Mark C. Fishman, Professor of Medicine (*Medical School*)

John G. Flanagan, Professor of Cell Biology (*Medical School*)

William C. Forrester, Assistant Professor of Pathology (*Medical School*)

Dan G. Fraenkel, Professor of Microbiology and Molecular Genetics (*Medical School*)

David A. Frank, Assistant Professor of Medicine (*Medical School*)

Christin A. Frederick, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Robert M. Friedlander, Associate Professor of Surgery (*Medical School*)

Matthew P. Frosch, Assistant Professor of Pathology (*Medical School*)

Barbara C. Furie, Professor of Medicine (*Medical School*)

Bruce Furie, Professor of Medicine (*Medical School*)

Dana Gabuzda, Associate Professor of Neurology (*Medical School*)

Raif S. Geha, Prince Turki Bin Abdul Aziz Al-Saud Professor of Pediatrics (*Medical School*)

Lee Gehrke, Professor of Health Sciences and Technology and MMG (*Medical School*)

Katia Georgopoulos, Associate Professor of Dermatology (*Medical School*)

John Gergely, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Grace Gill, Assistant Professor of Pathology (*Medical School*)

D. Gary Gilliland, Associate Professor of Medicine (*Medical School*)

Michael A. Gimbrone, Elsie T. Friedman Professor of Pathology (*Medical School*)

Ilene K. Gipson, Professor of Ophthalmology (*Medical School*)

Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)

David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Alfred L. Goldberg, Professor of Cell Biology (*Medical School*)

Irving H. Goldberg, Otto Kraymer Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Marcia Goldberg, Associate Professor of Medicine (Microbiology and Molecular Genetics) (*Medical School*)

Anne E. Goldfeld, Associate Professor of Medicine (*Medical School*)

Daniel A. Goodenough, Takeda Professor of Cell Biology (*Medical School*)

Howard M. Goodman, Professor of Genetics (*Medical School*)



Heinrich G.J. Gottlinger, Associate Professor of Pathology (*Medical School*)
 Howard Green, George Higginson Professor of Cell Biology (*Medical School*)
 Jeremy Green, Assistant Professor of Genetics (*Medical School*)
 Michael E. Greenberg, Professor of Neurobiology and Neurology (*Medical School*)
 Michael Grusby, Associate Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Public Health*)
 James Gusella, Bullard Professor of Neurogenetics (*Medical School*)
 Steven P. Gygi, Assistant Professor of Cell Biology (*Medical School*)
 Daniel A. Haber, Professor of Medicine (*Medical School*)
 David Hafler, Jack, Sadie, and David Breakstone Professor of Neurology (NSCI) (*Medical School*)
 William C. Hahn, Assistant Professor of Medicine (*Medical School*)
 Iswar K. Hariharan, Associate Professor of Medicine (*Medical School*)
 Donald A. Harn, Professor of Tropical Public Health (*Public Health*)
 Anne C. Hart, Assistant Professor of Pathology (*Medical School*)
 Elizabeth D. Hay, Louise Foote Pfeiffer Professor of Embryology (*Medical School*)
 Xi He, Assistant Professor of Neurology (*Medical School*)
 Zhigang He, Assistant Professor of Neurology (*Medical School*)
 Stefan Heller, Assistant Professor of Otology and Laryngology (*Medical School*)
 Martin E. Hemler, Professor of Pathology (*Medical School*)
 Darren E. Higgins, Assistant Professor of Microbiology & Molecular Genetics (*Medical School*)
 Philip W. Hinds, Assistant Professor of Pathology (*Medical School*)
 Martin S. Hirsch, Professor of Medicine (*Medical School*) and Professor in the Department of Cancer Biology (*Public Health*)
 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, Associate Professor of Neurology (*Medical School*)
 Rakesh K. Jain, A. Werk Cook Professor of Radiation Oncology (*Medical School*)
 Frances E. Jensen, Associate Professor of Neurology (*Medical School*)
 Robert P. Johnson, Associate Professor of Medicine (*Medical School*)
 Jae Ung Jung, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
 C. Ronald Kahn, Mary K. Iacocca Professor of Medicine (*Medical School*)
 Joshua M. Kaplan, Assistant Professor of Genetics (*Medical School*)
 Howard R. Katz, Associate Professor of Medicine (*Medical School*)
 Kenneth M. Kaye, Assistant Professor of Medicine (*Medical School*)
 Andrius Kazlauskas, Associate Professor of Ophthalmology (*Medical School*)
 Mark T. Keating, Professor of Cell Biology and Pediatrics (*Medical School*)



Vicki R. Kelley, Associate Professor of Medicine (*Medical School*)
Roya Khosravi-Far, Assistant Professor of Pathology (*Medical School*)
Kwang-Soo Kim, Associate Professor of Psychiatry (*Medical School*)
Jean-Pierre Kinet, Professor of Pathology (*Medical School*)
Randy King, Assistant Professor of Cell Biology (*Medical School*)
Robert E. Kingston, Professor of Genetics (*Medical School*)
Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)
Marc W. Kirschner, Carl Walter Professor of Cell Biology (*Medical School*)
Michael Klagsbrun, Professor of Surgery (*Medical School*)
Nancy Kleckner, Herchel Smith Professor of Molecular Biology (*on leave spring term*)
David M. Knipe, Higgins Professor of Microbiology and Molecular Genetics (*Medical School*)
Isaac S. Kohane, Associate Professor of Genetics (*Medical School*)
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Christine L. Konradi, Assistant Professor of Psychiatry (*Medical School*)
Bruce R. Korf, Associate Professor of Neurology (*Medical School*)
Walter J. Koroshetz, Associate Professor of Medicine and Assistant Professor of Neurology (*Medical School*)
Stanley J. Korsmeyer, Sidney Farber Professor of Pathology (*Medical School*)
Kenneth S. Kosik, Professor of Neurology (*Medical School*)
Barry E. Kosofsky, Associate Professor of Neurology (*Medical School*)
Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
Jordan A. Kreidberg, Assistant Professor of Pediatrics (*Medical School*)
Raju Kucherlapati, Paul C. Cabot Professor of Genetics (*Medical School*)
Vijay K. Kuchroo, Associate Professor of Neurology (*Medical School*)
Louis M. Kunkel, Professor of Genetics and Professor of Pediatrics (*Medical School*)
David J. Kwiatkowski, Associate Professor of Medicine (*Medical School*)
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*)
Catherine A. Lee, Silas Arnold Houghton Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Jeannie T. Lee, Associate Professor of Genetics (*Medical School*)
Tun-Hou Lee, Professor of Virology (*Public Health*)
Norman Letvin, Professor of Medicine (*Medical School*)
Michael Levin, Assistant Professor of Cell Biology (*Medical School*)
En Li, Assistant Professor of Cell Biology (*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*)
Edmund C. C. Lin, Professor of Microbiology and Molecular Genetics (*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, Associate Professor of Pediatrics and Medicine (*Medical School*)
Clint L. Makino, Assistant Professor of Ophthalmology (*Medical School*)
Jarema Malicki, Assistant Professor of Ophthalmology (Genetics) (*Medical School*)
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*)
Frank D. McKeon, Professor of Cell Biology (*Medical School*)
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
John J. Mekalanos, Higgins Professor of Microbiology and Molecular Genetics (*Medical School*)
Mark Mercola, Associate Professor of Cell Biology (*Medical School*)
Arthur M. Mercurio, Associate Professor of Medicine (*Medical School*)
Matthew L. Meyerson, Assistant Professor of Pathology (*Medical School*)
Thomas Michel, Associate Professor of Medicine (*Medical School*)
Alan M. Michelson, Associate Professor of Medicine (*Medical School*)
Jeffrey B. Miller, Associate Professor of Neurology (*Medical School*)
Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)
Timothy J. Mitchison, Hasib Sabbagh Professor of Cell Biology (*Medical School*)
Danesh Moazed, Assistant Professor of Cell Biology (*Medical School*)
Donald K. Morisato, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Cynthia C. Morton, Professor of Pathology and William Lambert Richards Professor of Obstetrics, Gynecology, and Reproductive Biology (*Medical School*)
Edmund A. Mroz, Jr., Associate Professor of Physiology (*Medical School*)
Richard C. Mulligan, Mallinckrodt Professor of Genetics (*Medical School*)
Karl Münger, Associate Professor of Pathology (*Medical School*)
Venkatesh N. Murthy, Assistant 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*)
Rachael L. Neve, Associate Professor of Psychiatry (*Medical School*)
Max L. Nibert, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Anne Nicholson-Weller, Professor of Medicine (*Medical School*)
Marjorie A. Oettinger, Associate Professor of Genetics (*Medical School*)
Bjørn R. Olsen, Harvard-Forsyth Professor of Oral Biology and Hersey Professor of Cell



Biology (*Dental School, Medical School*)

Stuart H. Orkin, Leland Fikes Professor of Pediatric Medicine (*Medical School*)

Jeffrey D. Parvin, Associate Professor of Pathology (*Medical School*)

David L. Paul, Professor of Neurobiology (*Medical School*)

Henry P. Paulus, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Michael Pazin, Assistant Professor of Dermatology (*Medical School*)

David Pellman, Associate Professor of Pediatrics (*Medical School*)

Lizabeth A. Perkins, Assistant Professor of Surgery (Genetics) (*Medical School*)

Norbert Perrimon, Professor of Genetics (*Medical School*)

Gerald Pier, Professor of Medicine (Microbiology and Molecular Genetics) (*Medical School*)

Francesca Pignoni, Assistant Professor of Ophthalmology (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*)

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, Associate Professor of Neurobiology (*Medical School*)

Ellis L. Reinherz, Professor of Medicine (*Medical School*)

Charles C. Richardson, Edward S. Wood Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Barrett J. Rollins, Associate Professor of Medicine (*Medical School*)

Fred S. Rosen, James L. Gamble Professor of Pediatrics (*Medical School*)

Paul Allen Rosenberg, Associate Professor of Neurology (*Medical School*)

Andre Rosowsky, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Frederick P. Roth, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

David H. Rowitch, Assistant Professor of Pediatrics (*Medical School*)

Robert H. Rubin, Gordon and Marjorie Osborn Professor of Health Sciences and Technology, Professor of Medicine (*Medical School*)

Christopher E. Rudd, Associate Professor of Pathology (*Medical School*)

Ruth M. Ruprecht, Professor of Medicine (*Medical School*)

Gary B. Ruvkun, Professor of Genetics (*Medical School*)

Bernardo L. Sabatini, Assistant Professor of Neurobiology (*Medical School*)

David H. Sachs, Paul S. Russell/Warner Lambert Professor of Surgery (*Medical School*)



Haruo Saito, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Clifford B. Saper, James Jackson Putnam Professor of Neurology (*Medical School*)
David T. Scadden, Associate Professor of Medicine (*Medical School*)
Priscilla A. Schaffer, Professor of Medicine (*Medical School*)
Stuart F. Schlossman, Baruj Benacerraf Professor of Medicine (*Medical School*)
Dietmar Schmucker, Assistant Professor of Neurobiology (*Medical School*)
Bruce J. Schnapp, Associate Professor of Cell Biology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
Thomas M. Schultheiss, Assistant Professor of Medicine (*Medical School*)
Peter H. Schur, Professor of Medicine (*Medical School*)
Richard M. Schwartzstein, Associate Professor of Medicine (*Medical School*)
Thomas L. Schwarz, Professor of Neurology and Neurobiology (*Medical School*)
Ralph Scully, Assistant Professor of Pathology (*Medical School*)
Brian Seed, Professor of Genetics (*Medical School*)
Rosalind A. Segal, Assistant Professor of Neurology (*Medical School*)
Christine E. Seidman, Professor of Medicine, Professor of Genetics (*Medical School*)
Jonathan G. Seidman, Henrietta B. and Frederick H. Bugher Foundation Professor of Genetics (*Medical School*)
Dennis J. Selkoe, Professor of Neurology (*Medical School*)
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 (*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*)
Gary A. Silverman, Associate Professor of Pediatrics (*Medical School*)
Harvey B. Simon, Associate Professor of Medicine (*Medical School*)
David A. Sinclair, Assistant Professor of Pathology (*Medical School*)
Jeffrey L. Sklar, Professor of Pathology (*Medical School*)
D. Max Snodderly, Associate Professor of Ophthalmology (*Medical School*)
Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)
Sergei Y. Sokol, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Bruce M. Spiegelman, Professor of Cell Biology (*Medical School*)
Robert G. Spiro, Professor of Biological Chemistry (*Medical School*)
Timothy A. Springer, Latham Family Professor of Pathology (*Medical School*)
Ivan Stamenkovic, Associate Professor of Pathology (*Medical School*)
Michael Stambach, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)



Thilo Stehle, Assistant Professor of Pediatrics (*Medical School*)
Richard L. Stevens, Associate Professor of Medicine (*Medical School*)
Charles D. Stiles, Professor of Microbiology and Molecular Genetics (*Medical School*)
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
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*)
Stanley Tabor, Lecturer on Biological Chemistry and Molecular Pharmacology (*Medical School*)
Armen H. Tashjian, Jr., Professor of Toxicology, *Emeritus* (*Public Health*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Daniel G. Tenen, Professor of Medicine (*Medical School*)
David B. Teplow, Associate Professor of BCMP (*Medical School*)
Cox Terhorst, Professor of Medicine (*Medical School*)
Sheila Thomas, Assistant Professor of Medicine (*Medical School*)
Stefan Thor, Assistant Professor of Neurobiology (*Medical School*)
Li-Huei Tsai, Associate Professor of Pathology (*Medical School*)
Sander Van Den Heuvel, Assistant Professor of Medicine (*Medical School*)
Richard A. Van Etten, Associate Professor of Genetics (*Medical School*)
David L. Van Vactor, Associate Professor of Cell Biology (*Medical School*)
Timothy K. Vartanian, Assistant Professor of Neurology (*Medical School*)
Marc Vidal, Assistant Professor of Genetics (*Medical School*)
Ulrich H. Von Andrian-Werburg, Associate Professor of Pathology (*Medical School*)
Harald Von Boehmer, Professor of Pathology (*Medical School*)
Denisa D. Wagner, Professor of Pathology (*Medical School*)
Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Bruce D. Walker, Professor of Medicine (*Medical School*)
W. Allan Walker, Conrad Taff Professor of Nutrition and Pediatrics (*Medical School*) and Professor in the Department of Nutrition (*Public Health*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Christopher A. Walsh, Bullard Professor of Neurology (*Medical School*)
Johannes Walter, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Thomas Walz, Assistant Professor of Cell Biology (*Medical School*)
Frederick C. Wang, Associate Professor of Medicine (*Medical School*)
David T. Weaver, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
Howard L. Weiner, Robert L. Kroc Professor of Neurology (*Medical School*)



Charles J. Weitz, Associate 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*)
Thomas H. Wilson, Professor of Cell Biology (*Medical School*)
Fred Winston, Professor of Genetics (*Medical School*)
Dyann F. Wirth, Professor of Tropical Public Health (*Public Health*)
Michael S. Wolfe, Associate Professor of BCMP (*Medical School*)
Clifford Woolf, Richard J. Kitz Professor of Anaesthesia (*Medical School*)
Chao-Ting Wu, Assistant Professor of Genetics (*Medical School*)
Kai Wucherpfennig, Associate Professor of Neurology (*Medical School*)
Bruce Yankner, Associate Professor of Neurology (*Medical School*)
Gary I. Yellen, Professor of Neurobiology (*Medical School*)
Anne B. Young, Julieanne Dorn Professor of Neurology (*Medical School*)
Junying Yuan, Professor of Cell Biology (*Medical School*)
Edmund J. Yunis, Professor of Pathology (*Medical School*)
Bruce R. Zetter, Professor of Surgery (*Medical School*)
Jing Zhou, Associate Professor of Medicine (*Medical School*)
Leonard I. Zon, Professor of Pediatrics (*Medical School*)

The Division of Medical Sciences makes available to graduate students the facilities of the preclinical departments and research laboratories of the Harvard Medical School and its affiliated hospitals and institutions. The Division offers advanced courses and research in cell biology, biological chemistry and molecular pharmacology, physiology, genetics, immunology, microbiology and molecular genetics, neurosciences, pathology, and virology. Qualified undergraduates may be admitted with the permission of the instructor and the student's department of concentration, as far as the facilities of the special laboratories permit. Inquiries should be addressed to the Division of Medical Sciences, Harvard Medical School, 260 Longwood Avenue, Boston, MA 02115, or telephone (617) 432-0162.

For other courses in biological sciences, see listings of the Program in Biological Sciences in Public Health, Biophysics and Molecular and Cellular Biology.

Biological and Biomedical Sciences (BBS)

BBS is an interdepartmental program within the Division of Medical Sciences at Harvard Medical School. BBS faculty are primarily drawn from five preclinical departments of the Medical School: Biological Chemistry and Molecular Pharmacology (BCMP); Cell Biology; Genetics; Microbiology and Molecular Genetics; and Pathology. In addition, selected faculty located within area hospitals and institutions are members of BBS.



Graduate Courses of Reading and Research

***BBS 300. BBS Seminar**

Catalog Number: 8771

Clifford J. Tabin (Medical School) 2430, Patricia A. D'Amore (Medical School) 1168, Robert E. Kingston (Medical School) 1153, and Fred Winston (Medical School) 7877

This seminar is designed to help students learn presentation skills. Students in their fourth year will be required to give a 20 minute talk to other fourth year students and selected faculty. The talk will be based upon the research in the student's thesis lab (i.e. a "lab" talk, not necessarily the student's own research.) The course faculty will help in the preparation of the talk and will give feedback following the talk. Students must register for this course by their fifth year.

***BBS 333r. Introduction to Research in Biological and Biomedical Sciences**

Catalog Number: 1206

Constance L. Cepko (Medical School) 1150

Note: BBS students register for lab rotations under this course number.

***BBS 380. Reading and Research in Biological and Biomedical Sciences**

Catalog Number: 0349

Constance L. Cepko (Medical School) 1150

***BCMP 314 (formerly *BBS 314). Protein NMR Spectroscopy of Membrane Protein**

Catalog Number: 9477

Biological Chemistry and Molecular Pharmacology

All courses in Biological Chemistry and Molecular Pharmacology are subject to limitation in enrollment and will not be offered unless there is sufficient demand. For courses in Neuropharmacology, see listings under Neurobiology. For more courses in biochemistry, see other listings in the FAS Biological Sciences section.

Primarily for Graduates

BCMP 200. Molecular Biology

Catalog Number: 5591

Stephen Buratowski (Medical School), David E. Fisher (Medical School), Anindya Dutta (Medical School), Alan N. Engelman (Medical School), Jeffrey Parvin (Medical School) and Johannes Walter (Medical School)

Half course (fall term). M., W., F., 10:30–12.

An advanced treatment of the Central Dogma of molecular biology. The course will consider the molecular basis of genetic information transfer from DNA to RNA to protein, using current examples from eukaryotic and prokaryotic systems. Topics include DNA and chromatin structure, replication, DNA repair, genome stability and plasticity, transcription, post-transcriptional RNA processing, translation, and post-translational regulation. Lectures and



discussion sessions will emphasize experimental techniques and primary literature readings.

Note: Offered jointly with the Medical School as BP 723.0.

Prerequisite: Intended primarily for graduate students familiar with basic molecular biology or with strong biology/chemistry background.

BCMP 201. Proteins: Structure, Function and Catalysis

Catalog Number: 5068

Thomas E. Ellenberger (Medical School), Stephen C. Blacklow (Medical School), 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 coverage of contemporary topics in protein biochemistry with emphasis on the interrelated roles of protein structure, catalytic activity, and macromolecular interactions in biological processes. Topics include the analysis of protein sequence information and three dimensional structures of proteins, protein folding and conformational changes that control biological activity, the regulated assembly and disassembly of macromolecular complexes, the structural basis for enzymatic catalysis, fidelity and proofreading mechanisms, energy transduction, and the generation of force by proteins.

Note: Offered jointly with the Medical School as BP714.0

Prerequisite: Knowledge of introductory general biochemistry, elementary physical chemistry, and molecular genetics required.

***BCMP 205. Principles of Pharmacology**

Catalog Number: 1737

David E. Golan (Medical School) and members of the Department

Half course (spring term). M. through F., 8:30–12. EXAM GROUP: 1, 2, 3, 4, 10, 11, 12, 13

Intensive introduction to pharmacology, emphasizing basic mechanisms of drug action and principles of drug-receptor interactions, pharmacokinetics, and drug metabolism. Drug classes illustrated using prototypic drugs. Examples drawn from autonomic nervous system, cardiovascular, and central nervous system pharmacology; autacoids and chemotherapeutic agents also considered.

Note: Offered jointly with the Medical School as IN 705.0. Ten hours of lecture, four hours of conference, and four hours of tutorial per week. Permission of both the course director and the Medical School Registrar is required.

Prerequisite: Introductory biochemistry and physiology preferred but not required.

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

Catalog Number: 0529 Enrollment: May be limited.

Donald M. Coen (Medical School), David E. Golan (Medical School), James M. Hogle (Medical School), Randy King (Medical School), Steven E. Shoelson (Medical School), Christopher T. Walsh (Medical School), and Associates

Half course (spring term). Tu., Th., 3:30–5:30.

Explores how molecular biology, structural biology, and modern enzymology have revolutionized understanding of 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. Intended primarily for graduate students.

BCMP 210. Theory and Practice of Techniques in Molecular Biology

Catalog Number: 1230

Welcome W. Bender (Medical School) and Stanley Tabor (Medical School)

Half course (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 effects of psychoactive drugs on behavior and pharmacological mechanisms of action. 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) and James M. Hogle (Medical School)

Half course (fall term). M., F., 2–3:30, W., 2–5.

Theory and practice of modern methods of macromolecular structure determination using multi-dimensional NMR.

Note: Contact instructor at 432-3213. Offered in alternate years. Offered jointly with the Medical School as BP 722.0.

BCMP 230. Principles and Practice of Drug Development

Catalog Number: 1295

Robert H. Rubin (Medical School)

Half course (fall term). Th., 3–6.

Critical assessment of the major issues and stages of developing a pharmaceutical or biopharmaceutical. Drug discovery, preclinical development, clinical investigation, manufacturing and regulatory issues considered for small and large molecules. Economic considerations of the drug development process. Multidisciplinary perspective from faculty from clinical, life, and management sciences and industry guests.

Note: Offered jointly with the Medical School as HT920.

BCMP 231. Biology of Yeasts: Cell Proliferation and Differentiation

Catalog Number: 3476



Elaine A. Elion (Medical School)

Half course (spring term). W., 1:30–4:30.

This course will consider topics such as cell cycle control, cell identity, cell survival and cell morphology from the perspective of studies using yeast as the experimental organism. We will concentrate on examining how genetic approaches have facilitated analysis and emphasize how the findings are generally relevant. Primary research papers will be discussed and critically evaluated. The two parts of this course can be taken together as a half course, or individually as quarter courses under BCMP 370. The first quarter will consider determination of cell identity and control of cell differentiation; the second quarter will consider cell survival and morphogenesis.

Note: Offered jointly with the Medical School as BP 726.0.

Prerequisite: Genetics 201 or equivalent. May be taken concurrently.

Graduate Courses of Reading and Research

***BCMP 300. Enzyme Mechanisms**

Catalog Number: 1867

Christopher T. Walsh (Medical School) 2036

***BCMP 305. Mechanisms of Visual Transduction and Adaptation and Biochemical Mechanisms of Drug Action**

Catalog Number: 0834

Robert R. Rando (Medical School) 4125

***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 312. Molecular Mechanisms of DNA Damage and Repair and Mutagenesis**

Catalog Number: 0828

Irving H. Goldberg (Medical School) 3677

***BCMP 313. To Explore the Molecular Pathways Underlying Melanoma Genesis Progression and Maintenance by Combining Approaches in Functional Genomics and Mouse Genetics**

Catalog Number: 1632

Lynda Chin (Medical School) 3931

***BCMP 315. Growth Factor Structure and Biological Activity**

Catalog Number: 6034

Michael Klagsbrun (Medical School) 3167

***BCMP 316. Design and Synthesis of Novel Folic Acid Antagonists and Nucleotide Analogs as Anticancer and Antiviral Agents**

Catalog Number: 0857

Andre Rosowsky (Medical School) 3527

***BCMP 317. Structural and Cellular Biology of Insulin Signal Transduction, Insulin, Resistance, Diabetes and Obesity**

Catalog Number: 3354

Steven E. Shoelson (Medical School) 3951

***BCMP 319. Histone Variants and Chromosome Biology**

Catalog Number: 0722

Kami Ahmad (Medical School) 4592

***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 323. Biochemistry of Muscle Contraction**

Catalog Number: 2794

John Gergely (Medical School) 2477

***BCMP 324. Structure and Replication of DNA**

Catalog Number: 5059

Charles C. Richardson (Medical School) 2479



***BCMP 325. Genomic Instability and Cancer Susceptibility**

Catalog Number: 4110

Alan D. D'Andrea (Medical School) 3532

***BCMP 326. Molecular Mechanisms of Drosophila Development**

Catalog Number: 1248

Donald K. Morisato (Medical School) 1803

***BCMP 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. Mechanism and Inhibition of Intramembrane Proteases**

Catalog Number: 9727

Michael S. Wolfe (Medical School) 4543

***BCMP 332. Structural Neurology**

Catalog Number: 0276

Peter T. Lansbury (Medical School) 2115

***BCMP 333. Regulation of Biosynthetic Processes**

Catalog Number: 4876

Henry P. Paulus (Medical School) 1205

***BCMP 335. Biochemical and Genetic Analysis of Eukaryotic Gene Expression**

Catalog Number: 8052

Stephen Buratowski (Medical School) 1790

***BCMP 336. Structure, Function, and Assembly of Glycoprotein Components of Biomembranes**

Catalog Number: 1726

Robert G. Spiro (Medical School) 2493

***BCMP 337. Drosophila Molecular Genetics**

Catalog Number: 0782

Welcome W. Bender (Medical School) 7083



***BCMP 338. Eukaryotic Gene Regulation**

Catalog Number: 0549

Kevin Struhl (Medical School) 7415

***BCMP 339. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 3453

Marianne Wessling-Resnick (Public Health, Medical School) 1315

***BCMP 341. Electron Paramagnetic Resonance Spectroscopy**

Catalog Number: 0837

Keith W. Miller (Medical School) 4124

***BCMP 342. Signal Transduction in Eukaryotic Cells**

Catalog Number: 4557

Haruo Saito (Medical School) 2028

***BCMP 343. Molecular Genetics of Herpes Viruses**

Catalog Number: 0868

Donald M. Coen (Medical School) 7617

***BCMP 344. Molecular Pharmacology of Excitable Membranes**

Catalog Number: 0200

Gary R. Strichartz (Medical School) 7530

***BCMP 347. Structural Analysis of Viruses and Receptors**

Catalog Number: 5105

Thilo Stehle (Medical School) 4990

***BCMP 351. Molecular and Cellular Endocrinology**

Catalog Number: 0208

Armen H. Tashjian, Jr. 2071

***BCMP 356. Solution Structures of Proteins by NMR Spectroscopy**

Catalog Number: 8093

Gerhard Wagner (Medical School) 2626

***BCMP 357. Problems in Nucleic Acid and Nucleic Acid/Protein Crystallography**

Catalog Number: 6132

Christin A. Frederick (Medical School) 2614

***BCMP 359. Molecular Mechanisms of Signal Transduction**

Catalog Number: 8520

Elaine A. Elion (Medical School) 2941



***BCMP 360. Regulating Skeletal Myogenesis**

Catalog Number: 6934

Andrew B. Lassar (Medical School) 2946

***BCMP 361. X-Ray Crystallographic Studies of Viruses and Proteins**

Catalog Number: 4155

James M. Hogle (Medical School) 2943

***BCMP 362. Eukaryotic Survival Decisions**

Catalog Number: 4972

David E. Fisher (Medical School) 1800

***BCMP 363. The Mechanics and Regulation of Mitosis**

Catalog Number: 4981

David Pellman (Medical School) 3702

***BCMP 370. Advanced Topics in Biological Chemistry and Molecular Pharmacology**

Catalog Number: 0482

Donald K. Morisato (Medical School) 1803, 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 semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***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

Rong Li (Medical School), John Blenis (Medical School), Joan S. Brugge (Medical School),



Daniel Finley (Medical School), Timothy J. Mitchison (Medical School), and Pamela A. Silver (Medical School)

Half course (spring term). M., W., 10:30–12; plus sections F. at 10:30–12.

Current concepts in Cell Biology, with emphasis on experimental approaches. Topics include the molecular basis of cellular compartmentalization, protein trafficking, cytoskeleton dynamics, mitosis, cell locomotion, cell cycle regulation, signal transduction, cell-cell interaction, and the cellular/biochemical basis of diseases. The course will also cover various methods, such as protein purification and identification, analysis of protein-protein interactions, and microscopy methods.

Note: Offered jointly with the Medical School as CB 713.0

Prerequisite: Basic knowledge in biochemistry and genetics.

Cell Biology 207. Developmental Biology: Molecular Mechanisms of Vertebrate Development

Catalog Number: 2044 Enrollment: Limited to 25.

Andrew B. Lassar (Medical School), John G. Flanagan (Medical School), Thomas M. Schultheiss (Medical School), Sergei Y. Sokol (Medical School), Clifford J. Tabin (Medical School), and Malcolm Whitman (Medical School)

Half course (spring term). W., F., 2–4.

This course analyzes the developmental programs of frog, chick, and mouse embryos with emphasis on experimental strategies for understanding the responsible molecular mechanisms. Principal focus of the course is the establishment of the body plan and the formation of selected organs. Specific topics include developmental anatomy of early embryos, primary axis formation and regional specification, formation of the nervous system, establishment of cell fate, homeotic genes and the control of pattern, cell migration and cell-cell signaling, stem cell potency and development of muscle, cartilage, heart, reproductive system and limbs. The course includes lectures and conference sessions in which original literature will be discussed in depth. Short research proposals will be required in lieu of exams.

Note: Offered jointly with the Medical School as CB 710.0.

[Cell Biology 211a. Biology of the Cancer Cell]

Catalog Number: 5771

James A. DeCaprio (Medical School) and Myles A. Brown (Medical School)

Half course (fall term). Hours to be arranged.

Examines the basic mechanisms of cell growth and the processes that lead to cancer. Emphasizes the molecular basis of cancer including alterations in signal transduction, cell cycle, apoptosis, transcription, and DNA repair. Focuses on how oncogenes, tumor suppressors, and oncogenic viruses affect normal cell growth and explores the development of novel target based therapies.

Note: Expected to be given in 2003–04. 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). M., W., F., 1–2:30. EXAM GROUP: 6, 7

The course is divided into three instruction blocks. The first block covers history, chemistry and biology of the major growth factor families and their receptors including the hematopoietic growth factors. The second block teaches basic principles in growth factor receptor activation and signal transduction. The Ras/Raf/MAP kinase cascade and the JAK/STAT signaling pathways are used as teaching vehicles. The third instruction block is entitled “Variations on the Themes and a Look Ahead.” The content of this block will change as the field unfolds. Most recently (Fall of '00), this block featured one lecture “snapshots” of nitric oxide signaling, TGF-beta receptor signaling, Eph family receptors and their ligands, tyrosine phosphatases, Notch/Delta, Wnt and Patched signaling pathways.

Note: 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

Spyros Artavanis-Tsakonas (Medical School), Iswar K. Hariharan (Medical School), Norbert Perrimon (Medical School), Sander Van Den Heuvel (Medical School), and David L. Van Vactor (Medical School)

Half course (fall term). Hours to be arranged.

The course will emphasize the Developmental Genetics of Model systems including flies, worms, and mice and will be taught at a graduate level. We aim to provide a comprehensive picture of the biological principles and molecular mechanisms governing ontogeny as revealed by the analysis of model systems. We are also interested in discussing different experimental approaches, evaluate experimental systems, and examine the relevance of invertebrate studies in human biology and pathology with an emphasis on cancer. While much of the studies we will discuss involve *Drosophila*, we will often contrast and compare this experimental system with *C.elegans* and occasionally with vertebrate systems.

Note: Expected to be given in 2003–04. Offered jointly with the Medical School as CB 720.0.

Graduate Courses of Reading and Research

***Cell Biology 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 5825

Alfred L. Goldberg (Medical School) 2827 and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Topics cover areas of interest in cell, molecular, and developmental biology such as spatial organization of cytoplasm, apoptosis, membrane trafficking, and tumor progression and metastasis. Different topics are covered each term.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.



***Cell Biology 304. Regulation of the Cell Cycle**

Catalog Number: 0414

Joan V. Ruderman (Medical School) 2622

***Cell Biology 305. Developmental Biology**

Catalog Number: 3314

Elizabeth D. Hay (Medical School) 1011

***Cell Biology 306. Permeability and Biological Transport**

Catalog Number: 0416

Thomas H. Wilson (Medical School) 2137

***Cell Biology 307. Cell–Cell Signaling in Neural Development**

Catalog Number: 1911

John G. Flanagan (Medical School) 3149

***Cell Biology 308. Membrane Biology**

Catalog Number: 6173

Dennis A. Ausiello (Medical School) 1288

***Cell Biology 309. RNA Splicing and Nuclear Export of mRNA**

Catalog Number: 2523

Robin Reed (Medical School) 2319

***Cell Biology 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 313. The Structure of the Nucleus and the Dynamics of Nuclear Transport**

Catalog Number: 3151

Frank D. McKeon (Medical School) 1990

***Cell Biology 314. Molecular Biology of Extracellular Matrix**

Catalog Number: 5077

Bjørn R. Olsen (Dental School, Medical School) 1164

***Cell Biology 315. Biological Information Storage and Exchange**

Catalog Number: 9463

Michael Levin (Medical School) 4560



***Cell Biology 316. Mechanism and Regulation of Intracellular Protein Turnover**

Catalog Number: 1017

Alfred L. Goldberg (Medical School) 2827

***Cell Biology 317. Mechanisms of Programmed Cell Death**

Catalog Number: 2270

Junying Yuan (Medical School) 2105

***Cell Biology 318. Molecular Biology of Cell Growth Regulation and Transformation**

Catalog Number: 3355

John Blenis (Medical School) 2612

***Cell Biology 319. Cell Polarity and Morphogenesis**

Catalog Number: 2986

Rong Li (Medical School) 2106

***Cell Biology 320. Mechanisms of Intracellular Transport**

Catalog Number: 4285

Bruce J. Schnapp (Medical School) 2948

***Cell Biology 321. Neuronal Pathfinding and 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 331. Growth Factors in Vertebrate Development**

Catalog Number: 5258

Mark Mercola (Medical School) 2947

***Cell Biology 332. Mass Spectrometry and Proteomics**

Catalog Number: 1568

Steven P. Gygi (Medical School) 3939

***Cell Biology 333. 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 337. Keratinocyte Growth and Differentiation**

Catalog Number: 2197

Howard Green (Medical School) 7318

***Cell Biology 338. Developmental Biology of Human Congenital Anomalies**

Catalog Number: 7867

Patricia K. Donahoe (Medical School) 3252

***Cell Biology 339. Cell Morphogenesis and Regulation**

Catalog Number: 3898

Marc W. Kirschner (Medical School) 1078

***Cell Biology 342. Cytoskeleton in Development and Cancer**

Catalog Number: 4059

Sheila Thomas (Medical School) 3777



***Cell Biology 343. Mechanisms of Mammalian Cell Differentiation and Gene Expression**

Catalog Number: 0202

Bruce M. Spiegelman (Medical School) 7733

***Cell Biology 344. Molecular Mechanism of Signal Transduction**

Catalog Number: 6093

Xi He (Medical School) 2004

***Cell Biology 345. Protein Transport Across the Endoplasmic Reticulum Membrane**

Catalog Number: 6793

Tom Rapoport (Medical School) 1815

***Cell Biology 346. Signal Transduction by Receptor Throsine Kinases**

Catalog Number: 1591

Andrius Kazlauskas (Medical School) 2088

***Cell Biology 347. Cellular and Molecular Aspects of Insulin Action**

Catalog Number: 1494

C. Ronald Kahn (Medical School) 2019

***Cell Biology 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), Bruce R. Korf (Medical School), and Clifford J. Tabin (Medical School)

Half course (spring term). M. through F., 8:30–12.

Focuses on fundamental aspects of human genetics, reproduction, early development, and morphogenesis. Both classical and molecular genetics are addressed, with particular application to human biology and medicine. Laws that govern inheritance and variation among individuals and populations considered with special attention to the molecular aspects of inheritance, mutation, and gene control.

Note: Call 432-1515 to register. Permission of both the course director and the Medical School Registrar is required. Offered jointly with the Medical School as IN 703.0.

Prerequisite: Biochemistry or equivalent.



Genetics 201. Principles of Genetics

Catalog Number: 4225

William F. Dietrich (Medical School), Anne C. Hart (Medical School), Ann Hochschild (Medical School), Elizabeth A. Perkins (Medical School), and Fred Winston (Medical School)

Half course (fall term). M., W., F., 9–10:30.

An in-depth survey of genetics, beginning with basic principles and extending to modern approaches and special topics. 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). W., 10–12.

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.

This course will present 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 will also be 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 will be presented.

[Genetics 214. Biology of the Visual System]

Catalog Number: 5537 Enrollment: Limited to 20. Minimum 5; maximum 20.

Constance L. Cepko (Medical School), Meredith L. Applebury (Medical School), Richard T. Born (Medical School), John E. Dowling, Thaddeus P. Dryja, Jr. (Medical School), John G. Flanagan (Medical School), Ilene K. Gipson (Medical School), Francesca Pignoni (Medical School), 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 2003–04. Given in alternate years. An introductory course in neurobiology is suggested, but not required. Offered jointly with the Medical School as GN 714.0.



Genetics 216. Advanced Topics in Gene Expression

Catalog Number: 2244

Robert E. Kingston (Medical School) and Fred Winston (Medical School)

Half course (spring term). Tu., 1–4.

This course will cover both biochemical and genetic studies in regulatory mechanisms. We will discuss a small number of topics in depth, using the primary literature as the main source of information. Each area of research covered will be analyzed in terms of the conceptual basis for its study, its advancement and evolution, and the experimental approaches that were used. Topics will range from prokaryotic transcription to eukaryotic development.

Note: Offered jointly with the Medical School as GN 703.0.

Prerequisite: BCMP 200 and Genetics 201.

[Genetics 218. Genotype to Phenotype: Epigenetics and Gene Regulation]

Catalog Number: 2252 Enrollment: Limited to 15.

Chao-Ting Wu (Medical School), William C. Forrester (Medical School), and Jeannie T. Lee (Medical School)

Half course (spring term). Hours to be arranged.

We will explore lesser known forms of gene regulation, such as X-inactivation, imprinting, transvection, RIP, paramutation, methylation, and nuclear compartmentalization, taking examples from prokaryotes, ciliates, fungi, plants, insects, and mammals. Paper discussions, lectures, student presentations.

Note: Expected to be given in 2003–04. Expected to be omitted in 2004–05. 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.

The focus of this course is on the scientific, clinical, and ethical aspects of modern human genetics. Basic science lectures covering genetic approaches and molecular underpinnings of inherited diseases are integrated with patient presentations and discussion. An outside project puts each student in direct contact with clinicians, researchers, and patients dealing in a particular disorder.

Note: Offered jointly with the Medical School as HST 160.

Genetics 224. Genomics and Computational Biology

Catalog Number: 6672

George M. Church (Medical School)

Half course (fall term). Tu., 12–2; Th., 5:30–7:30 p.m. and additional sections to be arranged.

EXAM GROUP: 14, 15

This course will assess the relationships among sequence, structure, and function in complex biological networks as well as progress in realistic modeling of quantitative, comprehensive, functional genomics analyses. Exercises will include algorithmic, statistical, database, and simulation approaches and practical applications to medicine, biotechnology, drug discovery,



and genetic engineering. Future opportunities and current limitations will be critically addressed.

Note: Offered jointly with the Medical School as HT 508.

Prerequisite: Introductory courses in biology, computer science, and statistics. If you have any doubt about your equivalent experience, you should attend the appropriate sections that will focus on catching up with extra sections supplementing catch-up topics in greatest demand.

Graduate Courses of Reading and Research

***Genetics 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 1037

Susan M. Dymecki (Medical School) 1736

Topics cover areas of interest in cell, molecular, and developmental biology such as molecular genetics of learning and memory, conservation of embryological mechanisms, molecular organogenesis, and biology of yeasts. Different topics are covered each term.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260

Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Genetics 301. Research in Molecular Genetics and Molecular Oncology**

Catalog Number: 4780

Philip Leder (Medical School) 7527

***Genetics 302. Molecular Biology of Plants: Control of Eukaryotic Gene Expression**

Catalog Number: 3650

Howard M. Goodman (Medical School) 7526

***Genetics 303. Pathogenesis**

Catalog Number: 1972

Frederick Ausubel (Medical School) 4639

***Genetics 304. Molecular Genetics Basis of Human Disease, Particularly Cardiovascular Pathogenesis**

Catalog Number: 0693

Christine E. Seidman (Medical School) 3013

***Genetics 305. Genetics, Receptors and Ion Channels**

Catalog Number: 9027

Jing Zhou (Medical School) 3779

***Genetics 306. Inherited Human Disorders**

Catalog Number: 7324

Jonathan G. Seidman (Medical School) 7529



***Genetics 308. Molecular Biology of Signal Transduction**

Catalog Number: 5616
Brian Seed (Medical School) 7619

***Genetics 309. Gene Expression in Yeast**

Catalog Number: 3763
Fred Winston (Medical School) 7877

***Genetics 310. Molecular Approaches to Developmental Neurobiology**

Catalog Number: 6324
Constance L. Cepko (Medical School) 1150

***Genetics 311. Molecular Mechanisms of Transcription Regulation in Mammals**

Catalog Number: 7310
Robert E. Kingston (Medical School) 1153

***Genetics 312. Molecular Genetics of Development**

Catalog Number: 8363
Gary B. Ruvkun (Medical School) 1366

***Genetics 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 Leonia 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 324. Transformation and Leukemogenesis by abl Oncogenes; Hematopoiesis**

Catalog Number: 7286

Richard A. Van Etten (Medical School) 3266

***Genetics 325. Genomics and Complex Genetic 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 327. Mammalian Cell Cycle Control**

Catalog Number: 1535

Edward E. Harlow (Medical School) 2863

***Genetics 328. Lymphocyte Differentiation, Recombination, and Nuclear Oncogenes**

Catalog Number: 2702

Frederick W. Alt (Medical School) 3146

***Genetics 329. Genetic Analysis of Synaptic Transmission**

Catalog Number: 9734

Joshua M. Kaplan (Medical School) 3522

***Genetics 330. Critical Thinking and Research Proposal Writing**

Catalog Number: 0210 Enrollment: Open to all BBS students; others need approval of the instructor.

Alan M. Michelson (Medical School) 2029 and members of the Faculty

Half course (fall term). Tutorials to be scheduled individually by each group.

This course provides thorough coverage of the essential elements of hypothesis-driven research



proposal writing. Through a series of written exercises and class discussions, students will learn how to choose an appropriate research subject, define specific scientific hypotheses to advance the understanding of the chosen topic, design a series of properly controlled experiments to investigate these questions, anticipate potential outcomes and technical pitfalls of the proposed experiments, and consider alternative interpretation of the predicted results. Emphasis will be placed on the organization of these concepts in a coherent, appropriately structured written format. Groups of approximately four students and two faculty instructors will meet for six tutorials during the course of the fall semester. Discussions will focus on the critical assessment of model research proposals and on the development of original proposals by individual students within the group.

Prerequisite: Core course in genetics, cell biology, molecular biology, and biochemistry.

***Genetics 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 339. Molecular Organ Development**

Catalog Number: 3779

Mark C. Fishman (Medical School) 1170

***Genetics 340. Iron Metabolism in Red Blood Cells**

Catalog Number: 2936

Nancy Andrews (Medical School) 1589

***Genetics 343. Axis Establishment in Early Vertebrate Embryogenesis**

Catalog Number: 5304

Jeremy Green (Medical School) 1950



***Genetics 346. Molecular and Cell Biology of Serpins**

Catalog Number: 5323

Gary A. Silverman (Medical School) 2086

***Genetics 347. Genetics of Host Resistance to Infectious Disease**

Catalog Number: 5635

William F. Dietrich (Medical School) 2067

***Genetics 348. Molecular Genetics of Human Leukemias**

Catalog Number: 5908

D. Gary Gilliland (Medical School) 2068

***Genetics 349. Signal Transduction in Disease and Development**

Catalog Number: 0177

Andre Bernards (Medical School) 1824

***Genetics 350. Molecular Genetic Control of Mammalian Organogenesis**

Catalog Number: 4974

Richard L. Maas (Medical School) 3703

***Genetics 351. Using *Drosophila* as a Genetic System to Study Signal Transduction Pathways**

Catalog Number: 4998

Lizabeth A. Perkins (Medical School) 1604

***Genetics 352. Genetic and Molecular Approaches to Study 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 & 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 200. Lymphocyte Development and the Generation of Diversity]

Catalog Number: 2669

Shiv S. Pillai (Medical School), Frederick W. Alt (Medical School), Laurie H. Glimcher (Public Health), and Marjorie A. Oettinger (Medical School)

Half course (spring term). Hours to be arranged.

May be taken as a half-course or two quarter courses offered sequentially, one on V(D)J recombination, somatic mutation and isotype switching, and the other on cell selection events and transcriptional regulation during lymphocyte development.

Note: Expected to be given in 2003–04. Given in alternate years. The quarter courses are offered under Immunology 300. Offered jointly with the Medical School as IM 700.0. Given in alternate years.

Prerequisite: Genetics or Introductory Immunology course at the undergraduate or graduate level.

***Immunology 201. Principles of Immunology**

Catalog Number: 8337

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.

As a comprehensive core course in immunology, the topics include a broad but intensive examination of the cells and molecules of the immune system. Special attention is given to the experimental approaches that led to the general principles of immunology.

Note: Background in genetics and biochemistry is strongly recommended. Offered jointly with the Medical School as IM 702.0.

Prerequisite: This course is intended for students who have had prior exposure to immunology on the undergraduate level. In the absence of such exposure, students **MUST** obtain the permission of the Course Director.

Immunology 204. Critical Readings for Immunology

Catalog Number: 9563

Anjana Rao (Medical School) and associates

Half course (spring term). Th., 3–6.

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 205. Principles of Clinical Immunology]

Catalog Number: 7604

Richard L. Stevens (Medical School) and associates

Half course (spring term). Hours to be arranged.

Focuses on the molecular mechanism of immunologic diseases. A detailed examination of the current scientific literature and experimental approaches used to elucidate the mechanisms of these diseases is the subject of a combination of discussions and brief introductory lectures.

Note: Expected to be given in 2003–04. Given in alternate years. Offered jointly with the Medical School as IM 707.0.

Prerequisite: General immunology and a strong knowledge of biochemistry is suggested.

[Immunology 217. Signal Transduction and Gene Regulation in the Immune System]

Catalog Number: 8205 Enrollment: Limited to 16.

Anjana Rao (Medical School), Hamid Band (Medical School), Michael Pazin (Medical School), and Brian Seed (Medical School)

Half course (spring term). Hours to be arranged.

An advanced discussion of the mechanisms of signal transduction and inducible gene expression in cells of the immune system, with reference to non-immune cells types and systems. The two parts of this course are offered in sequence as individual quarter courses, the first on cell signaling and the second on transcriptional regulation. They may also be taken together as semester-long half course. The topics to be discussed include: protein modules and protein-protein interactions; antigen and coreceptor stimulatory pathways; adhesion receptors and lymphocyte homing; negative signaling and tolerance; viral subversion of the immune response; calcium signaling; MAP kinase cascades; cell activation and cell death; cytokine signalling; NFkB; cooperative mechanism in gene transcription; histone acetylation and DNA methylation; chromatin; locus control; and new approaches to the study of immune system function in vivo.

Note: Expected to be given in 2003–04. Given in alternate years. Offered jointly with the Medical School as IM 727.0.

Prerequisite: General biochemistry and immunology.

[*Immunology 219. Immunodeficiencies and Infectious Diseases]

Catalog Number: 1873

Cox Terhorst (Medical School), Michael B. Brenner (Medical School), Raif S. Geha (Medical School), Norman Letvin (Medical School), Fred S. Rosen (Medical School), and Michael Starnbach (Medical School)

Half course (spring term). Hours to be arranged.

This course will be divided into two parts. The first quarter describes genetically determined human immunodeficiency patients, murine immunodeficiencies caused by homologous recombination or introduction of transgenes, and human and animal acquired immunodeficiencies. Examines impact of defects on lymphoid differentiation and on immune responses. Evaluates use of animal models for study and therapy of human disease states. The second quarter characterizes natural host immune responses that contain infectious agents.



Interactions between HIV and cells of the immune system will be emphasized. The two parts of this course can be taken together as a half course, or individually as a quarter course under Immunology 300.

Note: Expected to be given in 2003–04. 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

Reading and discussion seminars each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit. Topics include the role of intracellular and transmembrane protein phosphates in signal transduction.

Note: Designed primarily for first- and second-year Immunology graduate students. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Immunology 301. Immunology Seminar**

Catalog Number: 4971

Hidde Ploegh (Medical School) 3143

Half course (fall term; repeated spring term). Hours to be arranged.

Gives students exposure to research topics in Immunology. Students prepare for the weekly seminar through readings and occasional discussion with the seminar speakers. These discussions are facilitated by members of the Committee on Immunology.

Note: Designed primarily for first- and second-year Immunology graduate students.

***Immunology 302. Molecular Basis of Humoral Immunologic Inflammation**

Catalog Number: 1355

K. Frank Austen (Medical School) 1571

***Immunology 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 Biology of Immune Cell Interactions**

Catalog Number: 0293

Timothy A. Springer (Medical School) 6145

***Immunology 323. Research in Molecular Immunology**

Catalog Number: 3425

Laurie H. Glimcher (Public Health) 1362

***Immunology 324. T-cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 1905

Christophe O. Benoist (Medical School) 3928

***Immunology 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

***Immunology 329. Basic and Clinical Mechanisms of Autoimmunity**

Catalog Number: 0354
Howard L. Weiner (Medical School) 1335

***Immunology 330. Molecular Aspects of Mast Cells—Mediated Immune Responses**

Catalog Number: 7296
Richard L. Stevens (Medical School) 2892

***Immunology 333. Immunopathogenesis of Viral Diseases**

Catalog Number: 2430
Norman Letvin (Medical School) 2317

***Immunology 334. Molecular Aspects of Immunoregulation and T-Cell Activation**

Catalog Number: 0492
Christopher E. Rudd (Medical School) 2310

***Immunology 335. T-Cell Receptor Interactions in Autoimmune Diseases**

Catalog Number: 4027
David Hafler (Medical School) 2616

***Immunology 336. T-Lymphocyte Recognition and Adhesion**

Catalog Number: 7292
Michael B. Brenner (Medical School) 2864

***Immunology 337. Development of Mucosal Immunologic Factor**

Catalog Number: 1320
W. Allan Walker 1175

***Immunology 338. Signal Transduction in the Immune System**

Catalog Number: 5458
Hamid Band (Medical School) 2867

***Immunology 339. Function and Regulation of Cellular Adhesion Mechanisms**

Catalog Number: 7841
Martin E. Hemler (Medical School) 2868

***Immunology 340. The Human Major Histocompatibility Complex, Immune Function, and Disease**



Catalog Number: 6650
Chester Alper (Medical School) 2951

***Immunology 344. Genetic Analysis of Lymphocyte Development and Nuclear Oncogene Function**

Catalog Number: 6438
Frederick W. Alt (Medical School) 3146

***Immunology 345. Assembly and Function of pre-B Cell-fate and B Lymphocyte Antigen Receptors**

Catalog Number: 0866
Shiv S. Pillai (Medical School) 3393

***Immunology 346. The Role of Complement in the Immune Response**

Catalog Number: 1755
Michael C. Carroll (Medical School) 2050

***Immunology 348. Cell Biology, Biochemistry, and Immunology of Leukocyte-endothelial Adhesion**

Catalog Number: 0901
Francis W. Luscinskas (Medical School) 3772

***Immunology 349. Mechanisms of T Cell and NK Cell Tolerance**

Catalog Number: 1241
Megan Sykes (Medical School) 1131

***Immunology 350. Regulation of Autoimmune T Cell Responses**

Catalog Number: 1916
Vijay K. Kuchroo (Medical School) 2041

***Immunology 354. Topics in Transplantation Biology**

Catalog Number: 1459
David H. Sachs (Medical School) 1075

***Immunology 355. Biochemistry of MHC Class I- and MHC Class II-restricted Antigen Presentation**

Catalog Number: 7338
Hidde Ploegh (Medical School) 3143

***Immunology 356. Cytotoxic T Lymphocytes**

Catalog Number: 8232
Judy Lieberman (Medical School) 1542

***Immunology 357. T Cell-Epithelial Cell Interactions in Mucosal Community**

Catalog Number: 2111
Richard S. Blumberg (Medical School) 2351



***Immunology 360. Focus on the Hematopoietic Stem Cell in the Context of AIDS and Cancer**

Catalog Number: 8952

David T. Scadden (Medical School) 2649

***Immunology 361. Induction and Regulation of Antigen-specific T Cell Responses**

Catalog Number: 7578

Gilles A. Benichou (Medical School) 2652

***Immunology 362. Basic Biology and Pathobiology of the Chemokine Superfamily of Cytokines**

Catalog Number: 3817

Andrew D. Luster (Medical School) 2654

***Immunology 363. Regulation of Mast Cell Activation 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 384. Development of Cancer Vaccines**

Catalog Number: 1505

Glenn Dranoff (Medical School) 1821

***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 390. Immune Defense in Infectious Disease**

Catalog Number: 1794

Robert Finberg (Medical School) 2195

***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

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.-F., 8:30–12.

This course describes the physiological mechanisms underlying the functions and interactions of the major systems of the human body, including the cardiovascular, renal, gastrointestinal, respiratory, endocrine, and reproductive systems. Particular emphasis is placed on the interactions between these systems and the overall integration of physiological functions. The course is geared primarily toward small group exercises including case discussions, problem sets, hospital based demonstrations, and laboratories.

Note: Offered jointly with the Medical School as IN 712.0. Students taking the course for credit are expected to attend all course sessions. Permission of both the course director and the Medical School Registrar is required.

***Medical Sciences 250ab. Human Functional Anatomy**

Catalog Number: 6946 Enrollment: Limited to 48. Minimum 25.

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: The first class meeting is in early September. Open to qualified graduate students with permission of the course director. Students must register with the course director before the first day of class (Lee Gehrke@hms.harvard.edu). 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: Contact instructor: E-mail eam@epl.meei.harvard.edu Tel:573-4232. Offered jointly with the Medical School as MS 701.0.

Prerequisite: Cell biology or biochemistry.

Graduate Courses of Reading and Research

***Medical Sciences 300. Conduct of Science**

Catalog Number: 1815

Thomas O. Fox (Medical School) 4542

***Medical Sciences 399. Topics in Medical Sciences**

Catalog Number: 3197



Thomas O. Fox (Medical School) 4542
Subject selected by students and faculty member.

Microbiology and Molecular Genetics

All courses in Microbiology and Molecular Genetics are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

Microbiology 200. Molecular Microbiology and Pathogenesis

Catalog Number: 7773

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.

Course will be devoted primarily to bacterial structure, physiology, genetics, regulatory mechanisms and pathogenesis. Class time will consist of a combination of: 1) lecture, 2) presentations emphasizing methods, results and interpretation of classic and contemporary literature, 3) guest seminars, and 4) small group discussions of papers.

Note: Offered jointly with the Medical School as MG 726.0. Course website

<http://gasp.med.harvard.edu/micro200/index.html>

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Catalog Number: 2480 Enrollment: May be limited.

Clyde S. Crumpacker II (Medical School), Harvey B. Simon (Medical School) and associates

Half course (fall term). Tu., Th., 8:30–1.

The mechanisms of bacterial, mycoplasmal, fungal, and viral pathogenesis are covered. Topics are selected for intrinsic interest and cover the spectrum of pathophysiologic mechanisms of the infectious process. Emphasis on pathogenesis at the molecular level.

Note: Offered jointly with the Medical School as HT 040.

Microbiology 209. Molecular Biology of Bacterial Development and Multicellularity

Catalog Number: 2698 Enrollment: Limited to 12.

Roberto G. Kolter (Medical School)

Half course (spring term). Hours to be arranged.

The course 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: Given in alternate years. A minimum of 8 interested students are required to offer the course, open to graduate and advanced undergraduate students. Contact the instructor at least one week before the start of spring term via email at rkolter@hms.harvard.edu. 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.

Pathways and energy metabolism. A discussion course based on papers.

Note: Contact the instructor at 432-1912. Offered jointly with the Medical School as MG 728.0.

[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). Hours to be arranged.

Readings and discussion of social and ethical aspects of such topics as history and philosophy of science; biology, race, gender; science journalism; genetic testing; patents; human behavior genetics; biological weapons; science and the two cultures.

Note: Expected to be given in 2003–04. Given in alternate years. Offered jointly with the Medical School as MG 722.0.

Prerequisite: Some background in genetics.

Microbiology 230. Analysis of the Biological Literature

Catalog Number: 3791 Enrollment: Limited to and required of all first-year BBS students.

Andrea I. McClatchey (Medical School), Azad Bonni (Medical School), Alan D. D'Andrea (Medical School), Elaine A. Elion (Medical School), Andrius Kazlauskas (Medical School), Karl Münger (Medical School), Jeffrey D. Parvin (Medical School), David Pellman (Medical School), Thomas M. Schultheiss (Medical School), Piotr Sicinski (Medical School), and Sheila Thomas (Medical School)

Half course (fall term). Tu., Th., 4:30–7:30 p.m.

Critical analysis of original research articles in an intensive small group discussion format.

Papers will be analyzed in terms of background, hypothesis, appropriate use of experimental methods, and objective interpretation of results. Covers a wide range of papers in biochemistry, genetics, microbiology, and cell and developmental biology.

Graduate Courses of Reading and Research

Primarily designed for work on a thesis problem, carried out under the supervision of the following faculty members, whose special research interests are listed. Courses in parasitology are listed in the catalog of the Harvard School of Public Health (see Pathology).

***Microbiology 300. Advanced Topics in Microbiology and Molecular Genetics**

Catalog Number: 2304

Michael Starnbach (Medical School) 1816

A series of reading and discussion seminars, each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.



***Microbiology 303. Transcription Regulation During Mammalian Embryogenesis**

Catalog Number: 4112

Mary R. Loeken (Medical School) 3151

***Microbiology 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 306. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 3185

Ronald C. Desrosiers (Medical School) 1874

***Microbiology 307. Growth Factors and Signal Transduction**

Catalog Number: 5726

Charles D. Stiles (Medical School) 4828

***Microbiology 308. Infectious Disease & Basic Microbiological Mechanisms**

Catalog Number: 4217

Dennis L. Kasper (Medical School) 4815

***Microbiology 309. Microbial Metabolism**

Catalog Number: 5086

Dan G. Fraenkel (Medical School) 1169

***Microbiology 311. Bacterial Genetics**

Catalog Number: 7402

Jonathan R. Beckwith (Medical School) 1173

***Microbiology 313. T-Lymphocyte Responses to Bacterial Pathogens**

Catalog Number: 4959

Michael Starnbach (Medical School) 1816

***Microbiology 314. Cell Interactions in Vertebrate Development**

Catalog Number: 0862

Sergei Y. Sokol (Medical School) 3530

***Microbiology 315. Biochemical Mechanisms Controlling Cell Growth and Differentiation**

Catalog Number: 3273

Michael E. Greenberg (Medical School) 1400



***Microbiology 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 319. Regulation of Gene Expression and Evolution of Metabolic Pathways in Bacteria**

Catalog Number: 1168

Edmund C. C. Lin (Medical School) 1183

***Microbiology 320. Molecular Biology of Herpes Viruses**

Catalog Number: 3967

David M. Knipe (Medical School) 7089

***Microbiology 321. Molecular Biology of Bacterial Interactions**

Catalog Number: 2903

Roberto G. Kolter (Medical School) 7727

***Microbiology 322. Biochemistry of Bacterial Toxins**

Catalog Number: 4970

R. John Collier (Medical School) 7972

***Microbiology 323. Molecular Genetic Analysis of Virulence Factors in Gram-Negative Pathogens and Construction of Recombinant Vaccines**

Catalog Number: 4931

Stephen Calderwood (Medical School) 3520

***Microbiology 324. Bacterial Pathogenesis 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 333. Bacterial Pathogenesis**

Catalog Number: 4275

Catherine A. Lee (Medical School) 3259

***Microbiology 335. Molecular Biology of Parasites**

Catalog Number: 0528

Dyann F. Wirth (Public Health) 2492

***Microbiology 336. Pathogen-host Interactions**

Catalog Number: 3981

Marcia Goldberg (Medical School) 3783

***Microbiology 338. Structure-Function of Human Mannose-Binding Protein**

Catalog Number: 4424

R. Alan Ezekowitz (Medical School) 1808

***Microbiology 340. Herpes Virus Transformation and Gene Transfer Vector**

Catalog Number: 8544

Jae Ung Jung (Medical School) 2048

***Microbiology 341. DNA Recombination and Repair in Mammalian Cells**

Catalog Number: 6153

David T. Weaver (Medical School) 2031

***Microbiology 342. Reovirus Structure, Assembly, and Particle Functions in Entry and RNA Synthesis**

Catalog Number: 4181

Max L. Nibert (Medical School) 3896

Neurobiology

Primarily for Graduates

[Neurobiology 200. Introduction to Neurobiology](#)

Catalog Number: 6062 Enrollment: Limited to 45.

David P. Corey (Medical School), John A. Assad (Medical School), Gabriel Corfas (Medical School), and Matthew P. Frosch (Medical School)

Half course (fall term). M., W., F., 9–12.

Modern neuroscience from molecular biology to perception and cognition. Includes cell biology of neurons and glia; ion channels and electrical signaling; synaptic transmission and integration; chemical systems; brain anatomy and development; sensory systems; motor systems; higher cognitive function.



Note: Offered jointly with the Medical School as HT 130. Follows the Medical School calendar. 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 will be analyzed at three levels: the electrophysiological properties of single neurons, synaptic interactions between neurons *in vitro*, and the behavior of the circuits *in vivo*.

Note: Offered jointly with the Medical School as NB 721.0.

Prerequisite: Neurobiology 220.

[Neurobiology 206. Molecular Mechanisms of Synapse and Signaling]

Catalog Number: 1733

Jonathan B. Cohen (Medical School) and Thomas L. Schwarz (Medical School)

Half course (spring term). Tu., Th., 9:30–11.

Introduction to the molecular mechanisms of synaptic function, receptor recognition, and regulation. Topics include the structure and function of neurotransmitter receptors and their intracellular signalling pathways, and the mechanisms involved in the storage and release of neurotransmitters.

Note: Expected to be given in 2003–04. Given in alternate years. Offered jointly with the Medical School as NB 718.0.

Prerequisite: Knowledge of introductory biochemistry and neurobiology.

Neurobiology 207. Developmental Neurobiology

Catalog Number: 4977 Enrollment: Limited to 30.

Stefan Thor (Medical School), Qiufu Ma (Medical School), Rosalind A. Segal (Medical School) and Dietmar Schmucker (Medical School)

Half course (spring term). Tu., Th., 3–5.

Development of the nervous system. Topics include delineation of neural vs. non-neural tissues; axial and segmental patterning; cell lineage; specification of neuronal identity; axonal outgrowth and guidance; synapse formation and regression; hormonal influences on nervous system development.

Note: Offered jointly with the Medical School as NB 720.0.

Prerequisite: *Neurobiology 200 or permission of instructor.

[Neurobiology 209. The Neurobiology of Disease]

Catalog Number: 5562

Edward A. Kravitz (Medical School), Robert H. Brown (Medical School), and Walter J. Koroshetz (Medical School)

Half course (spring term). M., 4–6:30, W., 7–9:30.

For advanced undergraduate and graduate students. 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: Expected to be given in 2003–04. Given in alternate years. Offered jointly with the Medical School as NB 713.0. Introductory neurobiology, biochemistry, and molecular biology are recommended.

***Neurobiology 220. Cellular Neurophysiology**

Catalog Number: 2141

Bruce P. Bean (Medical School), Gary I. Yellen (Medical School), and Wade G. Regehr (Medical School)

Half course (fall term). Tu., Th., 9:30–12 and weekly discussion section.

Introduction to the physiology of neurons. Topics include structure and function of ion channels, generation and propagation of action potentials, physiology of synaptic transmission, and mechanisms of neurotransmitter modulation of neuronal activity. Includes problem sets and reading of original papers.

Note: Offered jointly with the Medical School as NB 714.0.

Prerequisite: Introductory neurobiology.

***Neurobiology 221. Molecular Neurobiology**

Catalog Number: 0443

Charles J. Weitz (Medical School) 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: Given in alternate years. Offered jointly with the Medical School as NB 715.0.

Prerequisite: Introductory neurobiology (may be taken concurrently).

Graduate Courses of Reading and Research

***Neurobiology 300. Advanced Topics in Neurobiology**

Catalog Number: 6206

Larry I. Benowitz (Medical School) 3150 and associates

Topics cover areas at the molecular, cellular, and systems levels in both basic and clinical neuroscience.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, are required for credit. Offered jointly with the Medical School as NB 719.0. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 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 314. Structure and Function in the Central Nervous System**

Catalog Number: 3994

Ursula C. Dräger (Medical School) 6137

***Neurobiology 315. Neurotrophins and Cerebellar Development**

Catalog Number: 0128

Rosalind A. Segal (Medical School) 1564

***Neurobiology 316. Laboratory of Pain Physiology**

Catalog Number: 0222

Rami Burstein (Medical School) 1294

***Neurobiology 318. Molecular Genetics of Cerebral Cortical Development**

Catalog Number: 0825

Christopher A. Walsh (Medical School) 1560

***Neurobiology 319. Neurological Control of Cell Growth and Differentiation**

Catalog Number: 2991

Michael E. Greenberg (Medical School) 1400

***Neurobiology 320. Neuroprotection and Neuronal Repair in Neurodegenerative Disease**

Catalog Number: 4825

Ole S. Isacson (Medical School) 2077



***Neurobiology 321. Higher Functions in the CNS**

Catalog Number: 5387

Margaret S. Livingstone (Medical School) 1064

***Neurobiology 322. Cellular and Molecular Mechanisms in Axon Guidance and Regeneration**

Catalog Number: 2873

Zhigang He (Medical School) 3910

***Neurobiology 324. Research in Neuropeptide Gene Regulation**

Catalog Number: 4057

Joseph A. Majzoub (Medical School) 1875

***Neurobiology 325. Synaptic Transmissions and Dendritic Processing**

Catalog Number: 2065

Wade G. Regehr (Medical School) 1606

***Neurobiology 327. Rotations in Neurosciences**

Catalog Number: 5694

Jonathan B. Cohen (Medical School) 1120

***Neurobiology 328. Mechanisms of Cell Death in Stroke and Trauma**

Catalog Number: 8967

Eng H. Lo (Medical School) 3049

***Neurobiology 329. Molecular and Cell Biology of Alzheimer's Disease**

Catalog Number: 8816

Dennis J. Selkoe (Medical School) 2857

***Neurobiology 330. To Establish Causal Relationships between Gene Expression in the Brain and Motivated Behavior**

Catalog Number: 6269

William A. Carlezon (Medical School) 3929

***Neurobiology 331. Molecular Mechanisms that Control Neuronal Differentiation Nerve Growth and Regeneration in the Mammalian Brain and Retina**

Catalog Number: 9045

Dong Feng Chen (Medical School) 3930

***Neurobiology 332. Ligand-Gated Ion Channels: Structure and Function**

Catalog Number: 1623

Jonathan B. Cohen (Medical School) 1120

***Neurobiology 333. Intercellular Communication**

Catalog Number: 2484

David L. Paul (Medical School) 2318



***Neurobiology 335. Hair Cell Regeneration in the Avian Cochlea; Development of the Cochlear Sensory Epithelium**

Catalog Number: 7218

Douglas Allen Cotanche (Medical School) 3933

***Neurobiology 337. Neurobiology of the Human Circadian Pacemaker**

Catalog Number: 5322

Charles A. Czeisler (Medical School) 7763

***Neurobiology 338. Neural Circuitry of Primate Visual Cortex**

Catalog Number: 5634

Richard T. Born (Medical School) 1787

***Neurobiology 340. Neuronal Interactions within the Retina; Processing of Visual Information; Development of the Retina**

Catalog Number: 5261

John E. Dowling 3545 (on leave fall term)

***Neurobiology 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

***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 354. Age-Dependent Effects of Epilepsy and Excitotoxicity with a Specific Interest in the Interaction between Seizures and Brain Development**

Catalog Number: 5702

Frances E. Jensen (Medical School) 3940

***Neurobiology 355. Neuronal Signal Transduction Pathways**

Catalog Number: 6914

Christine L. Konradi (Medical School) 3942

***Neurobiology 356. Ion Channels in Neural Cell Membranes**

Catalog Number: 8368

David P. Corey (Medical School) 1345

***Neurobiology 357. Neuropharmacology of the Auditory System**

Catalog Number: 2531

William F. Sewell (Medical School) 1616

***Neurobiology 358. Neurogenetics of Human Disease**

Catalog Number: 7616

Xandra O. Breakefield (Medical School) 1428

***Neurobiology 359. Molecular, Neuroanatomic, Electrophysiologic and Behavioral Analysis of Gestational Cocaine Exposure (in mice)**

Catalog Number: 9208

Barry E. Kosofsky (Medical School) 3943



***Neurobiology 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 371. Understanding the Mechanisms that Control the Generation and Differentiation of Neurons**

Catalog Number: 9968

Stefan Thor (Medical School) 2694



***Neurobiology 372. Neurotransmitter Control of Ion Channels**

Catalog Number: 7104

Bruce P. Bean (Medical School) 1148

***Neurobiology 373. Developmental Studies of the Murine Trigeminal 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 378. Molecular Mechanisms in the Development of Muscle Cell Diversity**

Catalog Number: 2555

Jeffrey B. Miller (Medical School) 4194

***Neurobiology 379. Growth Factor Regulation of Neural Development and Oncogenesis**

Catalog Number: 7751

Scott L. Pomeroy (Medical School) 3947

***Neurobiology 380. Functional Wiring of the Rabbit Retina, Control of Postnatal Development**

Catalog Number: 4965

Elio Raviola (Medical School) 3582

***Neurobiology 381. Mechanisms of Action of Neurotransmitters and Neuromodulators, Specifically Glutamate and Norepinephrine**

Catalog Number: 6912

Paul Allen Rosenberg (Medical School) 3949

***Neurobiology 382. The Role of the Hypothalamus and Particularly Melanin Concentrating Hormone in the Regulation of Energy Homeostasis**



Catalog Number: 1457

Eleftheria Maratos-Flier (Medical School) 4327

***Neurobiology 383. Studies of Primate Visual System, with Emphasis on the Retina and Visual Cortex**

Catalog Number: 1889

D. Max Snodderly (Medical School) 3952

***Neurobiology 384. Structure, Function, and Biological Roles of Na, K-ATPase isoforms in Excitable Tissue**

Catalog Number: 5762

Kathleen J. Sweadner (Medical School) 2148

***Neurobiology 385. Molecular basis of CNS Myelination and Axonal Signals that Specify Oligodendrocyte Development and Myelination**

Catalog Number: 6635

Timothy K. Vartanian (Medical School) 4068

***Neurobiology 386. Changes in the Function, Chemistry and Structure of Sensory Neurons that Contribute to Pain**

Catalog Number: 7609

Clifford Woolf (Medical School) 3956

***Neurobiology 387. CNS Development & Tumorigenesis**

Catalog Number: 1406

David H. Rowitch (Medical School) 3950

***Neurobiology 388. Cell Biological Biochemical and Molecular Studies on the Mechanisms by which Pathological Stimuli Induce Apoptosis in Neurons**

Catalog Number: 2030

Rajiv R. Ratan (Medical School) 3948

***Neurobiology 389. Transcription Regulation during Mammalian 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 395. Molecular Mechanisms of Learning and Memory and Alzheimer's Disease**

Catalog Number: 8211

Rachael L. Neve (Medical School) 3525

***Neurobiology 396. Non-invasive Neuroimaging Techniques to Examine Neural Pathways Involved in Chronic Pain**

Catalog Number: 9051

David Borsook (Medical School) 4470

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). M., Th., 4–5:30. EXAM GROUP: 9, 18

This course will examine the exciting advances in inner ear genetics and molecular biology. Topics include identifying “deafness genes”, genes and proteins recently identified as critical for proper inner ear function, development, and regeneration.

Note: Given in alternate years. Offered jointly with the Medical School as HT 730.

Prerequisite: Introductory courses in neurobiology and molecular biology are recommended.



[*Pathology 209. Tumor Pathophysiology and Transport Phenomenon]

Catalog Number: 5934

Rakesh K. Jain (Medical School)

Half course (fall term). M., 5–7:30 p.m.

Tumor pathophysiology plays a central role in the growth, metastasis, detection, and treatment of solid tumors. Principles of transport phenomena are applied to develop a quantitative understanding of angiogenesis (formation of new blood vessels), blood flow and microcirculation, metabolism and microenvironment, transport and binding of small and large molecules, movement of cancer and immune cells, metastatic process, radiotherapy, chemotherapy, immunotherapy, hyperthermia, and photodynamic therapy of solid tumors.

Note: Expected to be given in 2003–04. Given in alternate years. Offered by 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., 2–4.

An introductory course that will cover fundamental pathogenic mechanisms that underlie human disease disorders and will discuss a number of individual diseases, including cancer, neurodegenerative diseases and diseases of immune dysfunction. Faculty who are expert in specific areas of pathophysiology will lead the 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

Topics cover areas of interest in cell, molecular, and developmental biology such as signal integration in the cell, biology of growth factors, and cell adhesion molecules. Different topics are covered each term.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 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 305. Oncology: Immunogenetics**

Catalog Number: 0277

Jeffrey L. Sklar (Medical School) 3528

***Pathology 307. Polarity and Trafficking of Membrane Proteins in Epithelial Cells**

Catalog Number: 0874

Dennis Brown (Medical School) 1582

***Pathology 308. Genetic Models of Human Disease**

Catalog Number: 1918

Michael C. Carroll (Medical School) 2050

***Pathology 309. Characterization of Inflammatory Cytokines**

Catalog Number: 1076

Martin E. Dorf (Medical School) 4541

***Pathology 310. Cellular and Molecular Regulation of Vascular Development**

Catalog Number: 2653

Patricia A. D'Amore (Medical School) 1168

***Pathology 311. Multiprotein Complexes in Transcriptional Regulation**

Catalog Number: 5846

Grace Gill (Medical School) 1811

***Pathology 312. Research in Molecular Cytogenetics**

Catalog Number: 7347

Cynthia C. Morton (Medical School) 2194

***Pathology 313. Research in Integrin Signaling, Cytoskeleton, and Control of Angiogenesis**

Catalog Number: 4139

Donald E. Ingber (Medical School) 2832

***Pathology 314. Molecular Biology of Immune Cell Interactions**

Catalog Number: 1156

Timothy A. Springer (Medical School) 6145



***Pathology 315. Mechanisms for Cell Adhesion and Migration**

Catalog Number: 1212

Martin E. Hemler (Medical School) 2868

***Pathology 316. Control of Gene Expression in Tumorigenesis and Differentiation**

Catalog Number: 3892

Thomas M. Roberts (Medical School) 7729

***Pathology 318. Molecular Aspects of Immunoregulation and T-Cell Activation**

Catalog Number: 0126

Christopher E. Rudd (Medical School) 2310

***Pathology 319. Gene Regulation in the Immune Response**

Catalog Number: 1859

Anjana Rao (Medical School) 1854

***Pathology 320. Ultrastructural Cell Biology of Basophil, Mast Cells, Eosinophils, Neutrophils, and Endothelial Cells in Health and Disease**

Catalog Number: 4144

Ann M. Dvorak (Medical School) 1583

***Pathology 321. Signaling Mechanisms Regulating Cell Survival and Differentiation in the Nervous System; Intracellular Signaling Mechanisms in the Development of the Mammalian CNS**

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. Molecular Biology of Endothelium: Transcriptional Regulation of Endothelial-Leukocyte Adhesion Molecules**

Catalog Number: 2609

Tucker Collins (Medical School) 1828

***Pathology 332. Mechanisms Used by Small DNA Tumor Viruses to Disrupt Controls of Cellular Proliferation**

Catalog Number: 0445

Nicholas J. Dyson (Medical School) 1829

Pathology 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 339. Cell-Cell and Cell-Matrix Adhesion; Regulation of Apoptosis**

Catalog Number: 0205

Ivan Stamenkovic (Medical School) 1834

***Pathology 341. Phagocyte Development and Gene Regulation**

Catalog Number: 5036

Daniel G. Tenen (Medical School) 1172

***Pathology 343. Cell Adhesion in Vascular Biology**

Catalog Number: 4822

Denisa D. Wagner (Medical School) 2092

***Pathology 345. Vascular Interstitial Biology of Solid Tumors**

Catalog Number: 5633

Rakesh K. Jain (Medical School) 2079

***Pathology 346. Biochemistry of Gene Expression**

Catalog Number: 5912

Jeffrey D. Parvin (Medical School) 2084

***Pathology 347. Genetic, Molecular, and Cellular Analysis of Nervous System Function and Development**

Catalog Number: 7591

Anne C. Hart (Medical School) 1010

Pathology 348. Cell-cycle Regulation and Checkpoint Control During Animal Development, Using *C. elegans

Catalog Number: 7924

Sander Van Den Heuvel (Medical School) 2256

***Pathology 349. Mammalian Chromatin Structure and Gene Expression**

Catalog Number: 9199

William C. Forrester (Medical School) 1859

***Pathology 350. Topics in Vascular Biology**

Catalog Number: 0289

Michael A. Gimbrone (Medical School) 1896

***Pathology 351. Cytoskeleton in Cancer Development and Progression**

Catalog Number: 5656

Andrea I. McClatchey (Medical School) 2204



***Pathology 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 Liquid-Receptor Interactions**

Catalog Number: 9969

Stephen C. Blacklow (Medical School) 1462

***Pathology 355. DNA Replication in Normal and Cancer Cells**

Catalog Number: 7108

Anindya Dutta (Medical School) 2023

***Pathology 356. Biochemical and Genetic Analysis of Chromatin and Transcription**

Catalog Number: 8837

Michael Pazin (Medical School) 2646

***Pathology 357. Regulation of Mammalian Cell Death**

Catalog Number: 2139

Stanley J. Korsmeyer (Medical School) 2839

***Pathology 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 discussion group.

Note: Offered jointly with the Medical School as MG 723.0.

Virology 201. Animal Virology: Seminar

Catalog Number: 6025

Joseph G. Sodroski (Public Health), Heinrich G.J. Gottlinger (Medical School), Jae Ung Jung (Medical School), and Frederick C. Wang (Medical School)

Half course (fall term). W., 1:30–4:30.

Through critical reading and research proposal writing, students will examine aspects of virus replication, viral pathogenesis, and treatment and prevention of viral infections. Examples will be drawn primarily from HIV, EBV and HHV-8.

Note: Offered jointly with the Medical School as MG 724.0.

Prerequisite: General background in biochemistry and virology.

Virology 202. Readings in Virology

Catalog Number: 6075

Karl Münger (Medical School) and Max L. Nibert (Medical School)

Half course (fall term). W., 3–5.

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: Enrollment 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 303. Enzymology of DNA Replication**

Catalog Number: 6716

Charles C. Richardson (Medical School) 2479

***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 (spring term only)

***Virology 306. Structure and Function of Herpesvirus DNA Polymerase and the HIV Reverse Transcriptase; Resistance to Antiviral Drugs in Clinical Viral Isolates and Mechanisms of Resistance and Pathogenesis**

Catalog Number: 6968

Clyde S. Crumpacker II (Medical School) 1092

***Virology 307. Genetics and Biochemistry of Prokaryotic Transposable Elements and Yeast Meiotic Chromosome Metabolism**

Catalog Number: 6097

Nancy Kleckner 4697 (on leave spring term)

***Virology 308. Molecular Genetics of Herpes Virus**

Catalog Number: 3000

Donald M. Coen (Medical School) 7617

***Virology 309. Human Oncogenic Viruses**

Catalog Number: 4011

Jack L. Strominger 1193

***Virology 310. Cellular Transformation by SV40**

Catalog Number: 0221

James A. DeCaprio (Medical School) 1296



***Virology 311. Molecular Biology of Epstein-Barr Infection**

Catalog Number: 0513

Frederick C. Wang (Medical School) 1297

***Virology 312. Molecular Biology of Epstein-Barr Virus Infection and Transformation of B-Lymphocytes**

Catalog Number: 3483

Elliott D. Kieff (Medical School) 1858

***Virology 313. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 2528

Ronald C. Desrosiers (Medical School) 1874

***Virology 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. Fingerioth (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. Advanced Topics in Virology**

Catalog Number: 5966

Alan N. Engelman (Medical School) 2196

A series of reading and discussion seminars, each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Virology 332. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 9093

Raymond L. Erikson 7506

Medieval Studies



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Medieval Studies

Michael McCormick, Francis Goelet Professor of Medieval History (*Chair*)
Charles Donahue, Jr., Professor of Law (*Law School*)
Daniel G. Donoghue, Professor of English and American Literature and Language
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*on leave 2003-04*)
Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures
Jeffrey F. Hamburger, Professor of History of Art and Architecture
Seamus Heaney, Ralph Waldo Emerson Poet in Residence
Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave fall term*)
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
Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies
Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science and of Women's Studies (*on leave 2003-04*)
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, Harvard College Professor and Pope Professor of the Latin Language and Literature
Nicholas Watson, Professor of English and American Literature and Language
Thomas N. Bisson, Henry Charles Lea Professor of Medieval History (*on leave fall term*)

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 chair of the Committee on Medieval Studies for guidance as to the alternatives available in medieval studies. With the assistance of the Committee on Medieval Studies, the student may petition the Dean of the Graduate School for permission to work under the guidance of a specially appointed Ad Hoc Committee in a specific area of Medieval Studies. If this petition is approved, the Ad Hoc Committee will supervise the graduate student's program through the completion of the doctorate. Specific questions concerning Medieval Studies on either the undergraduate or the graduate level and requests for the pamphlet on Medieval Studies and the annual list of courses on medieval topics should be addressed to the Chairman of the Committee, Robinson Hall 201. For more information and to receive the 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). Hours to be arranged.

Familiarizes new scholars in art history, history, literature, and music with the research tools, techniques, and concepts required for advanced study of medieval evidence. "Medieval" ranges from Diocletian to the Renaissance, focusing on the Latin West but not neglecting Byzantium. Topics include an initiation to Latin paleography, from the 6th to the 17th century, codicology, general heuristics, hagiography, late and medieval Latin philology, late antique studies, numismatics, and diplomatic.

Note: Expected to be given in 2003–04.

[Medieval Studies 102. Intermediate Medieval Latin Palaeography and Manuscript Culture]

Catalog Number: 7124 Enrollment: Limited to 12.

Beverly Mayne Kienzle (Divinity School)

Half course (fall term). Hours to be arranged.

An introduction to Latin manuscripts and the historical and cultural context of their production and use. This course includes a practical initiation to Latin palaeography, frequent visits to the Houghton Library and opportunities to work with both actual manuscripts and facsimiles of famous manuscripts, practice in transcribing previously unedited texts and discussion of problems in textual criticism. Student presentations on current research in the history of Western manuscript culture.

Note: Expected to be given in 2003–04. Students will 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). Tu., 2–4. EXAM GROUP: 16, 17



An examination of the physical structure and means of production of early manuscripts and printed books based on examples in the Houghton Library.

[Medieval Studies 117. Constitutional and Legal History of Medieval England]

Catalog Number: 5468

Charles Donahue, Jr. (Law School)

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A survey of the ideas and events that shaped the structure of English law and governance from the Anglo-Saxon invasions to the Reformation Parliament. Topics include the formation of the kingdom of England, the emergence of institutions of royal governance, the relations between church and state, the development of Parliament, and the various institutional reactions to political conflict and social change.

Note: Expected to be given in 2003–04. 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). M., W., F., at 10 and a weekly section to be arranged. EXAM GROUP: 3

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.

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 (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: Offered by 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). W., 2–5. EXAM GROUP: 7, 8

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: Students will 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 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 90dl. Violent Love]

[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: Religious Perspectives on Beowulf](#)

[English 115b. Chaucer: The Canterbury Tales](#)

[*English 203. Early English Women Writers - Julian of Norwich and Margery Kempe: Graduate Seminar](#)

[*English 296. Descriptive and Analytical Bibliography: Graduate Seminar](#)

[*English 300hf. Old and Middle English: Doctoral Conference]

[*Folklore and Mythology 103. Oral Literature]

[*Folklore and Mythology 107a. Witchcraft from Paganism to the Early Modern Era](#)

[French 70a. Introduction to French Literature I: From the Middle Ages to Modernity](#)

[French 100. History of the French Language](#)

[French 102. Introduction to Medieval Literature and Old French]



[French 108. “Amours et armes:” A Study of Medieval Romances](#)

[French 213. In Search of a Medieval Subject]

[German 101. Introduction to Medieval Literature and Culture](#)

[Germanic Philology 200. Introduction to Middle High German](#)

[Germanic Philology 225. History of the German Language](#)

[Government 1060. The History of Ancient and Medieval Political Philosophy](#)

[Hebrew 171. The Problem of Language in Medieval Jewish Thought](#)

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages]

[Hebrew 176. Aristotle’s *Ethics* in Medieval Jewish Thought]

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar](#)

[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization]

[History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650](#)

[*History 90a. Major Themes in Medieval History](#)

[History 1101. Medieval Europe]

[History 1111. World of Late Antiquity](#)

[History 1133. Medieval England (ca. 871–1485)]

[History 1150. The Jews in Muslim and Christian Spain](#)

[History 1158. The Mediterranean in the Late Middle Ages, 1204–1500: Conference Course](#)

[History 1166. Family, Sex, and Marriage in Western Europe 1300-1700: Conference Course]

[History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course](#)

[History 1877b. History of the Near East, 1055–1517: Conference Course]

[History 1878a. Ottoman State and Society I \(1300–1550\)](#)

[*History 2101. Medieval Societies and Cultures: Proseminar](#)

[History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean](#)

[*History 2124. Medieval History: Seminar]

[History 2126. Medieval Law](#)

[History 2314. Research Methods in Renaissance History: Seminar]

[*History and Literature 97. Tutorial — Sophomore Year](#)

[History of Art and Architecture 12x. Introduction to Islamic Architecture (650-1650)]

[History of Art and Architecture 12y. Introduction to Islamic Art: Visual and Portable Arts in Context]

[History of Art and Architecture 14. Introduction to Early Medieval Art]

[History of Art and Architecture 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600]

[History of Art and Architecture 40. Court and Cloister in the Later Middle Ages]

[History of Art and Architecture 146x. The Art of Devotion](#)

[History of Art and Architecture 246. Byzantium under Siege, Byzantines and the Crusaders](#)

[History of Art and Architecture 284. The Numinous in Medieval Chinese 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 216. The History of Scientific Experience, 1200-1800: 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 120b (formerly Italian 120d). Dante's *Purgatorio* and *Paradiso*]

[Italian 123. Semantics of Desire: The Erotic Theme in Dante's Poetry]

[Italian 140. The *Novella* from Boccaccio to the Storytellers of the 16th Century]

[Italian 144. Life and Comedy in the Renaissance]

[Italian 230. Petrarca and the Divided Self](#)

[Italian 249. From Love to Madness: Orlando's Journey in Boiardo and Ariosto]

[Latin 3m. Latin Prose Selections \(Medieval\)](#)

[Linguistics 168. Introduction to Germanic Linguistics]

[Linguistics 250. Old Church Slavonic](#)

[Literature and Arts A-26. Dante's *Divine Comedy* and Its World](#)

[Literature and Arts A-68. Poets and Poetry in the Celtic Literary Tradition](#)

[Literature and Arts A-78. The Vikings and the Nordic Heroic Tradition]

[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court](#)

[Literature and Arts B-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 117. Fairy Tales and Their Tellers in the Middle Ages]

[Medieval Latin 251 (formerly Medieval Latin 151). Virgil in the Middle Ages]

[Music 191r. Topics in Medieval and Renaissance Music: Proseminar](#)

[Music 205. Medieval Notation]

[Music 211r. Topics in Medieval Music: Seminar]

[Music 212r. Chant: Seminar]

[Music 213r. Topics in Medieval Polyphony: Seminar]

[*Music 214r. Renaissance Music: Seminar](#)

[Religion 1420. History of Ancient Christianity from the Beginnings to the 4th Century](#)

[Religion 1432. Theology of the Icon](#)

[Religion 1434. History of Western Christianity, 300-1100]

[Religion 2426. Editing Greek Christian Literature: Seminar]

[*Scandinavian 200a. Introduction to Old Norse]

[Scandinavian 200br. Old Norse Literature: Edda and Saga]

[Slavic 130a. Bridges Between East and West: Culture and Society in Older Czech



Literature]

[Slavic 211. History of Muscovite Literature, 1400-1700: Conference Course]

[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](#)

Middle East Program

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Middle Eastern Studies

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies (*Chair*)

Eva Bellin, Associate Professor of Government

Steven C. Caton, Professor of Contemporary Arab Studies

Byron J. Good, Professor of Medical Anthropology (*Medical School*)

William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion

William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment

Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic

Michael Herzfeld, Professor of Anthropology (*on leave spring term*)

Roy Mottahedeh, Gurney Professor of History

Afsaneh Najmabadi, Professor of History and of Women's Studies

Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art

E. Roger Owen, A. J. Meyer Professor of Middle East History

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages

Frank E. Vogel, Assistant Professor of Law (*Law School*)

Irene J. Winter, William Dorr Boardman Professor of Fine Arts

The Center for Middle Eastern Studies was established for the purpose of integrating and reinforcing instruction and research in the languages, literatures, history, economics, and cultures of North Africa, the Middle East, and Islamic Central and South Asia, with the emphasis on the modern period. The Committee on Middle Eastern Studies is the degree committee that administers programs offered through the Center. To achieve its goals, the Center cooperates with departments within the Faculty of Arts and Sciences and with other faculties that have Middle Eastern interests, other regional studies centers, and various libraries and museums that



hold collections related to Middle Eastern and Islamic studies. The Center's aim is to offer a comprehensive program to provide integrated training for those planning careers in education, government service, or private industry, and to support research on the area.

The following degree programs are offered through the Center: Regional Studies Program—Middle East (A.M.): The program for this degree requires two years of study, leading to an A.M. It seeks to give the student both a broad background and a special competence in selected fields of Middle Eastern studies. Each student's needs and interests, as well as previous experience and qualifications, are taken into account in planning his or her course of study. This program is comparable to other regional studies programs, such as those for Russia and East Asia.

Joint Programs for the PhD: The Faculty of Arts and Sciences has approved joint programs with other faculty departments for the degree of PhD in Middle Eastern studies and in the fields of anthropology, fine arts, or history. (*A joint program in economics exists, but students are not being accepted at the present time for this program. Students interested in the economic history of the Middle East should apply to the program in History and Middle Eastern Studies.*) A PhD in political science with a Middle Eastern specialization is offered through the Department of Government, and applications for this program should be made to that department. A candidate for a joint PhD degree is usually expected to have completed an A.M. program in Middle Eastern studies or another relevant field, at Harvard or elsewhere, prior to admission as a doctoral candidate. Concurrent degrees are also offered in Islamic law and Middle Eastern and Islamic studies, which combine degree work in the Harvard Law School and the Faculty of Arts and Sciences. Joint or concurrent degrees with other departments and faculties are also possible on an *ad hoc* basis.

Languages: Competency in one or more of the languages of the Middle East is critical to advanced studies in this field. The master's program requires all students to attain a reading and speaking competence, at least at the intermediate level, in one of the major modern Middle Eastern languages: Arabic, Hebrew, Persian, or Turkish. Students who already have an adequate knowledge of one such language, and native speakers, will be required to study a second language. The PhD programs vary in their language requirements. In most cases, students must attain a thorough knowledge of a modern Middle Eastern language (see above), as well as a reading knowledge of one of the European languages: German, French, Italian, or Russian. In the History and Middle Eastern Studies Program, a written exam will be required in the language of the candidate's primary research, covering both primary and secondary sources in that language. As in the master's program, native speakers of Middle Eastern languages will be required to attain competence in a second Middle Eastern language. (For specific details on language requirements and language proficiency examinations, see the degree supplement *Degree Programs in Middle Eastern Studies*. Please note that the departments involved in the joint PhD programs, as well as the Committee on Middle Eastern Studies, at times revise their language requirement policies. Students are expected to keep in touch with their advisors and relevant language instructors at all times so they may be informed of possible changes to those requirements.)

Courses: Middle Eastern-related courses are offered in the Department of Near Eastern Languages and Civilizations—courses in Akkadian, Ancient Near East, Arabic, Aramaic,



Armenian, Armenian Studies, Early Iranian Civilizations, Ethiopic, Hebrew (Classical and Modern), Hebrew Literature and History, Iranian, Islamic Civilizations, Near Eastern Civilizations, Persian, Postbiblical Jewish Studies, Semitic Philology, Sumerian, and Turkish; and the Department of History—courses in Byzantine, Islamic, Judaic, and modern Middle Eastern history. Other appropriate courses are offered in the departments of Anthropology, Classics, Comparative Literature, the Core Curriculum, Fine Arts, Government, Linguistics, Music, Psychology, Sanskrit and Indian Studies, Slavic Languages and Literatures, Sociology, and the Study of Religion. Middle Eastern-related courses are also taught in the graduate schools of Business, Design, Divinity, Law, and Government. For more information about these programs, please refer to the degree supplement, *Degree Programs in Middle Eastern Studies*.

Mind, Brain, and Behavior

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Mind, Brain and Behavior

John E. Dowling, Harvard College Professor and Gordon and Llura Gund Professor of Neurosciences (*Co-Chair, spring term*) (*on leave fall term*)
 Ken Nakayama, Edgar Pierce Professor of Psychology (*Co-Chair*)
 Mark G. Baxter, Assistant Professor of Psychology
 Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology
 Susan E. Carey, Professor of Psychology
 Verne S. Caviness, Jr., Joseph P. and Rose F. Kennedy Professor of Child Neurology and Mental Retardation (*Medical School*)
 Catherine Dulac, Professor of Molecular and Cellular Biology
 Peter T. Ellison, Harvard College Professor and 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*)
 Albert M. Galaburda, Professor of Neurology (*Medical School*)
 Daniel T. Gilbert, Professor of Psychology (*on leave 2002-03*)
 Barbara J. Grosz, Higgins Professor of Natural Sciences
 David A. Haig, Professor of Biology
 Anne Harrington, Professor of the History of Science
 Marc D. Hauser, Harvard College Professor and Professor of Psychology
 Jill M. Hooley, Professor of Psychology (*on leave 2002-03*)
 Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology (*FAS*) and Professor of Psychiatry and Medical Anthropology (*Medical School*)



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, Assistant Professor of Molecular and Cellular Biology
Avrom J. Pfeffer, Assistant Professor of Computer Science on the Gordon McKay Endowment
Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
Susanna Siegel, Assistant Professor of Philosophy (*on leave 2002-03*)
Elizabeth S. Spelke, Professor of Psychology
Garrett B. Stanley, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
Robert A. Stickgold, Assistant Professor of Psychiatry (*Medical School*)
Mark Tramo, Assistant Professor of Neurology (*Medical School*)
Daniel M. Wegner, Professor of Psychology
Richard W. Wrangham, Ruth Moore Professor of Biological Anthropology

The Committee on Mind/Brain/Behavior is an interdisciplinary group of scholars appointed to coordinate the teaching of neuroscience and related fields among Harvard's departments. Working closely with the University's Mind/Brain/Behavior Interfaculty Initiative, the Committee is designed to advance knowledge of neuroscience at multiple levels of analysis, ranging from the molecular events within individual neurons to the ways large-scale neural circuits register sensory information and control behavior. The Committee coordinates the wide and varied course offerings that address methods, findings, and theory in neuroscience; helps students learn of opportunities with the various fields allied with neuroscience; and promotes interdisciplinary interaction among members of these fields.

For undergraduate students wishing to specialize in an area related to the neurosciences, five concentrations offer specialized tracks: Biology offers a Neurobiology track; Computer Science offers a Computational Neuroscience track; History and Science offers a Mind, Brain, and Behavioral Sciences track; Philosophy offers a Mind/Brain/Behavior track; Psychology offers Mind/Brain Behavior track clusters in Cognition/Brain/Behavior and Psychopathology. 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 thesis research workshop (senior year). For the requirements of each track, consult www.mbb.harvard.edu/undergrad/Home.html.

The courses listed below address various facets of neuroscience or closely related material. Complete descriptions may be found under the various departments.

Additional course listings will appear in the booklet *Courses in Mind/Brain/Behavior*.

Cross-Listed Courses

[Anthropology 111. Behavioral and Reproductive Endocrinology]

[Anthropology 250. Local Biologies: Perspectives on the Interaction Between Culture and



Biology]

[Biological Sciences 57 \(formerly Biology 22\). Animal Behavior](#)

[Biological Sciences 80 \(formerly Biological Sciences 25\). Behavioral Neuroscience](#)

[Biology 174r \(formerly Biology 174\). Topics in Behavioral Biology: Learning and Memory](#)

[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](#)

[\[Engineering Sciences 218. Advanced Neural Signal Processing\]](#)

[Engineering Sciences 219r. Topics in Computational Neuroscience](#)

[History of Science 144. Degeneration and Eugenics](#)

[*History of Science 147. Sex, Gender, and Modern Medicine: Conference Course](#)

[\[*History of Science 151. Cultural History of Medicine\]](#)

[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 Neuronal Development and Disease](#)

[MCB 141. Molecular and Developmental Neurobiology](#)

[MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation](#)

[Philosophy 156y. Philosophy of Mind: Consciousness](#)

[Philosophy 156z. Philosophy of Mind: Minds and Machines](#)

[*Philosophy 159z. Mental Causation: Proseminar](#)

[Psychology 13. Cognitive Psychology](#)

[Psychology 16. Human Development](#)

[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 1252. Neurobiology of Learning and Memory: Seminar](#)

[Psychology 1304. Cognitive Neuropsychology](#)

[*Psychology 1350 \(formerly *Psychology 2350\). 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](#)

[\[Psychology 1653. Social-Cognitive Development: Seminar\]](#)

[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: Seminar](#)

[\[*Psychology 1856r. Laboratory in Psychophysiology\]](#)

[Psychology 1861. Developmental Psychopathology: Seminar](#)

[*Psychology 2170. Origins of Knowledge](#)

[*Psychology 2190. Topics in Language Acquisition](#)

[\[*Psychology 2210r \(formerly Psychology 2210, Seminar on Concepts and Words\). Seminar on Language and Cognition\]](#)

[*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 \(formerly *Psychology 3380r\). 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](#)

[\[*Psychology 2435. Laboratory in Eating Disorders\]](#)

[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar](#)

[\[Psychology 2482. Neuropsychological Assessment\]](#)

[\[*Psychology 2551. Themes and Controversies in Social Cognition: Seminar\]](#)

[Quantitative Reasoning 22. Deductive Logic](#)

[Science B-29. Evolution of Human Nature](#)

[Science B-44. Vision and Brain](#)

[\[Science B-48. From DNA to Brain\]](#)



[Social Analysis 28. Culture, Illness, and Healing: A Cross-Cultural Comparison of Medicine in Society]

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*)

Laurence D. Berman, Visiting Associate Professor of Music (*University of Massachusetts, Boston*) (*fall term only*)

Reinhold Brinkmann, James Edward Ditson Professor of Music (*fall term only*)

Mauro Calcagno, Assistant Professor of Music (*on leave 2002-03*)

Judah Michael Cohen, Lecturer on Music

Virginia Danielson, Lecturer on Music (*fall term only*)

Mario Davidovsky, Fanny P. Mason Professor of Music (*on leave spring term*)

Joshua Fineberg, Assistant Professor of Music (*on leave spring term*)

Sean Thomas Gallagher, Assistant Professor of Music (*on leave 2003-04*)

Edward Gollin, Lecturer on Music

Elliott John Gyger, Assistant Professor of Music

Christopher Hasty, Professor of Music

Lee J. Hyla, Visiting Professor of Music (*New England Conservatory of Music*) (*fall term only*)

Arthur V. Kreiger, Visiting Associate Professor of Music (*Connecticut College*) (*fall term only*)

Robert D. Levin, Dwight P. Robinson, Jr. Professor of Music (*Head Tutor*)

David Lewin, Walter W. Naumburg Professor of Music, Emeritus

Jameson N. Marvin, Senior Lecturer on Music

Ingrid Monson, Quincy Jones Professor of African-American Music

Karen Painter, Associate Professor of Music (*on leave fall term*)

Thomas Allan Peattie, Visiting Lecturer on Music

Bernard Rands, Walter Bigelow Rosen Professor of Music

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music, Associate of Currier House (*on leave 2003-04*)

Jürg Stenzl, Visiting Professor of Music (*Salzburg University*) (*spring term only*)

Daniel Stepner, Preceptor in Music

John Stewart, Senior Preceptor in Music

Jane Sugarman, Visiting Associate Professor of Music (*SUNY Stonybrook*)

Judith Tick, Visiting Professor of Music (*Northeastern University*) (*fall term only*)



Richard Wolf, Assistant Professor of Music (*on leave 2002-03*)

Christoph Wolff, Adams University Professor

James D. Yannatos, Senior Lecturer on Music

Undergraduates considering a concentration in Music should meet with the Head Tutor to discuss the program. Prospective concentrators in Music are encouraged to take Music 51 in their freshman year; Music 51 is a prerequisite of Music A. Music A is required of concentrators, and should be taken as early as possible. Students who know they are going to concentrate in Music and do not have piano background should consult with the instructor of Music A immediately upon arrival at Harvard. In order to obtain concentration credit for a course for which such credit is not normally given, students must petition the Department at the beginning of the semester. For students not intending to concentrate in Music, the department ordinarily offers Music 1 and Music 2 every year. Other courses may be taken with permission of the instructor. See also listings in Afro-American Studies, Core Curriculum, Folklore and Mythology, General Education, and Medieval Studies.

Primarily for Undergraduates

***Music Ar. Musicianship**

Catalog Number: 4859 Enrollment: Limited to concentrators; the Earlab is open to students concurrently taking another course in the Music Concentration Program.

John Stewart

Half course (fall term; repeated spring term). Hours to be arranged.

Consists of two parts: (1) Basic piano skills involving sight reading, score reading, figured bass realization, harmonization of melodies. Individual or small-group instruction; and (2) Earlab (sight singing, rhythmic studies, melodic/harmonic dictation, and other exercises). Two class meetings per week. In addition, individual instruction in piano playing is given to those not proficient at the keyboard.

Note: Music concentrators are required to enroll in two terms of Music A, starting in the fall term. A special examination is required of Music concentrators to meet the Musicianship requirement. While credit is awarded for suitable progress in the course, concentrators may find it necessary to repeat (audit) all or portions of Music A in order to prepare for this exam (see Concentrator's Handbook).

Prerequisite: Music 51. However, concentrators are urged to participate (unofficially) in the Earlab portion from the freshman year on.

Music 1a. Introduction to Music I

Catalog Number: 8071

Members of the Department

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

This course explores about one thousand years of music history (ca. 800-1800), from the medieval through the Classical period. Particular emphasis is given to the liturgical and stylistic context of Gregorian chant and early polyphony; text-music relationships in Renaissance and early baroque compositions; and the works of J. S. Bach, Handel, Haydn, and Mozart.

Note: Music 1a can be taken independently of Music 1b. No prerequisites; no prior knowledge of music is presumed.



Music 1b. Introduction to Music II

Catalog Number: 4952

Thomas Allan Peattie

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Music 1b continues the survey started in Music 1a, beginning with the transition from the Classical to the Romantic period. The course will explore the history of music in its stylistic and cultural contexts, including aspects of form, composition, social significance, and politics. Composers studied will include Beethoven, Schubert, Robert and Clara Schumann, Liszt, Berlioz, Mahler, Wagner, Bizet, Verdi, Schoenberg, Berg, Stravinsky, Debussy, and later twentieth-century figures.

Note: Music 1b can be taken independently of Music 1a. No prerequisites; no prior knowledge of music presumed.

Music 2. Fundamentals of Music Theory I

Catalog Number: 0645 Enrollment: Limited to 48.

Joshua Fineberg

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Open to all students. Provides a practical foundation in basic skills of reading, writing and hearing of classical Western music. Teaching takes place in groups of 10-12, divided according to background, with full group lectures once every second week. While reading knowledge of simple musical notation is helpful, there will be at least one section for students with no previous experience.

Note: May not be counted for concentration.

Music 3. Fundamentals of Music Theory II

Catalog Number: 5805 Enrollment: Limited to 48.

Joshua Fineberg

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

The first part of the course concentrates on increasing understanding and fluency in writing within the musical language of “common practice tonality.” The second part of the course looks at twentieth-century techniques for composing music. The final project is a short composition that will be performed during reading period. Teaching takes place in groups of 10-12, divided according to background, with full group lectures once every second week.

Note: May not be counted for concentration credit.

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 will be a series of short compositional exercises, culminating in a somewhat longer final project. Workshop performances of students’ music take place throughout the semester.



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.

Elliott John Gyger

Half course (spring term). F., at 2, M., 2–4. EXAM GROUP: 7, 8

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 semester.

Note: May not be taken for concentration credit.

Prerequisite: Music 2 or equivalent or permission of the instructor. May be taken independently of Music 4.

***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. In any case, concentrators should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Basic theory and ear training skills. For more specific information, consult instructor before the first class meeting.

***Music 91r. Supervised Reading and Research**

Catalog Number: 1298

Robert D. Levin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to students wishing to pursue supervised study in an area not covered by the courses currently offered. Students must submit a study proposal to the faculty member with whom they wish to study and a signed proposal to the Department Administrator. May be counted for concentration *only* with the prior approval of the Department.

***Music 92r. Senior Project**

Catalog Number: 2744

Robert D. Levin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

For students doing a Senior Project, when a pertinent regularly listed course does not exist, or is not being offered during the student's senior year.

Note: Students considering this course should read carefully and well in advance the relevant material in Handbook for Students, under the section of "Fields of Concentration: Music".



Students should note, in particular #3 in the section marked ‘Basic requirements’: “a brief written prospectus . . . must be approved and signed by the instructor, and submitted to the Head Tutor no later than the second week of the semester.” The prospectus must clarify, when appropriate, why no regularly listed course being offered during the student’s senior year is pertinent to the proposed work.

***Music 93r. Supervised Reading and Research**

Catalog Number: 8849

James D. Yannatos

Half course (fall term; repeated spring term). Hours to be arranged.

Open to students wishing to pursue supervised study in chamber music. Students must submit a study proposal to Professor Yannatos and a signed proposal to the Department Administrator.

Note: May not be taken Pass/Fail. May not be counted for concentration.

***Music 97r. Tutorial—Sophomore Year: Music History and Repertory**

Catalog Number: 0113

Sean Thomas Gallagher

Full course (indivisible). M., W., F., at 10, with additional meeting to be arranged.

For concentrators only. An intensive survey of Western music throughout its history and of selected non-Western musical traditions, providing methods of further study of music in historical and cultural contexts as well as basic knowledge of repertory.

Note: Music 97r is required of all concentrators and should be taken in the sophomore year or earlier by permission. Each half of the course culminates in an examination testing students’ knowledge of a large listening repertory. These examinations must be passed in order to receive credit for the course.

Prerequisite: Music 51 (may be taken concurrently).

***Music 98r. Tutorial — Junior Year**

Catalog Number: 5601

Robert D. Levin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to junior candidates for honors in Music who have written permission to enroll from the instructor with whom they wish to work, and also from the Head Tutor in Music. With permission, may be taken for a second term.

***Music 99r. Tutorial — Senior Year**

Catalog Number: 1765

Robert D. Levin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to senior candidates for honors in Music who have written permission to enroll from the instructor with whom they wish to work, and also from the Head Tutor in Music. May be counted toward concentration credit only by honors candidates.

For Undergraduates and Graduates



[Music 121a. Choral Conducting]

Catalog Number: 1550

Jameson N. Marvin

Half course (spring term). Hours to be arranged.

An investigation of choral literature of varying styles and genres with emphasis on conducting technique and score analysis.

Note: Expected to be given in 2003–04. May not be counted for concentration. Expected to be given in 2003-04.

Prerequisite: Choral or ensemble experience; ear training, keyboard, and theory background helpful.

Music 121b. Advanced Choral Conducting

Catalog Number: 1675

Jameson N. Marvin

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

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.

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 2003–04.

Prerequisite: Music 154 or permission of instructor.

[Music 126b. Advanced Conducting]

Catalog Number: 4868

James D. Yannatos

Half course (spring term). Hours to be arranged.

Workshop for aspiring conductors with some experience. The technical aspects of conducting and rehearsing in relation to an understanding of the score will be studied with practical classroom exercises using piano and various instrumental groups.



Note: Expected to be given in 2003–04.

Prerequisite: Music 125a, Music 154, and/or permission of the instructor.

***Music 154. Theory II**

Catalog Number: 4771

Edward Gollin

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

Edward Gollin

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Written work in the Palestrina Style.

Prerequisite: Music 154 or permission of instructor.

Music 156. Tonal Counterpoint

Catalog Number: 3930

Laurence D. Berman (University of Massachusetts, Boston)

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). Tu., 10–12. EXAM GROUP: 12, 13

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. EXAM GROUP: 3, 4

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). W., 1–3. EXAM GROUP: 6, 7

Detailed analysis of selected pieces of music aimed at discovering and evaluating possibilities for execution and perception. Repertory will include fully notated music and music that has no tradition of notation. Among the questions to be addressed are those of perception, notation, and the adequacy of conventional analytic categories.

Prerequisite: Music 154 or permission of instructor.

***Music 160ar. Composition: Proseminar**

Catalog Number: 2685

Joshua Fineberg

Half course (fall term). M., 10–12. EXAM GROUP: 3, 4

Work in original composition. Weekly readings and critiques of student compositions. Aims for one concert of new works each term. Occasionally, short exercises given dealing with specific compositional problems.

Prerequisite: Music 154 or permission of instructor.

Music 160br. Composition: Proseminar

Catalog Number: 0949

Elliott John Gyger

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Continuation of Music 160ar.

Prerequisite: Music 154 or permission of instructor.

[Music 167r. Electro-Acoustic Composition]

Catalog Number: 2357

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

Prerequisite: One course in music theory/composition or permission of the instructor.

Music 178r. Performing Music: Eastern European/Java/Folkdance

Catalog Number: 6366 Enrollment: Limited to 14.

Judah Michael Cohen

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

This course uses hands-on performance as an entrypoint for examining selected musical cultures. Featured this semester are Eastern-European Jewish cantorial, Javanese gamelan, and International Folkdance. Examinations include performance and listening; semester project may involve fieldwork.

Note: Permission of instructor.



***Music 180r. Performance and Analysis: Seminar**

Catalog Number: 2294 Enrollment: By audition only, prior to the first meeting.

Robert D. Levin and Daniel Stepner

Half course (fall term; repeated spring term). M., 7–10 p.m.; additional meeting time to be arranged. EXAM GROUP: 9

Representative chamber music of the past and present is prepared for performance in class sessions and private coachings. Intensive class analysis as the basis of musical expression and interpretation.

Note: Open to singers and instrumentalists.

[*Music 182. 17th- and 18th-Century Performance Practice]

Catalog Number: 1460

Robert D. Levin

Half course (fall term). 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 2003–04. May be counted for music concentration credit for Music 192r.

Prerequisite: Music 154 or permission of instructor.

Music 183 (formerly Music 183). 19th-Century and 20th-Century Performance Practice

Catalog Number: 0117

Robert D. Levin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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: May be counted for music concentration credit for Music 193r.

Prerequisite: Music 154 or Permission of the Instructor.

***Music 190r (formerly *Music 190rr). Proseminar: Topics in World Music**

Catalog Number: 1312

Virginia Danielson

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

Music in Middle Eastern Contexts. This class provides an introduction to music and musicians from the rich improvisatory styles of the Middle East. Using case studies from Egypt, Iraq, Turkey, the Arabian Peninsula, and Afghanistan, this class will examine the characteristics of sound and performance contexts that constitute musics identified as Middle Eastern. Particular attention will be given to classical Arab music, Arabic sung poetry and devotional song, and the construction of contemporary popular music.

Note: For music concentrators or by permission of instructor.



Music 190rr (formerly Music 190sr). Topics in World Music: Proseminar

Catalog Number: 5605

Jane Sugarman (SUNY Stonybrook)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Music, Politics, and Society in Eastern Europe. This course surveys the intricate connection between music, politics, and issues of social identity in Eastern Europe over the past century. Class units will address concert music, state folkloric ensembles, film scores, folk, and popular music with an emphasis on southeastern Europe (Hungary, Bulgaria, former Yugoslavia, Albania), but student projects may focus on any area within the region.

Note: For music concentrators or by permission of instructor.

Music 191r. Topics in Medieval and Renaissance Music: Proseminar

Catalog Number: 2524

Jürg Stenzl (Salzburg University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The Sound of the “Song of Songs” from the Middle Ages to the Period of Guillaume Dufay and Josquin Desprez (8th to end 15th Century). By analyzing monophonic and polyphonic compositions of these texts, we will try to answer the question: What have musicians, singers and composers, done with this most erotic text?

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). M., 11–1. EXAM GROUP: 4, 5

From Schütz to Buxtehude: German 17th-century music in the European context.

Note: For music concentrators or by permission of instructor.

Music 193r. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 3741

Judith Tick (Northeastern University)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Aaron Copland. Musical and Cultural Perspectives. The musical focus is on Copland’s stylistic development, aiming for a synthesis between his so-called “serious” and “accessible” compositions. The cultural focus includes influences of early American and international modernist movements; popular culture; the documentary impulse in the 1930s; the folk revival before 1950; and cold-war shifts in taste.

Note: Offered for both undergraduate music concentration credit and graduate credit. For music concentrators or by permission of instructor.

Music 194r. Special Topics: Proseminar

Catalog Number: 2846

Ingrid Monson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

The Music and Image of Miles Davis. Examines the development of Miles Davis’s music and his status as a cultural icon from mid-1940s to his death in 1991. The work of Davis’s two great



quintets figure prominently, as well as his work with Gil Evans, and his relationship to popular music in the 1970s and 80s. Davis's cultural image, views on racial relations, women, jazz critics, producers, politics, and jazz history, are also examined.

Note: For music concentrators or by permission of instructor.

Music 194rr. Special Topics: Proseminar

Catalog Number: 6504

Karen Painter

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Conducting and composing in post-war Europe. The seminar examines developments in music and musical life after 1945, focusing on Paris, Germany, and Italy. Topics include schools of conducting and composition (with a focus on Pierre Boulez), the changing audiences and venues for new music, the popularity of opera, as well as broader aesthetic and political issues.

Note: For music concentrators or by permission of instructor.

Cross-listed Courses

***Freshman Seminar 32w. African Musical Traditions**

Literature and Arts B-51. First Nights: Five Performance Premieres

Literature and Arts B-54. Chamber Music from Mozart to Ravel

Literature and Arts B-64. The Symphonic Century: Orchestral Music from 1820 to 1914

Literature and Arts B-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

Edward Gollin

Half course (throughout the year). Hours to be arranged.

Includes theory (level of Music 154) as well as keyboard and ear training.

Note: Required of all graduate students. This requirement must be met before admission to the General Examination.

Music 201. Current Methods in Musicology

Catalog Number: 3973

Christoph Wolff (fall term) and Kay Kaufman Shelemay (spring term)

Full course. M., 10–12. EXAM GROUP: 3, 4

An introduction to scholarship, drawing upon the history, theoretical frameworks, and the working methods of historical musicology and ethnomusicology. The fall semester focuses on issues of musical biography, autobiography, and the multi-faceted problems of the relationship between life and works, based on representatives 17th and 18th century examples. Spring semester focuses on the introduction to the scholarly study of music with emphasis on the history and methodologies of ethnomusicology. Theories of music in culture, field methods, analytical



and notational strategies, and critical tools for scholarship.

Note: Either semester may be taken independently by students from other departments with permission of the instructor.

[Music 205. Medieval Notation]

Catalog Number: 4440

Thomas Forrest Kelly

Half course (fall term). Hours to be arranged.

A survey of Western musical notation to 1400.

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

Music 206r. Research Methods in Ethnomusicology: Musical Ethnography

Catalog Number: 6891

Kay Kaufman Shelemay

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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: Individual research project required. Permission of instructor required for undergraduates.

***Music 207r. Ethnomusicology: Seminar**

Catalog Number: 2149

Jane Sugarman (SUNY Stonybrook)

Half course (spring term). Hours to be arranged.

Musics between the local and the global. An examination of musical genres that are emerging at the intersection of local communities and the transnational circulation of people, capital, and media forms. Musics from a variety of world areas will be considered in the context of readings in anthropology, sociology, postcolonial theory, and other fields that address such issues as modernity, diaspora, consumerism, and globalization.

Note: Permission of instructor required for undergraduates.

[Music 208r. Ethnomusicology: Seminar]

Catalog Number: 2232

Kay Kaufman Shelemay

Half course (fall term). Hours to be arranged.

Music and Memory. An ethnomusicological approach to the study of memory, focusing on the musical construction of remembrance.

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

Music 209r. Ethnomusicology: Seminar

Catalog Number: 4022

Ingrid Monson

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Music and Cultural Theory. Since the 1980s the fields of musicology and ethnomusicology have seen an influx of new thinking that has drawn on interdisciplinary trends in the humanities and the social sciences with particular emphasis on anthropology and poststructural criticism. This



seminar will critically assess the impact of cultural theory on musical scholarship since 1980.

Note: Permission of instructor required for undergraduates.

[Music 211r. Topics in Medieval Music: Seminar]

Catalog Number: 4433

Thomas Forrest Kelly

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

[Music 212r. Chant: Seminar]

Catalog Number: 4984

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

[Music 213r. Topics in Medieval Polyphony: Seminar]

Catalog Number: 5802

Thomas Forrest Kelly

Half course (spring term). Hours to be arranged.

Major repertoires in early polyphony: Winchester, Saint Martial, Notre Dame. The study of liturgical practice, style, notation, and repertory content in early but substantial repertoires.

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

***Music 214r. Renaissance Music: Seminar**

Catalog Number: 7825

Sean Thomas Gallagher

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Northern Music & Musicians in 15th Century Italy.

Note: Permission of instructor required for undergraduates.

[Music 215r. Baroque: Seminar]

Catalog Number: 6817

Christoph Wolff

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

[Music 216r. 18th-Century Music: Seminar]

Catalog Number: 6868

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

Music 217r. 19th-Century Music: Seminar

Catalog Number: 9814

Christoph Wolff



Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Mendelssohn and Schumann in Leipzig, 1835-1844: A critical examination of a decade of individual creative growth, mutual stimulation, and wide-ranging impact.

Note: Permission of instructor required for undergraduates.

Music 217rr (formerly Music 217r). 19th-Century Music: Seminar

Catalog Number: 3702

Karen Painter

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Mozart and the idea of “absolute” music. The seminar will be organized around a number of seminal works from Mozart’s quartets, symphonies, and operas, to be approached from several perspectives: musical analysis, aesthetics, and the history of musical culture.

Note: Permission of instructor required for undergraduates.

Prerequisite: Open to students outside the department, by permission of the professor.

Music 218r (formerly Music 218rr). 20th-Century Music: Seminar

Catalog Number: 0774

Reinhold Brinkmann

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Music and National Socialist Identity.

Note: Permission of instructor required for undergraduates.

Music 218rr. 20th-Century Music: Seminar

Catalog Number: 1849

Jürg Stenzl (Salzburg University)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

“Structure” and “Expression”. The Music of Luigi Nono (1924-1990). Works to be discussed: “Variazioni canoniche” (1949), “Il canto sospeso” (1955/56), “A floresta” (1966), “Frammenti - Stille, An Diotima” (1979/80), and “Guai ai gelidi mostri” (1983).

Note: Permission of instructor required for undergraduates.

[Music 219r (formerly Music 219br). 19th and 20th Century Music]

Catalog Number: 2275

Reinhold Brinkmann (spring term) and Karen Painter (fall term)

Half course (fall term; repeated spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

Music 220ar. History of Music Theory: Seminar

Catalog Number: 2119

Edward Gollin

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Theories and Analysis of Nineteenth-century Chromaticism. The course examines analytical problems posed by chromatic music of the nineteenth century (Tristan Prelude, works of Wolf, Brahms, etc.) and responses by theorists (Schenker, Riemann, Kurth, and modern scholars).

Note: Permission of instructor required for undergraduates.



[Music 220br. History of Music Theory: Seminar]

Catalog Number: 1580

Edward Gollin

Half course (spring term). Hours to be arranged.

Theories and Analysis of Nineteenth-century Chromaticism. The course examines analytical problems posed by chromatic music of the nineteenth century (Tristan Prelude, works of Wolf, Brahms, etc.) and responses by theorists (Schenker, Riemann, Kurth, and modern scholars).

Note: Expected to be given in 2003–04. Permission of instructor required for undergraduates.

Music 222r. Schenkerian Analysis I

Catalog Number: 4055

Christopher Hasty

Full course (spring term). W., 10–12. EXAM GROUP: 3, 4

Introduction to the theories and graphing techniques of Heinrich Schenker and his followers through the analysis of selected works.

Note: Permission of instructor required for undergraduates.

Music 230ar. Topics in Music Theory I

Catalog Number: 5712

David Lewin

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Music and Math.

Note: Permission of instructor required for undergraduates.

Music 230br. Topics in Music Theory II

Catalog Number: 6696

David Lewin

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Music and Math.

Note: Permission of instructor required for undergraduates.

Music 230rr. Topics in Music Theory III

Catalog Number: 9743

Christopher Hasty

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Rhythm. Critical and analytic study of musical rhythm in various western and non-Western practises.

Note: Permission of instructor required for undergraduates.

***Music 261r. Composition: Seminar**

Catalog Number: 3326 Enrollment: Limited to 10.

Bernard Rands

Full course (indivisible). Hours to be arranged.

Note: Open only to students prepared for work in original composition.



***Music 262r. Composition: Seminar**

Catalog Number: 4457 Enrollment: Limited to 10.

Lee J. Hyla (New England Conservatory of Music) (fall term) and Mario Davidovsky (spring term)

Full course (indivisible). Fall: Tu., 4–6; Spring: Tu., 10–12. EXAM GROUP: Fall: 18; Spring: 12, 13

Note: Open only to students prepared for work in original composition.

Music 264r. Electronic Music Composition: Seminar

Catalog Number: 1939

Mario Davidovsky (spring term) and Arthur V. Kreiger (Connecticut College) (fall term)

Full course (indivisible). Fall: F., 1–3. EXAM GROUP: Fall: 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 (fall term). Hours to be arranged.

This course focuses on composing for orchestral instruments in large ensembles and orchestras. It alternates classroom meetings and practical sessions with instrumentalists.

Note: Expected to be given in 2003–04. Open to composition graduate students, or by permission of instructor.

Music 270r. Special Topics

Catalog Number: 3727

Bernard Rands

Half course (fall term). M., 10–12. EXAM GROUP: 3, 4

Topics in Composition.

Music 272r. Special Topics

Catalog Number: 2059

Joshua Fineberg

Half course (spring term). Tu., 2–5. EXAM GROUP: 16, 17

Modeling musical processes: Computer assisted musical composition. This course will explore the formalized elements in representative contemporary compositions. We will use the Computer Assisted Composition environment OpenMusic to model these processes. Additional work will explore current and potential roles of Computer Assisted Composition both in the contexts of Algorithmic Music and as an aid to freer composition.

Graduate Courses of Reading and Research

***Music 300. Reading and Research for Advanced Students**

Catalog Number: 2504



Reinhold Brinkmann 7971 (fall term only), Mauro Calcagno 3871 (on leave 2002-03), Mario Davidovsky 1146 (on leave spring term), Joshua Fineberg 3749 (on leave spring term), Sean Thomas Gallagher 4415 (on leave 2003-04), Christopher Hasty 4445, Thomas Forrest Kelly 1324, Robert D. Levin 3482, David Lewin 1238, Ingrid Monson 1591, Karen Painter 3615 (on leave fall term), Bernard Rands 1900, Kay Kaufman Shelemay 3483 (on leave 2003-04), Richard Wolf 1386 (on leave 2002-03), and Christoph Wolff 4532

Individual work on specific topics not included in the announced course offerings.

***Music 301. Reading and Research**

Catalog Number: 6543

Reinhold Brinkmann 7971 (fall term only), Mauro Calcagno 3871 (on leave 2002-03), Mario Davidovsky 1146 (on leave spring term), Joshua Fineberg 3749 (on leave spring term), Sean Thomas Gallagher 4415 (on leave 2003-04), Elliott John Gyger 4462, Christopher Hasty 4445, Thomas Forrest Kelly 1324, David Lewin 1238, Ingrid Monson 1591 (spring term only), Karen Painter 3615 (on leave fall term), Bernard Rands 1900, Kay Kaufman Shelemay 3483 (on leave 2003-04), Richard Wolf 1386 (on leave 2002-03), and Christoph Wolff 4532

Individual work in preparation for the General Examination for the Ph.D. degree.

Note: May not be counted toward course requirements for Ph.D. degree.

***Music 309. Doctoral Colloquium**

Catalog Number: 2260

Christoph Wolff 4532

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

***Music 310. Direction of Doctoral Dissertations**

Catalog Number: 1819

Reinhold Brinkmann 7971 (fall term only), Mario Davidovsky 1146 (on leave spring term), Christopher Hasty 4445, Thomas Forrest Kelly 1324, Robert D. Levin 3482, David Lewin 1238, Ingrid Monson 1591, Bernard Rands 1900, Kay Kaufman Shelemay 3483 (on leave 2003-04), and Christoph Wolff 4532

Note: May not be counted toward course requirements for the Ph.D. degree.

Near Eastern Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Near Eastern Languages and Civilizations

P. Oktor Skjaervo, Aga Khan Professor of Iranian (*Chair*)
Irit Aharony, Preceptor in Modern Hebrew



Ahmed H. al-Rahim, Preceptor in Arabic
 Ridwan Al-Sayyid, Shawwaf Visiting Professor of Arabic and Islamic Studies (*Lebanese University*)
 Gary Anderson, Professor of Hebrew Bible (*Divinity School*)
 James Alan Armstrong, Lecturer on the Ancient Near East
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture
 Paul-Alain Beaulieu, Associate Professor of Assyriology
 David Braun, Preceptor in Yiddish
 J. F. Coakley, Senior Lecturer on Near Eastern Languages and Civilizations
 Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy (*Director of Graduate Studies*)
 John Lee Ellison, Lecturer on Near Eastern Languages and Civilizations
 Immanuel Etkes, Gerard Weinstock Visiting Professor of Jewish History (*Hebrew University*) (*spring term only*)
 May Farhat, Preceptor in Arabic
 William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion
 William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment (*Director of Undergraduate Studies*)
 Anna Grinfeld, Preceptor in Modern Hebrew, Teaching Assistant in Near Eastern Languages and Civilizations
 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
 Angela Jaffray, Lecturer on Near Eastern Languages and Civilizations
 Hakan T. Karateke, Preceptor in Modern Turkish Language
 Miri Kubovy, Professor of the Practice of Near Eastern Languages and Civilizations
 James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of Comparative Literature (*on leave fall term*)
 Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
 Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*on leave spring term*)
 Peter Der Manuelian, Lecturer on Egyptology
 Avi Matalon, Instructor in Near Eastern Languages and Civilizations (*on leave spring term*)
 Susan G. Miller, Senior Lecturer on Islamic Civilizations (*on leave spring term*)
 Laila Parsons, Lecturer on Islamic Civilizations
 David G. Roskies, Visiting Professor of Yiddish Literature (*Jewish Theological Seminary of America*)
 James R. Russell, Mashtots Professor of Armenian Studies
 John S. Schoeberlein, Lecturer on Central Asian Studies
 Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization
 Lawrence E. Stager, Dorot Professor of the Archaeology of Israel
 Piotr Steinkeller, Professor of Assyriology



Sinasi Tekin, Senior Lecturer on Turkish

Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages

Irene J. Winter, William Dorr Boardman Professor of Fine Arts

Robert Wisnovsky, Associate Professor of Islamic Intellectual History

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature (*on leave spring term*)

Other Faculty Offering Instruction in the Department of Near Eastern Languages and Civilizations

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology (*on leave spring term*)

Jocelyne Cesari, Visiting Associate Professor of Anthropology

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies

Roy Mottahedeh, Gurney Professor of History

E. Roger Owen, A. J. Meyer Professor of Middle East History

Richard James Saley, Lecturer on the Ancient Near East (*Divinity School*)

Aron Zysow, Lecturer on Near Eastern Languages and Civilizations

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 and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research in subjects not treated in regular courses.

[*Near Eastern Civilizations 97r. Group Tutorial—Sophomore Year](#)

Catalog Number: 0167

William E. Granara and members of the Department

Half course (spring term). M., 4:30–6:15.

An introduction to the cultures and literatures of the Near East in ancient, classical, and modern



times, emphasizing major themes and problems that cut across individual cultures and historical periods.

***Near Eastern Civilizations 98r. Tutorial — Junior Year**

Catalog Number: 2612

William E. Granara and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for juniors concentrating in Near Eastern Languages and Civilizations.

***Near Eastern Civilizations 99r. Tutorial — Senior Year**

Catalog Number: 6623

William E. Granara and members of the Department

Full course. Hours to be arranged.

Note: Designed for seniors concentrating in Near Eastern Languages and Civilizations.

Graduate Courses of Reading and Research

***Near Eastern Civilizations 300. Direction of Master's Thesis**

Catalog Number: 2448

J. F. Coakley 3409, William E. Granara 1054, and Jon D. Levenson (Divinity School) 2264

Half course (fall term; repeated spring term). Hours to be arranged.

***Near Eastern Civilizations 390. Direction of Doctoral Dissertations**

Catalog Number: 3041

Ali S. Asani 7739, Paul-Alain Beaulieu 3708, William A. Graham, Jr. 4156, William E. Granara 1054, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, Wolfhart P. Heinrichs 4988, John Huehnergard 7697, James L. Kugel 7575 (on leave fall term), Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave spring term), James R. Russell 3411, Bernard Septimus 7160, P. Oktor Skjaervo 2869, Lawrence E. Stager 1468, Piotr Steinkeller 7337, Sinasi Tekin 2353 (spring term only), Wheeler M. Thackston, Jr. 4004, Robert Wisnovsky 2229, and Ruth R. Wisse 3177 (on leave spring term)

Ancient Near Eastern and Biblical Studies

See also below under Akkadian and Sumerian, Aramaic, Hebrew, and Semitic Philology.

For Undergraduates and Graduates

[Ancient Near East 100. History of the Ancient Near East: Mesopotamia]

Catalog Number: 0702

Paul-Alain Beaulieu

Half course (spring term). Hours to be arranged.

Surveys the political and cultural history of Mesopotamia from c. 4000 B.C.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1115.



[Ancient Near East 101. Introduction to Mesopotamian Archaeology]

Catalog Number: 1245

James Alan Armstrong

Half course (spring term). Hours to be arranged.

Surveys the archaeology of ancient Mesopotamia (geographically defined as the territory of modern Iraq plus immediately adjacent areas) from the Neolithic Period until the conquest of Alexander the Great. While theoretical issues and approaches will not be neglected, the emphasis in this class will be on the archaeological data that are used in reconstructions of Mesopotamia's history and its ancient social systems.

Note: Expected to be given in 2003–04.

Ancient Near East 102. Introduction to Mesopotamian Religion

Catalog Number: 0486

Piotr Steinkeller

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A survey of the sources, data, and principal concerns. A selection of texts are read in translation.

Note: Offered jointly with the Divinity School as 3661.

Ancient Near East 105. History of the Ancient Near East: The Levant (up to Alexander the Great)

Catalog Number: 0711

Lawrence E. Stager

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

The civilization and cultural traditions of the peoples of Syria-Palestine from the third millennium to the time of Alexander the Great.

Note: 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. Some acquaintance would be desirable, though not required, of Biblical and ancient Near Eastern history and one of its languages, and of a modern research language such as French or German.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1427.

[Ancient Near East 109r. History and Historiography in the Ancient Near East: Seminar]

Catalog Number: 1822

Lawrence E. Stager

Half course (spring term). Hours to be arranged.

Topic for 2002-2003: To Be Announced.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1822.



Ancient Near East 113. The Giza Pyramids: Archaeology, History, and Technology: Seminar

Catalog Number: 9660 Enrollment: Limited to 15.

Peter Der Manuelian

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This course examines historical and archaeological aspects of Egypt's famous Giza Pyramids and surrounding cemeteries (2500 BCE) and involves students in the Museum of Fine Arts' Giza Archives Project. Seminar presentations, lectures, and project contributions at the MFA.

Note: First class meeting, W., 1/29/03, 3-5pm.

Prerequisite: ANE 114 or permission of instructor.

Ancient Near East 114. The Archaeological History of Egypt

Catalog Number: 7208

Peter Der Manuelian

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

This illustrated survey course will focus on ancient Egyptian civilization (3100–332 B.C.E.), emphasizing the material culture discovered along the banks of the Nile: pyramids, temples, tombs, settlements, and cities. Follows a chronological path through at least the New Kingdom (1050 B.C.E.), with excursions into art, politics, hieroglyphs, and the development of modern Egyptology. Field trips to the Museum of Fine Arts, and opportunities to contribute to the MFA's Giza Archives Project may be included.

Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)

Catalog Number: 2813

Lawrence E. Stager and Ofer Bar-Yosef

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

A chronological survey of the archaeology of the Levant in which material culture provides a window on human evolution, society, economy, and religion from the Lower Palaeolithic to Hellenistic times. Special topics include the earliest colonization of *Homo erectus*, the origin of modern humans, the emergence of farming and pastoral societies, the formation and dissolution of Bronze Age city-states, and the rise and fall of Iron Age kingdoms such as Israel, Moab, and Edom.

Note: This course will have a lab section. Offered jointly with the Divinity School as 1420.

[Ancient Near East 117. Biblical Archaeology]

Catalog Number: 1371

Lawrence E. Stager

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1422. This course will have a lab session to be arranged.

[Ancient Near East 118. Syro-Palestinian Pottery]

Catalog Number: 1368

Lawrence E. Stager



Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1862. This course will have a lab session to be arranged.

Ancient Near East 120. Introduction to the Hebrew Scriptures

Catalog Number: 6544

Gary Anderson (Divinity School)

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

A survey of the Hebrew Scriptures as viewed in their historical and cultural setting in the ancient Near East and as interpreted by modern scholarship, with attention to this literature as an expression of the religious thought of Israel and one of the formative influences on Western civilization.

Note: Offered jointly with the Divinity School as 1101.

[Ancient Near East 121. History of the Study of the Hebrew Bible: From the Renaissance to the Present: Seminar]

Catalog Number: 8086

Peter Machinist

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1425.

Prerequisite: Graduate status with background in the study of Hebrew Bible. Also, Biblical Hebrew and at least one of the following: French, German, or Modern Hebrew.

[Ancient Near East 122. Biblical Interpretation]

Catalog Number: 4289

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1413.

Prerequisite: ANE 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). M., W., at 11 and an additional hour weekly for a section meeting.

EXAM GROUP: 4

An exploration of the nature and function of myth in the context of the ancient Near East. The course will focus 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



will be given to the issue of myth in the Hebrew Bible.
Note: Offered jointly at the Divinity School as 1128/3410.

[Ancient Near East 126. History of the Religion of Israel]

Catalog Number: 1672

Peter Machinist

Half course (spring term). Hours to be arranged.

The study of ancient Israelite religion and culture in comparative historical context. Topics examined include conceptions of divinity, prophecy, law, kingship, and cult. Through such topics the aim is to see how Israel related to other cultures of the ancient Near East and, thus, of what value the study of the other cultures has in understanding the character of Israelite religion itself.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1110.

[Ancient Near East 127. Prophecy in Ancient Israel]

Catalog Number: 6739

Peter Machinist

Half course (spring term). Hours to be arranged.

A study of the phenomenon and history of Israelite prophecy, as recorded in the Hebrew Bible, in the light of prophecy elsewhere in the ancient Near East and in other cultures. Pertinent sociological, literary, and religious issues are explored.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1125.

Ancient Near East 128. Jewish Apocalypticism

Catalog Number: 8249

Paul D. Hanson (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A study of Jewish apocalyptic movements from their roots in late biblical prophesy to their flowering in Hellenistic and Roman times. Attention will be paid to the biblical and extra-biblical traditions incorporated in these texts and woven into messages addressing crises such as persecution and forced assimilation. The manner in which books like Daniel and Revelation are used by contemporary apocalyptic movements will be assessed.

Note: All texts will be read in English translation. Offered jointly with the Divinity School as 1460.

Prerequisite: ANE 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 2003–04. 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 (Divinity School)

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. 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). Hours to be arranged.

A close critical reading in English of the book of Genesis with an eye both to the storytellers' techniques and to the moral and theological dimensions of the text. Emphasis on literary and religious rather than historical and editorial issues.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1417.

Prerequisite: Ancient Near East 120.

Ancient Near East 135. Biblical Theology: Hebrew Bible

Catalog Number: 4476

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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: Offered jointly with the Divinity School as 1150/2470.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 138. The Bible and Politics]

Catalog Number: 8073

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

Political models found in the Hebrew Bible; the role of biblical traditions in the development of church-state relations in the history of the U.S.; the possibility of a suitable political theology within the context of contemporary religion and politics.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1465/2529.

Cross-listed Courses

***Freshman Seminar 32e. Visualizing the Divine in Ancient Polytheistic Civilizations**

***Freshman Seminar 33j. Greece and the East**

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 137. Cross-Cultural Aesthetics: Proseminar

History of Art and Architecture 232. Assyrian Reliefs and the Visual Program of Assyrian Palace Design

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

Literature and Arts C-37. The Bible and Its Interpreters

Primarily for Graduates

Ancient Near East 210. Textual Criticism of the Hebrew Bible: Seminar

Catalog Number: 5492

Richard James Saley (Divinity School)

Half course (fall term). Tu., 3–6. EXAM GROUP: 17, 18

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: 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; repeated spring term). Spring: Th., 3–5. EXAM GROUP: Spring: 17, 18

Topic for 2002-03: “Tophets” in the Mediterranean.

Note: Conducted in the Harvard Semitic Museum Laboratory.

[Ancient Near East 221. The Hebrew Bible/ Old Testament in Its Communities of Interpretation: Seminar]

Catalog Number: 8392

Gary Anderson (Divinity School) and Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of selected methodological issues involved in the study of the Hebrew Bible/ Old Testament, such as the value and limitations of traditional Christian and Jewish modes of study, the relationship of the history of religion and historical criticism to theological affirmation, and the treatment of the Hebrew Bible/ Old Testament as a literary classic.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 1800.

Prerequisite: At least two courses in Hebrew Bible/ Old Testament.

Graduate Courses of Reading and Research

***Ancient Near East 310. Reading and Research in Ancient Near Eastern Archaeology**

Catalog Number: 4264

Lawrence E. Stager 1468



***Ancient Near East 320. Reading and Research in Ancient Mesopotamian Civilization**

Catalog Number: 5678

Piotr Steinkeller 7337, John Huehnergard 7697, and Peter Machinist 2812 (on leave spring term)

***Ancient Near East 330. Reading and Research in Biblical Studies**

Catalog Number: 1524

Gary Anderson (Divinity School) 1771, J. F. Coakley 3409, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, James L. Kugel 7575 (on leave fall term), Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave spring term), and Lawrence E. Stager 1468

Postbiblical Jewish Studies

See also below under Aramaic, Hebrew, and Yiddish.

For Undergraduates and Graduates

Jewish Studies 112. Tradition and Modernity: Trends in Modern Jewish History

Catalog Number: 9486

Immanuel Etkes (Hebrew University)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

A study of traditional Jewish society in the Early Modern Period; the emergence of Hasidism; the campaign against Hasidism led by the Vilna Gaon; Rabbi Hayyim of Volozhin's response to Hasidism and the foundation of the Volozhin Yeshiva; the Berlin Haskala; the Reform Movement in Germany and the Orthodox response; Neo-Orthodoxy and Ultra-Orthodoxy; the Haskala movement in Russia; the Musar Movement; the Lithuanian yeshivot and the beginning of the modern Jewish national movement.

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 Modern Hebrew literature in translation by focusing on representations of the individual's relationships with collective forces such as nationality, religion, sexuality, and tradition. Readings from classical writers of the 19th and early 20th centuries.

Note: Discussion and readings in English. If there is interest, an additional hour will 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. All readings done in translation. This course is open to all and does not presume knowledge of Hebrew or familiarity with Judaism.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3645.

Jewish Studies 123. Jews and Greeks, Judaism and Hellenism

Catalog Number: 3408

Shaye J.D. Cohen

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A study of the encounter between Judaism and Hellenism in antiquity, from the Hasmonean revolt until the emergence of Rabbinic Judaism. The course will focus on the land of Israel but some attention, for purposes of contrast, will also be 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: Knowledge of ancient Greek and Hebrew will occasionally be useful but not required. Offered jointly with the Divinity School as 3643.

Cross-listed Courses

[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

[Comparative Literature 156. The Literature of Destruction]

Comparative Literature 166. The Comic Tradition in Jewish Culture

[Foreign Cultures 56. Jewish Life in Eastern Europe]

***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. The Modern Jewish Experience in Literature]

Religion 1250a. Introduction to Modern Jewish Thought: From Spinoza to Heschel: Seminar

[Religion 1251. The History and Ideas of Jewish Nationalism and Zionism: Seminar]

[Religion 1252. The Enlightenment and the Jews]

Primarily for Graduates

***Jewish Studies 200r. Guided Readings in Jewish History**

Catalog Number: 4478

Jay M. Harris

Half course (fall term; repeated spring term). Hours to be arranged.

Jewish Studies 205. Jewish Humanism in the Early Modern World

Catalog Number: 9697

Avi Matalon



Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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.

Jewish Studies 210. From Pharisees to Rabbis: Seminar

Catalog Number: 1785

Shaye J.D. Cohen

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A seminar on the connections between the Pharisees of the Second Temple period and the Rabbis of the Mishnah. We will study the historical traditions about the Pharisees (Josephus, New Testament, rabbinic materials, perhaps Qumran) and about the “reconstruction” of Judaism at Yavneh.

Note: 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

Jay M. Harris 2266, James L. Kugel 7575 (on leave fall term), Bernard Septimus 7160, and Ruth R. Wisse 3177 (on leave spring term)

Early Iranian Civilizations

For Undergraduates and Graduates

See also below under Arabic, Aramaic, and Iranian.

Early Iranian Civilizations 102. Old Iranian Religion

Catalog Number: 5408

P. Oktor Skjaervo

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Mazdaism/Zoroastrianism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3663a.

Early Iranian Civilizations 103. Manicheism

Catalog Number: 2604

P. Oktor Skjaervo

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Iranian Manicheism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3580.

Islamic Civilizations



See also below under Arabic, Iranian, and Turkish.

For Undergraduates and Graduates

Islamic Civilizations 116. Islam and Constitutional Law

Catalog Number: 9651

Ridwan Al-Sayyid (Lebanese University)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Topic to be announced.

[Islamic Civilizations 118. Ethics and Law in Islam: Seminar]

Catalog Number: 9470

Abdul Karim Soroush

Half course (spring term). Hours to be arranged.

This course investigates the relation between law and ethics. It takes as its focus the ideas of the eleventh century Muslim thinker al-Ghazali, particularly as represented in his “Revivification of the Religious Sciences”. The place of *fiqh* (Islamic religious law) in the classification of the sciences and the understanding of the “worldly” character of *fiqh* will be explored.

Note: Expected to be given in 2003–04.

Prerequisite: Knowledge of Arabic is not required, but desirable.

[Islamic Civilizations 120. The Arab Mediterranean City]

Catalog Number: 0686

Susan G. Miller

Half course (fall term). Hours to be arranged.

Cities have defined Mediterranean culture for thousands of years. Using sources from medieval times to the present, the interaction between urban form and social praxis is traced against the background of an encompassing Islamic culture: the city as sacred space, performance space, domestic and monumental space. Examples are drawn primarily from North Africa but also from Egypt and the Levant to fill out the trans-Mediterranean perspective.

Note: Expected to be given in 2003–04.

Islamic Civilizations 121. Politics, Society and Religion in North Africa from 1500 to the Present

Catalog Number: 6224

Susan G. Miller and Jocelyne Cesari

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An initiation to North African history and society surveying the evolution of state-societal relations from the late medieval period to the present. Topics include: Maghribi space and society in the medieval literature; saint worship and sultanic authority; slavery; the nineteenth century encounter with the West; race and caste in the colonial era; the Algerian revolution in film and fiction, post-colonial political transformations; political Islam; economic liberalization and cultural change.



Islamic Civilizations 124. Central Asian Culture and Society

Catalog Number: 3927 Enrollment: Limited to 20.

John S. Schoeberlein

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The course 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: Intended primarily for advanced undergraduates and graduate students; some background in the Near East and/or the former Soviet Union desirable.

[Islamic Civilizations 125. History and Culture of Islamic Peoples of the Former Soviet Union]

Catalog Number: 0646 Enrollment: Limited to 20.

John S. Schoeberlein

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. Intended primarily for graduates and advanced undergraduates; some background in the Near East and/or the Soviet Union desirable.

Islamic Civilizations 133. Introduction to Islamic Political Thought

Catalog Number: 9565

Angela Jaffray

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This course aims to provide the student with an appreciation of the variegated nature of political thought in the Islamic world from its inception under the religious and political leadership of the Prophet Muhammad to its elaboration at the hands of a wide array of philosophers, theologians, and political theorists, both medieval and modern. Through close analysis of key texts we will explore such topics as revelation, leadership, community, and law.

Note: All readings in English.

Islamic Civilizations 145. Islamic Philosophy and Theology

Catalog Number: 0292

Robert Wisnovsky

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An introduction to 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 is also examined.

Note: Expected to be omitted in 2003–04. 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

John Schoberlein

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04. Primarily for graduate students and advanced undergraduates. Some background in Central Asia and/or Islamic civilizations preferable.

Islamic Civilizations 161. Cultures of Domination in Central Asia

Catalog Number: 9924 Enrollment: Limited to 20.

John S. Schoeberlein

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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: Intended primarily for graduates and advanced undergraduates; some background in the Near East and/or Central Eurasia desirable.

Cross-listed Courses

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

History 1877a. History of the Near East, 600–1055

[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

[Religion 1551. For the Love of God and His Prophet: Literary and Artistic Expressions of Muslim Devotional Life: Seminar]

Religion 1555. Introduction to Islamic Mysticism: The Sufi Tradition



[*Religion 1585. Islam in South Asia: Religion, Culture and Identity in South Asian Muslim Societies]

Primarily for Graduates

***Islamic Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar**

Catalog Number: 5918

Laila Parsons

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Interdisciplinary seminar designed primarily for students in the first semester of the Center for Middle Eastern Studies A.M. program, although open to all first-year graduate students in Middle Eastern Studies and related fields. Students are introduced to the major disciplines that constitute Middle Eastern Studies, including history, political science, anthropology, literature and Islamic Studies. Faculty members who are specialists in these disciplines will serve as guest lecturers.

Note: Required for students pursuing the A.M. in Middle Eastern Studies.

Islamic Civilizations 200b. Middle Eastern Studies Research Project: Seminar

Catalog Number: 9274

Laila Parsons

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Interdisciplinary seminar designed primarily for students in the final semester of the Center for Middle Eastern Studies A.M. program, although open to A.M. students in related fields. Students are required to expand a short paper already written for another course in Middle Eastern Studies into a long research paper, and to present the results of their research to the seminar. Students are also required to read the materials provided by the presenters in advance of their presentations, and to critique those presentations.

Note: Required for students pursuing the A.M. in Middle Eastern Studies.

Islamic Civilizations 210. Readings in Islamic Political Thought: Conference Course

Catalog Number: 9675

Ridwan Al-Sayyid and Roy Mottahedeh

Half course (fall term). W., 4–6. EXAM GROUP: 9

Topic to be announced.

Note: Knowledge of Arabic, and/or Persian required.

***Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam**

Catalog Number: 7515

Ali S. Asani

Half course (fall term; repeated spring term). Hours to be arranged.

A seminar for graduate students focusing on current scholarship on Islamic civilization in South Asia.

Note: Open to qualified undergraduates.

Prerequisite: Introductory coursework on Islam, Religion 1585 or equivalent.



Graduate Courses of Reading and Research

***Islamic Civilizations 300. Reading and Research in Islamic Civilizations**

Catalog Number: 1963

Ali S. Asani 7739, William A. Graham, Jr. 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, Wheeler M. Thackston, Jr. 4004, and Robert Wisnovsky 2229

***Islamic Civilizations 350. Reading and Research in Ottoman History and Literature**

Catalog Number: 4084

Sinasi Tekin 2353

Armenian Studies

See also below under Armenian.

For Undergraduates and Graduates

[Armenian Studies 100. Armenian Epic]

Catalog Number: 2576

James R. Russell

Half course (fall term). Hours to be arranged.

Reading in translation of *The Wild Men of Sasun*, with analysis of native historical and mythological sources, and thematic comparison to epic poetry of the neighboring Iranians (Ossetic *Narts*, Persian *Shah-nameh*, Kurdish epic songs), Turks (*Dede Korkut*), and Greeks (*Digenes Akrites*).

Note: Expected to be given in 2003–04.

Cross-listed Courses

[Folklore and Mythology 140. Spells, Scrolls, and Saints: Armenian Folk Religion]

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). Hours to be arranged.

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). Hours to be arranged.

Readings from the various genres of Akkadian hymns and prayers, with particular emphasis on the genre of *shuilla* prayers. In the course of the semester students are expected to master the style and vocabulary of these texts, as well as to learn how to reconstruct a text from several manuscripts.

Note: Expected to be given in 2003–04.

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 2003–04.

[Akkadian 149. Akkadian Legal and Economic Texts]

Catalog Number: 6703

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 150. Akkadian Historiographic Texts]

Catalog Number: 2417



Peter Machinist

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 151. Cuneiform Sources for the Hellenistic Period]

Catalog Number: 2125

Paul-Alain Beaulieu

Half course (spring term). 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 2003–04.

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 2003–04.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of a cuneiform script.

Akkadian 153. Old Akkadian

Catalog Number: 8334

Piotr Steinkeller

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8

Readings in representative historical, epistolary, literary, and economic texts with emphasis on the grammar.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 154a. Peripheral Akkadian]

Catalog Number: 2416

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Two full courses in Akkadian.

Akkadian 155r. Akkadian Historical Grammar and Dialectology

Catalog Number: 0232

John Huehnergard

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Topic for 2002–03: Old Assyrian

Note: Expected to be omitted in 2003–04.

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 (fall term only), John Huehnergard 7697, Peter Machinist 2812 (on leave spring term), and Piotr Steinkeller 7337

Sumerian

For Undergraduates and Graduates

[Sumerian A. Elementary Sumerian]

Catalog Number: 5260

Piotr Steinkeller

Full course. Hours to be arranged.

Introduction to the Sumerian language with emphasis on grammatical structure.

Note: Expected to be given in 2003–04.

Sumerian 120. Intermediate Sumerian

Catalog Number: 7399

Piotr Steinkeller

Full course (indivisible). Tu., 1–4. EXAM GROUP: 15, 16

Prerequisite: Knowledge of basic Sumerian grammar, vocabulary, and cuneiform script.

[Sumerian 146. Sumerian Religious Literature]

Catalog Number: 2605

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

[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 2003–04.

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 assistant

Full course. Section I&II: M. through F., at 9; Section III&IV: M. through F., at 10. EXAM GROUP: 2, 11

Introduces students to the phonology and script of classical/modern standard Arabic and covers the basic morphology and syntax of the written language. Emphasis on the development of the four skills (reading, speaking, listening and writing) at the earliest stages. Samples of modern (contemporary) and classical styles of writing introduced into basic syllabus, and audio-visual material from the contemporary Arabic media.

Note: Exam date to be announced.

[Arabic 110. Colloquial Levantine Arabic]

Catalog Number: 6732

Wheeler M. Thackston, Jr.

Half course (fall term). Hours to be arranged.

A basic course in the spoken Arabic of the Levant (Lebanon, Syria, Palestine). Principles of grammar and syntax and foundation for conversation.

Note: Expected to be given in 2003–04. Some knowledge of Arabic helpful but not required.

Arabic 120a. Intermediate Classical Arabic

Catalog Number: 1106

Ahmed H. al-Rahim and assistant



Half course (fall term). M. through F., at 10. EXAM GROUP: 3, 12

A thorough review of classical Arabic grammar with emphasis on reading and writing, with some discussion in Arabic in class for vocabulary and structure reinforcement. Readings will focus on medieval Arabic historiography: biographical dictionaries, chronicles, and geography/"travel" literature. Contemporary texts dealing with "classical" themes will form part of the syllabus to help students develop better reading fluency.

Prerequisite: Arabic A or equivalent.

Arabic 120b. Intermediate Classical Arabic

Catalog Number: 0597

Ahmed H. al-Rahim and assistant

Half course (spring term). M., through F., at 10. EXAM GROUP: 3, 12

Continuation of Arabic 120a.

Arabic 121a. Intermediate Modern Arabic

Catalog Number: 0973

William E. Granara and assistant

Half course (fall term). Sections A and B will both meet M. through F., at 11; Tu., Th., at 12; Tu., Th., at 11; Tu., Th., at 1; Tu., Th., at 10. EXAM GROUP: 4, 13

A continuation of Elementary Arabic with equal emphasis on speaking, reading, oral and aural skills. Selections from contemporary Arabic media will be introduced and will serve as bases for reading and conversation.

Arabic 121b. Intermediate Modern Arabic

Catalog Number: 0685

Ahmed H. al-Rahim and William E. Granara

Half course (spring term). Sections A and B will both meet M., W., F., at 11 and a speaking section to be arranged. EXAM GROUP: 4, 13

A continuation of Arabic 121a.

Arabic 130a. Advanced Classical Arabic

Catalog Number: 4591

Robert Wisnovsky

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

Robert Wisnovsky

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Continuation of Arabic 130a or may be taken separately with permission of the instructor.

Readings from corpus of "Adab" (Belles-Lettres) literature, as well as various pieces of classical Arabic poetry.



Arabic 131a. Advanced Modern Arabic

Catalog Number: 0739

Ahmed H. al-Rahim and assistant

Half course (fall term). M. through Th., at 1. EXAM GROUP: 6, 15

Reading and discussion of selections from Arabic newspapers and journals on contemporary political, social, religious, and cultural issues in the Arab world. Emphasis on developing advanced reading and speaking skills, with some attention to writing and listening comprehension.

Arabic 131b. Advanced Modern Arabic

Catalog Number: 0697

Ahmed H. al-Rahim and assistant

Half course (spring term). M., W., 1–2:30, Th., 1–3. EXAM GROUP: 6, 7

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.

Note: Expected to be given in 2003–04.

Prerequisite: Arabic 120b or equivalent.

[Arabic 141. Introduction to the Hadith]

Catalog Number: 0705

William A. Graham, Jr.

Half course (spring term). Hours to be arranged.

Introduction to and selected readings in the Hadith literature.

Note: Expected to be given in 2003–04.

Prerequisite: Arabic 120b or permission of instructor.

Arabic 144. Sources for the Study of Islamic History

Catalog Number: 3450

Roy Mottahedeh

Half course (spring term). First meeting will be W., 1/29, 2-4. EXAM GROUP: 7, 8

Prerequisite: Elementary knowledge of Arabic.

Arabic 146r. History of the Arabic Languages

Catalog Number: 8526

Wolfhart P. Heinrichs

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

A presentation of the linguistic and cultural history of the various forms of Arabic, including Old North Arabian, Early Classical Arabic (pre-Islamic poetry and Koran), medieval Islamic Arabic,



Middle Arabic (with Judeo-Arabic) and the dialects.

Prerequisite: Two years of Arabic or equivalent.

[Arabic 150r. History of Classical Arabic Literature]

Catalog Number: 7759

Wolfhart P. Heinrichs

Half course (spring term). Hours to be arranged.

Overview of Classical Arabic literature, including reading and discussion of selected texts.

Note: Expected to be given in 2003–04. Knowledge of Arabic an advantage, but not required. If there is sufficient interest, an additional hour will be set aside for reading in the originals.

[Arabic 160r. Readings in Arabic Historians, Geographers and Biographers]

Catalog Number: 5617

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

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

Ridwan Al-Sayyid (Lebanese University)

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 245r. Classical Arabic Literature: Seminar]

Catalog Number: 4854



Wolfhart P. Heinrichs

Half course (fall term). Hours to be arranged.

Topic for 2003-04: To be announced.

Note: Expected to be given in 2003–04.

Arabic 246r. Maghribi Literary and Cultural Texts: Seminar

Catalog Number: 6196

William E. Granara

Half course (spring term). M., 5–7 p.m.

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. The course examines the emergence of a “Maghribi” identity amidst cross-cultural relations with the Christian North and the Muslim East.

Note: First meeting on W., 1/29 at 2 at 1430 Mass. Ave., room 414.

Prerequisite: Three years of Arabic, or permission from the instructor.

Arabic 248r. Medieval Arabic Writings on Grammar: Seminar

Catalog Number: 1440

Wolfhart P. Heinrichs

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

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.

Prerequisite: Reading knowledge of Arabic.

***Arabic 249r. Arabic Philosophical Texts: Seminar**

Catalog Number: 3572

Robert Wisnovsky

Half course (spring term). W., 4–6. EXAM GROUP: 9

Selected readings from *falsafa* literature. Topic for 2002-03: Logic.

Note: Expected to be omitted in 2003–04.

Prerequisite: Three years of Arabic or equivalent.

Arabic 250r. Arabic Theological Texts: Seminar

Catalog Number: 7849

Robert Wisnovsky

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Selected readings from *kalâm* and other types of theological literature. Topic for 2002–03: Shi'ism.

Note: Expected to be omitted in 2003–04. Offered jointly with the Divinity School as 3883.

Prerequisite: Three years of Arabic or equivalent.

Arabic 254. Islamic Legal Theory

Catalog Number: 9629

Aron Zysow

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An introduction to the concepts and arguments of classical Islamic legal theory (*usul al-fiqh*)



covering the main topics of this discipline, including the authentication and interpretation of sources, analogy, and consensus. The connections of legal theory to theology and positive law will also be considered.

Note: Three years of Arabic or the 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, Wolfhart P. Heinrichs 4988, Roy Mottahedeh 1454, Wheeler M. Thackston, Jr. 4004, and Robert Wisnovsky 2229

***Arabic 320. Modern Arabic Literature and Literary Criticism**

Catalog Number: 9167

William E. Granara 1054

Half course (fall term; repeated spring term). Hours to be arranged.

Aramaic

For Undergraduates and Graduates

See also Ancient Near East and Biblical Studies, Jewish Studies, and Early Iranian Civilizations.

[Aramaic A. Introduction to Targumic Aramaic](#)

Catalog Number: 5985

John Huehnergard

Half course (fall term). W., F., at 11. EXAM GROUP: 4

An introduction to the grammar of the Aramaic of Targum Onqelos.

Note: Expected to be omitted in 2003–04. No previous knowledge of any Semitic language will be assumed.

[Aramaic C. Elementary Syriac]

Catalog Number: 3494

J. F. Coakley

Full course. Hours to be arranged.

Basic Syriac grammar and syntax, with selected readings from the Syriac Bible and other early texts.

Note: Expected to be given in 2003–04.

[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.

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.

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, and Jon D. Levenson (Divinity School) 2264 (spring term only)

Armenian

See also Armenian Studies.

For Undergraduates and Graduates

Armenian A. Elementary Classical Armenian

Catalog Number: 5476

James R. Russell

Full course. Hours to be arranged.

Introduction to classical Armenian grammar and reading of selected texts.

Armenian B. Elementary Modern Eastern Armenian

Catalog Number: 7168

James R. Russell

Full course. Hours to be arranged.

Introduction to the spoken and literary language of the Republic of Armenia.

Armenian 120a. Intermediate Modern Eastern Armenian

Catalog Number: 4892

James R. Russell

Half course (fall term). Hours to be arranged.

Prerequisite: Armenian B or equivalent.



Armenian 121a. Intermediate Classical Armenian

Catalog Number: 0626

James R. Russell

Half course (fall term). Hours to be arranged.

Prerequisite: Armenian A or equivalent.

Armenian 130. Advanced Classical Armenian

Catalog Number: 4926

James R. Russell

Full course. Hours to be arranged.

The text of St. Grigor Narekats'i *Matean olbergut'ean*, with other mystical texts from Armenian and Eastern Christian traditions.

Prerequisite: Armenian A.

Primarily for Graduates

Armenian 240r. Readings in Classical Armenian

Catalog Number: 6603

James R. Russell

Half course (fall term; repeated spring term). Hours to be arranged.

Armenian 241r. Readings in Modern Armenian Literature

Catalog Number: 8746

James R. Russell

Half course (fall term). Hours to be arranged.

Graduate Courses of Reading and Research

***Armenian 300. Armenian Language and Literature**

Catalog Number: 0240

James R. Russell 3411

Ethiopic

For Undergraduates and Graduates

[Ethiopic A. Introduction to Classical Ethiopic (Ge'ez)]

Catalog Number: 7667

John Huehnergard

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2003–04.

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

John Lee Ellison

Full course. M., W., F., at 10. EXAM GROUP: 3

A thorough and rigorous introduction to Biblical Hebrew, with emphasis on grammar, in preparation for translation of biblical prose. Daily preparation and active class participation mandatory. Readings in the Hebrew Bible/Old Testament begin in the first semester and increase in complexity throughout the year.

Note: Offered jointly with the Divinity School as 4010.

Classical Hebrew 120a. Intermediate Classical Hebrew I

Catalog Number: 5545

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

Jo Ann Hackett

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 and assistant

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Note: Offered jointly with the Divinity School as 1626/4031.

Prerequisite: Classical Hebrew 130a or equivalent.

Classical Hebrew 138. Historical Grammar of Biblical Hebrew

Catalog Number: 4415

John Huehnergard

Half course (spring term). W., F., at 12. EXAM GROUP: 5

Note: Expected to be omitted in 2003–04.

Prerequisite: Classical Hebrew 130, or equivalent.

Classical Hebrew 238r. Advanced Study of Historical Hebrew Grammar

Catalog Number: 9997

Jo Ann Hackett and John Huehnergard

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Reading of major sections of the Biblical corpus with emphasis on historical linguistic issues.

Prerequisite: Classical Hebrew 130b and either Classical Hebrew 138 or Semitic Philology 140.

Modern Hebrew B. Elementary Modern Hebrew

Catalog Number: 4810

Miri Kubovy, Irit Aharony, and Anna Grinfeld (fall 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 91r. Supervised Reading and Research**

Catalog Number: 9854

Anna Grinfeld

Half course (fall term; repeated spring term). Hours to be arranged.



Modern Hebrew 120a. Intermediate Modern Hebrew I

Catalog Number: 1711

Miri Kubovy, 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

Miri Kubovy, 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). Tu., 7–9 p.m. EXAM GROUP: 18

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: Discussion, papers, and texts will be 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 (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

This course is 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. The course concentrates on oral and written grammatical drills, processing and mastering daily press, periodicals, television, radio, and internet.

Note: Course conducted in Hebrew.



[Modern Hebrew 134r. The Layers of Hebrew in Texts about Jerusalem]

Catalog Number: 6949

Irit Aharony

Half course (spring term). Hours to be arranged.

A survey of the layers of the Hebrew language as reflected in texts dealing with Jerusalem, written in different centuries. Students will learn the characteristic components of all the periods of the Hebrew language in many kinds of texts. For the modern period, selections will be taken from literature, the press, the media, and academic papers. The goal of this course is to facilitate scholarly work and research in Hebrew.

Note: Expected to be given in 2003–04. Conducted in Hebrew.

Prerequisite: Modern Hebrew 120a or equivalent.

Modern Hebrew 135r. How to Say “I Love You” in Hebrew

Catalog Number: 1159

Irit Aharony

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

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 will be examined. The goal of the course is to improve reading, writing, and speaking skills for advanced Modern Hebrew students.

Note: Conducted in Hebrew.

Prerequisite: Modern Hebrew 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 2003–04. This course will be conducted in English.

Literature and History Courses

For Undergraduates and Graduates

Hebrew 142. The Dead Sea Scrolls

Catalog Number: 6753

James L. Kugel

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A survey of the main texts discovered at Qumran and their importance for an overall understanding of Judaism toward the end of the biblical period.



Note: Offered jointly with the Divinity School as 1431.

Prerequisite: A reading knowledge of biblical Hebrew.

[Hebrew 150a. Introduction to Rabbinic Literature]

Catalog Number: 7629

Bernard Septimus

Half course (spring term). Hours to be arranged.

Designed to introduce students with a basic reading knowledge of Hebrew to Mishnah, Tosefta, Midrash and Talmud through a close study of representative texts in the original. Texts are mostly non-legal and in Hebrew (rather than Aramaic). Attention to questions of language, exegetical method, literary and intellectual history.

Note: Expected to be given in 2003–04.

Prerequisite: Intermediate biblical or modern Hebrew, or permission of instructor.

[Hebrew 150b. Introduction to Rabbinic Literature]

Catalog Number: 7878

Bernard Septimus

Half course (spring term). Hours to be arranged.

This course is a continuation of Hebrew 150a, although it can be taken independently. The readings are slightly more difficult, and include legal texts and texts that use Aramaic as well as Hebrew. No prior knowledge of Aramaic is assumed.

Note: Expected to be given in 2003–04.

Prerequisite: Hebrew 150a or permission of the instructor.

[Hebrew 152. Introduction to Medieval Hebrew Literature]

Catalog Number: 0888

Bernard Septimus

Half course (spring term). Hours to be arranged.

Designed to introduce students with a basic knowledge of Hebrew to the main genres of medieval Hebrew literature (exegesis, poetry, law, philosophy, mysticism, historiography) through a reading of representative texts in the original.

Note: Expected to be given in 2003–04.

Prerequisite: Intermediate Hebrew.

[Hebrew 153. Midrash Seminar]

Catalog Number: 3397

James L. Kugel

Half course (spring term). Hours to be arranged.

An examination of rabbinic interpretations of the Bible and their relationship to other early exegetical traditions. Focuses on a series of specific midrashic themes and motifs found in a variety of rabbinic texts and seeks to understand their original exegetical function as well as their development and history of transmission.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1840.

Prerequisite: A good reading knowledge of Mishnaic Hebrew.



Hebrew 160. The Origins and Development of the Classical Jewish Liturgy

Catalog Number: 9703

Bernard Septimus

Half course (spring term). M., 12:30–2:30. EXAM GROUP: 5, 6

An examination of current scholarship and controversy on the origins of the classical liturgy and a consideration of the primary-source evidence. Related topics will 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.

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). W., 1–3. EXAM GROUP: 6, 7

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.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 169. The Bavli and the Yerushalmi]

Catalog Number: 2226

Jay M. Harris

Half course (spring term). Hours to be arranged.

A comparative study of the Babylonian and "Jerusalem" Talmuds. Emphasis on comparing their relationship to antecedent sources, their use of *midrash*, and their rhetorical patterns. Also studied is the historical destiny of these two works in the medieval and modern periods.

Note: Expected to be given in 2003–04.

Hebrew 171. The Problem of Language in Medieval Jewish Thought

Catalog Number: 7205

Bernard Septimus

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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.

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). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 176. Aristotle's *Ethics* in Medieval Jewish Thought]

Catalog Number: 0805

Bernard Septimus

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 178. Mishnah and Tosefta]

Catalog Number: 0226

Shaye J.D. Cohen

Half course (fall term). Hours to be arranged.

Examination of the central synoptic problem in rabbinic literature: the interrelationship of the Mishnah and Tosefta. We will study several sample tractates and survey modern scholarship on the subject.

Note: Expected to be given in 2003–04. Expected to be given in 2003–04. Offered by the Divinity School as 3646.

Prerequisite: A good knowledge of rabbinic Hebrew.

[Hebrew 179. Circumcision and Jewish Identity]

Catalog Number: 3539

Shaye J.D. Cohen

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. Expected to be given in 2003–04. Offered by the Divinity School as 1459.

Prerequisite: A good knowledge of rabbinic Hebrew.

[Hebrew 184. Jewish Bible Commentary in the Modern Period]

Catalog Number: 5236

Jay M. Harris

Half course (spring term). 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 to be studied include the Gaon of Vilna, Moses Mendelssohn, Moses Sofer, Meir Leibush Malbim, Samuel David Luzatto, and Naftali Zvi Yehudah Berlin, each studied within the appropriate cultural context.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3688.

Cross-listed Courses



[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

[Comparative Literature 156. The Literature of Destruction]

[Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel]

Literature and Arts C-37. The Bible and Its Interpreters

Religion 1212a. Judaism: The Liturgical Year

Religion 1212b. Judaism: The Liturgical Year

Primarily for Graduates

***Hebrew 200r. Problems in the Literature, History, and Religion of Israel: Seminar**

Catalog Number: 3265

James L. Kugel, Paul D. Hanson (Divinity School), Jon D. Levenson (Divinity School), Peter Machinist, Richard James Saley (Divinity School), and Lawrence E. Stager

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2002-03: Israel and Judah in the 7th and 8th centuries B.C.E.

Note: Intended 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). W., 3–5:15. EXAM GROUP: 8, 9

Topic for 2002-03: Biblical Historiography — selections from the Deuteronomistic History and the Chronicler.

Prerequisite: Advanced reading knowledge of biblical Hebrew. Acquaintance with other relevant ancient and modern languages desirable.

Hebrew 209r. Literature of Israel: Seminar

Catalog Number: 1326

James L. Kugel

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Topic for 2002-03: Ecclesiastes

Note: Offered jointly with the Divinity School as 1824.

Prerequisite: Good reading knowledge of biblical Hebrew.

Hebrew 211r. Literature of Israel: Seminar

Catalog Number: 0727 Enrollment: Limited to 10.

Paul D. Hanson (Divinity School)

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

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 will direct the historical study towards issues of contemporary meaning.

Note: 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). Th., 1–3. EXAM GROUP: 15, 16

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: 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). Hours to be arranged.

A close critical reading of Genesis 37-50 and the Book of Esther in Hebrew. Emphasis on the literary design and religious message of each work and on the influence of the story of Joseph upon the Book of Esther.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1802.

Prerequisite: Three years of Hebrew or the equivalent.

Hebrew 223. The Book of Jubilees and Ancient Biblical Interpretation

Catalog Number: 1813

James L. Kugel

Half course (spring term). Hours to be arranged. Special first class meeting, Th., 1/30, at 1, Semitic Museum, room 209. EXAM GROUP: 15, 16

An in-depth examination of one of the most important texts of the post-exilic period.

Note: Offered jointly with the Divinity School as 1432.

Prerequisite: A reading knowledge of biblical Hebrew. (Also, welcome but not required: reading knowledge of Ge'ez and Aramaic.)

[Hebrew 224. Readings in the Testaments of the Twelve Patriarchs and Other Second Temple Texts.]

Catalog Number: 4565

James L. Kugel

Half course (fall term). Hours to be arranged.

A study centering on one mysterious document of the Second Temple period and the light it can shed on Jewish religious piety and practice toward the end of the biblical period.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1433.

Prerequisite: A reading knowledge of biblical Hebrew. (Also, welcomed but not required: reading knowledge of Greek and Aramaic.)

Hebrew 226r. Seminar in Jewish Studies

Catalog Number: 4663

Jay M. Harris

Half course (fall term; repeated spring term). M., 2:30–4:30. EXAM GROUP: 7, 8

Required of all incoming graduate students in Jewish Studies. An overview of the methods,



questions, and controversies in the field of Jewish Studies over the last two centuries.

Note: Open to qualified undergraduates with permission of the instructor.

Hebrew 228r. Priestly Literature: Seminar

Catalog Number: 6798

Gary Anderson (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

A survey of the classic range of Pentateuchal texts known as the Priestly Source. Selected texts from this corpus will be chosen for close textual analysis. Issues handled will include: the nature of P as a source (redactional layer or organic narrative), historical setting, literary levels (the problem of the Holiness Code and other secondary accretions), and central theological concerns. Topic for 2002: The tabernacle narrative and ancient Near Eastern stories about Temple Building.

Note: Intended primarily for doctoral students. Offered jointly with the Divinity School as 1985.

Prerequisite: Two years of Hebrew.

[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, presented in English.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1803/3871.

Prerequisite: Sound reading knowledge of Hebrew (any period).

[Hebrew 231. Genesis 12-25: Seminar]

Catalog Number: 1109

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. 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). Th., 1–3. EXAM GROUP: 15, 16

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 234. The Priestly Tradition from the Bible to the Mishnah: Seminar

Catalog Number: 9960

Shaye J.D. Cohen and Gary Anderson (Divinity School)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A seminar focusing on the evolution of priestly ideas, institutions, and literature from the Second Temple period to the emergence of rabbinic Judaism in the Mishnah. Key documents to be considered: Dead Sea Scrolls, Ben Sira, Josephus, Hebrews, Mishnah.

Note: Offered jointly with the Divinity School as 1815.

Prerequisite: Two years of Hebrew. Knowledge of Greek is useful but not required.

[Hebrew 245. Early Biblical Interpretation: Seminar]

Catalog Number: 6731

James L. Kugel

Half course (spring term). Hours to be arranged.

Biblical interpretation from its beginnings within the Hebrew Bible itself to evidence of its continuing development as found in ancient Bible translations, biblical apocrypha and pseudepigrapha, commentaries, sermons, liturgical poetry, and other Jewish and Christian writings of late antiquity.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1804.

Prerequisite: A good reading knowledge of biblical Hebrew.

Hebrew 248. From Esoteric Circle to Mass Movement: The Emergence of Early Hasidism: Seminar

Catalog Number: 9649

Immanuel Etkes (Hebrew University)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A study of all the major aspects of Hasidism, as it evolved from a small circle of mystics to a mass movement embraced by the majority of Jews in Eastern Europe

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? This course examines 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: Readings primarily in Hebrew.

Graduate Courses of Reading and Research

***Hebrew 300. Classical Hebrew Language and Literature**

Catalog Number: 7831

Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, John Huehnergard 7697, James L. Kugel 7575 (on leave fall term), Peter Machinist 2812 (on leave spring term), and Lawrence E. Stager 1468



***Hebrew 350. Postbiblical Hebrew Language and Literature**

Catalog Number: 4408

Jay M. Harris 2266, James L. Kugel 7575 (on leave fall term), 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 (spring term). Hours to be arranged.

Introduction to Old Persian.

Note: Expected to be given in 2003–04.

[Iranian B. Introduction to Avestan]

Catalog Number: 3936

P. Oktor Skjaervo

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2003–04.

[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). M., W., 3–4:30. EXAM GROUP: 8, 9

Introduction to Old Avestan.

Prerequisite: Iranian B.

[Iranian 142c. Avestan IV](#)

Catalog Number: 1689



P. Oktor Skjaervo

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9

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.

Note: Expected to be given in 2003–04.

[Iranian 146b. Eastern Middle Iranian III. Introduction to Bactrian II]

Catalog Number: 0827

P. Oktor Skjaervo

Half course (spring term). Hours to be arranged.

Advanced readings in Bactrian texts.

Note: Expected to be given in 2003–04.

Cross-listed Courses

[Linguistics 221r. Workshop in Indo-European](#)

Primarily for Graduates

[Iranian 208r. Advanced Sogdian](#)

Catalog Number: 2457

P. Oktor Skjaervo

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

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. 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.

Graduate Courses of Reading and Research

***Persian 300. Persian Language and Literature**

Catalog Number: 6962

Wheeler M. Thackston, Jr. 4004 and Roy Mottahedeh 1454

Semitic Philology



For Undergraduates and Graduates

Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages

Catalog Number: 8602

John Huehnergard

Half course (fall term). W., F., at 1. EXAM GROUP: 6

Note: Expected to be omitted in 2003–04.

Prerequisite: Knowledge of two Semitic languages.

[Semitic Philology 151. Introduction to Northwest Semitic Epigraphy]

Catalog Number: 2858

Jo Ann Hackett

Half course (fall term). Hours to be arranged.

Readings in Hebrew and Phoenician inscriptions with an introduction to methods and techniques of Northwest Semitic palaeography, and attention to problems of historical grammar.

Note: Expected to be given in 2003–04.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140.

Semitic Philology 152. Introduction to Ugaritic

Catalog Number: 2777

Jo Ann Hackett

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Introduction to Ugaritic grammar, with readings in mythological, epistolary, and administrative texts.

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). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140 or equivalent.

Semitic Philology 220r. Northwest Semitic Epigraphy: Seminar

Catalog Number: 2948

Jo Ann Hackett

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Topic for 2002-03: Advanced study of Ugaritic texts.

Prerequisite: Semitic Philology 152.

[Semitic Philology 230. The Early History of Northwest Semitic]

Catalog Number: 3959

John Huehnergard

Half course (spring term). Hours to be arranged.



Readings in the Canaanizing Akkadian tablets from el-Amarna; review of so-called “Amorite” sources, as well as early alphabetic, Egyptian, and other evidence for Northwest Semitic in the second millennium BCE.

Note: Expected to be given in 2003–04.

Prerequisite: Akkadian A and Classical Hebrew 138 or Semitic Philology 151.

Graduate Courses of Reading and Research

***Semitic Philology 300. Semitic and Afroasiatic Languages and Literatures**

Catalog Number: 2762

Jo Ann Hackett 2389, 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 and assistant

Full course (indivisible). Fall: M., W., F., at 10; Spring: M., W., F., at 10; Th., at 2; F., at 1.

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. EXAM GROUP: 16, 17

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. through F., at 10. EXAM GROUP: 3, 12

Emphasis on complex sentence structure and building communicative competence in describing events and expressing ideas through exercises in reading, writing, and speaking.

Note: 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., through F., at 10. EXAM GROUP: 3, 12

Studies in argumentative and literary prose.

Note: Not open to auditors.

Prerequisite: Turkish 120a or equivalent.

Turkish 121a. Elementary Uzbek

Catalog Number: 3006

Wheeler M. Thackston, Jr. and assistant

Half course (fall term). Hours to be arranged; four meetings per week.

Introduction to conversational and literary Uzbek. Overview of the grammar, intensive practice of the spoken language, and reading of contemporary texts.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 121b. Elementary Uzbek

Catalog Number: 7303

Wheeler M. Thackston, Jr. and assistant

Half course (spring term). Hours to be arranged; four meetings per week.

Continuation of Turkish 121a.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 130a. Advanced Turkish I

Catalog Number: 6964

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. The first meeting will take place on Tu. 9/17, at 1:00pm in Rm 304 of the Semitic Museum.

Prerequisite: Turkish 120b or equivalent.

Turkish 130b. Advanced Turkish II

Catalog Number: 4354

Hakan T. Karateke

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7

Studies in literary and idiomatic prose through readings, discussions, and writing of short analytical papers.

Note: Not open to auditors.

Prerequisite: Turkish 130a or equivalent.

Turkish 140. Introduction to Ottoman

Catalog Number: 1906

Sinasi Tekin

Full course. 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; and one year of Arabic or Persian desirable.

[Turkish 142. Introduction to Ottoman Palaeography and Diplomatic Correspondence]

Catalog Number: 0239

Sinasi Tekin

Full course. Hours to be arranged.

Calligraphic, orthographic, and stylistic characteristics of Ottoman legal and diplomatic correspondence through reading and analysis of primary sources.

Note: Expected to be given in 2003–04.

Prerequisite: Turkish 140 or equivalent.

Turkish 146. Old Turkish

Catalog Number: 2929

Sinasi Tekin

Full course. Spring: Tu., 10–1. EXAM GROUP: Spring: 12, 13, 14

Writing and structure of Old Turkish through readings in Orkhon inscriptions and Old Uyghur Buddhist and Manichaean texts.

Prerequisite: Knowledge of one Turkish language.

Turkish 147a. Advanced Uzbek

Catalog Number: 3846

Wheeler M. Thackston, Jr. and assistant

Half course (fall term). Hours to be arranged.



Turkish 147b. Advanced Uzbek

Catalog Number: 4820

Wheeler M. Thackston, Jr. and assistant.

Half course (spring term). Hours to be arranged.

Continuation of Turkish 147a.

Primarily for Graduates

Turkish 240. Readings in Ottoman Sources

Catalog Number: 2180

Sinasi Tekin and assistant

Full course (indivisible). Fall: Tu., Th., 9–10:30; Spring: W., 1–4. EXAM GROUP: Fall: 11, 12; Spring: 6, 7, 8

Codicological analysis of handwritten documents from the 13th to the 18th century in photocopies and in the originals from a private collection. Analysis of textual styles of different genres.

Prerequisite: Turkish 140 or equivalent.

Graduate Courses of Reading and Research

***Turkish 300. Turkish Languages and Literatures**

Catalog Number: 7702

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). Hours to be arranged.

Further develops the four basic communication skills. Includes selected readings from modern Yiddish literature.

Note: Expected to be given in 2003–04.

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.

Note: Expected to be given in 2003–04.

Prerequisite: Yiddish Ca or equivalent.

Yiddish 102r. Modern Yiddish Literature I

Catalog Number: 4013

David G. Roskies (*Jewish Theological Seminary of America*)

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Topic for 2002-03: From Markuze to Mende: The Birth of Modern Yiddish Literature, 1790 - 1880. How, from modest beginnings the first distinctly literary voices emerged in the spoken language of East European Jewry: the fantastical tales of Nahman of Bratslav, the parodies of Joseph Perl, the fables and comedies of Shloyme Etinger, the panoramic novel of Israel Aksenfeld, the didactic stories of Isaac Meir Dik, and towering above them all, “Mende”, the peripatetic book peddler, editor, publisher man-about-town.

Note: Taught in Yiddish.

Yiddish 105. Yiddish Language and Linguistic Theory

Catalog Number: 7146

David Braun

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Yiddish, spoken among Ashkenazic Jews 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 will look at a wide range of Yiddish data and will read and discuss some of the more recent analytical attempts to understand these phenomena.

Yiddish 108. American Jewish Literature: At the Center or the Margins?

Catalog Number: 6058

Ruth R. Wisse

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

Prerequisite: Reading knowledge of Yiddish preferred, but not mandatory.



[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 will be available in English translation.

Cross-listed Courses

[Comparative Literature 103r. Literature and Politics: The Case of Zionism]

Primarily for Graduates

[Yiddish 200r. Modern Yiddish Literature: Seminar]

Catalog Number: 4263

Ruth R. Wisse

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Reading knowledge of Yiddish required.

Yiddish 202r. Yiddish Literature: Seminar

Catalog Number: 3854

Ruth R. Wisse

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Note: To be coordinated with Comparative Literature 166: The Comic Tradition in Jewish Culture.

Prerequisite: Reading knowledge of Yiddish.

Graduate Courses of Reading and Research

***Yiddish 300. Yiddish Language and Literature**

Catalog Number: 7833

Ruth R. Wisse 3177 (on leave spring term)

Oceanography



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Oceanography

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies (*Chair*)
James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology
Allan R. Robinson, Gordon McKay Research Professor of Geophysical Fluid Dynamics
Daniel P. Schrag, Professor of Earth and Planetary Sciences
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science
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 (*Chair*) (*on leave 2002-03*)
Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity (*Acting Chair*)
Melissa Barry, Assistant Professor of Philosophy
Ned Block, Visiting Professor of Philosophy (*New York University*)
Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic (*on leave 2002-03*)
Richard G. Heck, Jr., Professor of Philosophy (*Head Tutor*)
Peter Hylton, Visiting Professor of Philosophy (*University of Illinois at Chicago*)
Jeffrey King, Visiting Professor of Philosophy (*University of California, Davis*) (*fall term only*)
Christine M. Korsgaard, Arthur Kingsley Porter Professor of Philosophy (*on leave 2003-04*)
Charles D. Parsons, Edgar Pierce Professor of Philosophy
Amartya Sen, Lamont University Professor
Susanna Siegel, Assistant Professor of Philosophy (*on leave 2002-03*)



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*)
Jonathan Vogel, Visiting Professor of Philosophy (*Amherst College*) (*spring term only*)
Andrew Williams, Visiting Professor of Philosophy (*University of Reading*) (*fall term only*)
Raphael Graham Woolf, Assistant Professor of Philosophy (*on leave 2002-03*)

Other Faculty Offering Instruction in the Department of Philosophy

Catherine Z. Elgin, Professor of Education (*School of Education*) (*fall term only*)

Primarily for Undergraduates

Philosophy 3. Introduction to the Problems of Philosophy

Catalog Number: 1996

Scott Sturgeon (*Birbeck College*)

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Introduction to methods of contemporary philosophy, concentrating on the following questions: What is the relation between your mind and your body? Will computers ever have minds of their own? What makes you the person that you are? Could you survive the death of your body? Would your clone be a different person from you? Is it already settled how the future is going to turn out? Does that mean you have no free will?

Philosophy 8. Introduction to the History of Early Modern Philosophy

Catalog Number: 8947

Alison Simmons

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

A survey of 17th- and 18th-century philosophy with a focus on the major metaphysical and epistemological writings of Descartes, Locke, Hume, and Kant. Topics include the natures of mind and body, the physical world, freedom, and human knowledge. Special attention to the rise of mechanistic science (i.e. the “Scientific Revolution”).

***Philosophy 97hf. Tutorial — Sophomore Year**

Catalog Number: 1669

Richard G. Heck, Jr.

Half course (throughout the year). Hours to be arranged. EXAM GROUP: Spring: 18

Note: Required of all sophomore concentrators.

***Philosophy 98hf. Tutorial — Junior Year**

Catalog Number: 5533

Richard G. Heck, Jr.

Half course (throughout the year). Hours to be arranged.

Note: Required of all junior concentrators.

***Philosophy 99. Tutorial — Senior Year**

Catalog Number: 4396



Richard G. Heck, Jr. 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 56. Self, Freedom, and Existence]

[Moral Reasoning 60. Reason and Morality](#)

[Moral Reasoning 66. Moral Reasoning About Social Protest]

[Quantitative Reasoning 22. Deductive Logic](#)

For Undergraduates and Graduates

[Philosophy 101. Plato](#)

Catalog Number: 5374

Gisela Striker

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to Plato's philosophy through the early and middle dialogues. Topics range from ethics and epistemology to metaphysics and political philosophy. We will discuss the following dialogues: Laches, Gorgias, Meno, Phaedo, Republic.

[Philosophy 120. The Rationalists]

Catalog Number: 2512

Alison Simmons

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

[Philosophy 121. The Ethical Thought of Hume](#)

Catalog Number: 2690

Christine M. Korsgaard

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

A study of Hume's ethical and political philosophy, with attention to its basis in Hume's theory of the mind and of the passions; its background in 17th- and 18th-century British moral philosophy; and its relation to Hume's philosophy of religion.

[Philosophy 122. British Empiricism](#)

Catalog Number: 9025

Alison Simmons

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A study of the central works of Locke, Berkeley, and Hume with primary emphasis on their contributions to metaphysics and epistemology.



***Philosophy 123. Topics in Descartes: Proseminar**

Catalog Number: 9499

Alison Simmons

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

We will examine Descartes' account of human beings, including his claims that mind and body are (a) "really distinct," (b) substantially "united" and (c) causally related. We will also consider Descartes' more specific treatments of human physiology, psychophysics, sensory perception and passions in the *Treatise on Man* and the *Passions of the Soul*.

[Philosophy 129. Kant's *Critique of Pure Reason*]

Catalog Number: 0614

Charles D. Parsons

Half course (spring term). Hours to be arranged.

Aims at a general understanding of the first *Critique* as a whole. An examination of the work's central metaphysical and epistemological doctrines, with particular attention to its historical context.

Note: Expected to be given in 2003–04.

Prerequisite: Philosophy 8 strongly recommended.

***Philosophy 136. Husserl and Heidegger: Proseminar**

Catalog Number: 0146

Charles D. Parsons

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to the transcendental phenomenology of Husserl and to the "existential" phenomenology of Heidegger's *Being and Time*. Views of each on such topics as the everyday world and the place of the human subject in it, meaning and interpretation, time, and the nature and method of philosophy.

Philosophy 141z. Frege

Catalog Number: 5857

Peter Hylton (University of Illinois at Chicago)

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

More than anyone else, Gottlob Frege was responsible for developing modern logic. He put that logic to philosophical use, especially in explaining the nature of arithmetic. In thinking through the implications of that use he developed philosophical views which are of continuing significance and interest. We shall examine his use of logic, and his philosophy, in some depth, and discuss recent interpretations of his thought.

Prerequisite: Quantitative Reasoning 22.

Philosophy 142. Intensional Logic

Catalog Number: 3970

Charles D. Parsons

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Logical treatment of "intensional" constructions, particularly necessity, possibility, and tense. Basic modal propositional logic and its semantics by "possible worlds." Elements of propositional tense logic. Quantifiers, singular terms, and existence, and their interaction with



modality.

Prerequisite: Quantitative Reasoning 22 or equivalent, or a background in mathematics.

[Philosophy 144. Logic and Philosophy]

Catalog Number: 1111

Warren Goldfarb

Half course (spring term). Hours to be arranged.

Three philosophically important results of modern logic: Gödel's incompleteness theorems; Turing's definition of mechanical computability; Tarski's theory of truth for formalized languages. Discusses both mathematical content and philosophical significance of these results.

Note: Expected to be given in 2003–04.

Prerequisite: Some knowledge of deductive logic.

Philosophy 147z. Sense and Reference

Catalog Number: 1390

Richard G. Heck, Jr.

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

Proper names refer to objects. But can we fully understand their functioning simply in terms of their referring to objects? We shall consider Frege's argument that we cannot, studying how his view has been developed by Strawson, Dummett, Evans, and others. We shall then look at objections and alternatives from Donnellan, Putnam, and Perry. Central to the course is a close reading of Kripke's *Naming and Necessity*.

Philosophy 148. Philosophy of Mathematics

Catalog Number: 8341

Charles D. Parsons

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

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.

Prerequisite: Quantitative Reasoning 22 or the equivalent or some background in mathematics.

Philosophy 155y. Russell and Logical Positivism

Catalog Number: 4470

Peter Hylton (University of Illinois at Chicago)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Bertrand Russell did much as anyone to set the tone and the agenda for twentieth-century analytic philosophy. We shall read important works of his, concentrating on the period 1905-19. We shall also examine the influential philosophical movement widely known as Logical Positivism, concentrating on the works of Carnap.

Philosophy 156y. Philosophy of Mind: Consciousness

Catalog Number: 6098

Ned Block (New York University)

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

Conceptual and empirical issues about consciousness: the Hard Problem vs Easy Problems, the



epistemic and ontological status of physicalism, consciousness and representation, modal arguments for dualism, consciousness and higher order thought, the nature of phenomenal concepts, consciousness and the self, the prospects for an objective scientific account of consciousness, the function of consciousness, the nature of unconscious perception, disorders of consciousness, and the coherence and plausibility of an inverted spectrum.

Philosophy 156z. Philosophy of Mind: Minds and Machines

Catalog Number: 2171

Ned Block (New York University)

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

The computational picture of mind. Whether a machine could think; the computer model of the mind; the brain as a syntactic engine driving a semantic engine; the Turing test; whether the computational and biological approaches to the mind conflict; explanatory levels; whether computational structure is an objective matter; mental representation; the distinction between intelligence and intentionality; the distinction between mechanism, physicalism, and reductionism; connectionism and neural nets; mental imagery; the computational approach to meaning.

***Philosophy 158z. Epistemology: Contextualism and Justification: Proseminar**

Catalog Number: 6751

Catherine Z. Elgin (School of Education)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Traditional epistemology sets a single standard for knowledge regardless of circumstances. But if, as some philosophers argue, knowledge is contextual, different standards apply to knowing scientific facts, historical facts, baseball scores. What favors contextualist epistemology? Where is it vulnerable? Does it rebut skepticism or simply redirect epistemology to other problems?

Philosophy 159. Epistemology

Catalog Number: 4507

Jonathan Vogel (Amherst College)

Half course (spring term). Tu., Th., at 10. 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 159z. Mental Causation: Proseminar**

Catalog Number: 8278

Ned Block (New York University)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Conceptual and empirical issues about concepts: what they are; how they function; conceptual change; holism; whether concepts are innate; and the relation between concepts and perception, imagery, categorization, functional role, and behavior.

***Philosophy 160z. Skepticism: Proseminar**

Catalog Number: 8262

Peter Hylton (University of Illinois at Chicago)



Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Can I know anything—really know anything—about the world outside my mind? This is one version of the classical skeptical question. We shall examine various ways in which the question has been thought to arise, and also various responses to it. We shall read from a number of authors, including Descartes, G. E. Moore, J. L. Austin, and Wittgenstein.

Philosophy 164. Metaphysics

Catalog Number: 1480

Jeffrey King (University of California, Davis)

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

We will take an in-depth look at two topics in contemporary metaphysics: 1.) recent attempts to understand what properties are and what it is for a thing to possess a property; 2.) the question of what it is to act intentionally, with discussion focusing on recent attempts to answer this question.

Philosophy 168. Kant's Ethical Theory

Catalog Number: 8361

Christine M. Korsgaard

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

A study of Kant's moral philosophy, based primarily on the *Groundwork of Metaphysics of Morals*, the *Critique of Practical Reason*, and *The Metaphysics of Morals*.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Philosophy 171x. Contemporary Political Philosophy

Catalog Number: 2266

Andrew Williams (University of Reading)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A study of some central problems in contemporary political philosophy, focusing in particular on issues of social justice. We will examine John Rawls's conception of justice as fairness, and various critical responses to it provided by libertarians, leftists, feminists, multiculturalists, and perfectionists, amongst others.

Philosophy 175. Ethical Theory

Catalog Number: 1108

Melissa Barry

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A study of several well-known forms of realism and anti-realism about moral norms, including expressivism, reductive and nonreductive naturalism, constructivism, and practical realism.

Topics will include the nature of moral judgments and moral facts, internalism and externalism about reasons and motives, reductionism, and naturalism.

Prerequisite: At least one previous course in philosophy.

Cross-listed Courses



Greek 110r. Plato

[History of Science 106. History of Ancient Science]

Islamic Civilizations 145. Islamic Philosophy and Theology

Mathematics 141. Introduction to Mathematical Logic

Mathematics 143. Set Theory

Primarily for Graduates

***Philosophy 229. Kant's Critique of Pure Reason: Seminar**

Catalog Number: 8062

Charles D. Parsons

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2002-03: The Transcendental Aesthetic and portions of the Transcendental Analytic.

***Philosophy 235. Skepticism: Seminar**

Catalog Number: 1698

Jonathan Vogel (Amherst College)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An examination of skepticism about the external world. What philosophical problems does such skepticism raise, and how should those problems be addressed? Readings from Austin, Moore, Wittgenstein, and contemporary sources.

***Philosophy 243z. Epistemology**

Catalog Number: 2443

Scott Sturgeon (Birbeck College)

Half course (fall term). W., 4–6. EXAM GROUP: 9

Questions about the nature of epistemic norms, such as: How do epistemic norms for coarse belief relate to those for credence? What kind of mental states do epistemic norms police? Are epistemic norms factual or nonfactual?

***Philosophy 247r. Philosophy of Language: The Pragmatic/Semantics Distinction: Seminar**

Catalog Number: 8402

Jeffrey King (University of California, Davis)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Beginning with the pioneering work of Grice and Stalnaker, we shall consider the distinction between semantics and pragmatics and its implications for current debates in philosophy.

***Philosophy 254. Consciousness: Seminar**

Catalog Number: 8690

Ned Block (New York University)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Conceptual and empirical issues concerning consciousness and some of the following: the physical, representation, perception, higher order thought, function, action, the self, concepts, Frege's problem, modality, conceivability, neural correlates, objectivity, spectrum inversion.



***Philosophy 255. Quine: Seminar**

Catalog Number: 0360

Peter Hylton (University of Illinois at Chicago)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

We shall read widely in the work of W. V. Quine, and attempt to come to terms with his philosophy as a whole.

***Philosophy 265. Practical Reason: Seminar**

Catalog Number: 7755

Melissa Barry

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A study of practical reason. Topics: the irreducibility of reasons, instrumental and non-instrumental conceptions of practical reason, Humean and anti-Humean theories of motivation, naturalism, and parallels between reasons for action and reasons for belief.

***Philosophy 271. Political Philosophy: Seminar**

Catalog Number: 5312

Thomas M. Scanlon, Jr. and Amartya Sen

Half course (spring term). M., 4–6. EXAM GROUP: 9

Some recent work in political philosophy, with emphasis on issues of global justice.

***Philosophy 272. Egalitarianism**

Catalog Number: 9918

Andrew Williams (University of Reading)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

An in-depth study of some recent debates about egalitarian distributive principles within political philosophy and economics. We will examine the views of Anderson, Arneson, Cohen, Dworkin, Okin, Parfit, Roemer, Sen, Rawls, Temkin, and Van Parijs.

***Philosophy 274. Action**

Catalog Number: 9583

Christine M. Korsgaard

Half course (spring term). W., 4–6. EXAM GROUP: 9

A study of some historical and contemporary accounts of the nature of action, with an emphasis on connections to issues in moral philosophy, in particular why actions are subject to moral standards.

***Philosophy 299hf. Individual Supervision**

Catalog Number: 8076

Thomas M. Scanlon, Jr. and members of the Department

Half course (throughout the year). Hours to be arranged.

Note: Required of candidates for the A.M. or Ph.D. in Philosophy. Consult the Department's Supplement to the General Announcement for details.

Cross-listed Courses



[*Arabic 249r. Arabic Philosophical Texts: Seminar](#)

[Arabic 250r. Arabic Theological Texts: Seminar](#)

[Classics 268. Aristotle and His Predecessors: Physics book I](#)

[*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

Richard G. Heck, Jr. 2993

Half course (fall term). Hours to be arranged.

An intensive study—in small, informal seminars—of selected problems in contemporary philosophy.

Note: Open only to first-year graduate students in the Department.

***Philosophy 300b. Colloquium**

Catalog Number: 6280

Alison Simmons 1300 (on leave 2003-04)

Half course (spring term). Hours to be arranged.

Continuation of Philosophy 300a.

***Philosophy 303. Colloquium: Dissertation Presentations**

Catalog Number: 1089

Christine M. Korsgaard 2994 (on leave 2003-04) and Gisela Striker 2271

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 305. Individual Reading and Research**

Catalog Number: 4462

Melissa Barry 3037, Ned Block (New York University) 4352, Warren Goldfarb 4499 (on leave 2002-03), Richard G. Heck, Jr. 2993, Peter Hylton (University of Illinois at Chicago) 4345, Jeffrey King (University of California, Davis) 4355 (fall term only), Christine M. Korsgaard 2994 (on leave 2003-04), Richard Moran 1786 (on leave 2002-03), Charles D. Parsons 2298, Thomas M. Scanlon, Jr. 7986, Susanna Siegel 2441 (on leave 2002-03), Alison Simmons 1300 (on leave 2003-04), Gisela Striker 2271, Jonathan Vogel (Amherst College) 4418, and Raphael Graham Woolf 2488 (on leave 2002-03)

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 310. Research Seminars**

Catalog Number: 4465

Melissa Barry 3037, Ned Block (New York University) 4352, Warren Goldfarb 4499 (on leave 2002-03), Richard G. Heck, Jr. 2993, Peter Hylton (University of Illinois at Chicago) 4345, Jeffrey King (University of California, Davis) 4355 (fall term only), Christine M. Korsgaard 2994 (on leave 2003-04), Richard Moran 1786 (on leave 2002-03), Charles D. Parsons 2298,



Thomas M. Scanlon, Jr. 7986, Susanna Siegel 2441 (on leave 2002-03), Alison Simmons 1300 (on leave 2003-04), Gisela Striker 2271, Jonathan Vogel (Amherst College) 4418, and Raphael Graham Woolf 2488 (on leave 2002-03)

Half course (fall term; repeated spring term). Hours to be arranged.

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 on Moral and Political Philosophy**

Catalog Number: 5370

Melissa Barry 3037, Christine M. Korsgaard 2994 (on leave 2003-04), and Thomas M. Scanlon, Jr. 7986

Half course (fall term; repeated spring term). Fall: M., 4–6; Spring: Tu., 2–4.

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.

Note: Meets approximately every two weeks throughout the year.

***Philosophy 333. Preparation for the Topical Examination**

Catalog Number: 1967

Melissa Barry 3037, Warren Goldfarb 4499 (on leave 2002-03), Richard G. Heck, Jr. 2993, Christine M. Korsgaard 2994 (on leave 2003-04), Richard Moran 1786 (on leave 2002-03), Charles D. Parsons 2298, Thomas M. Scanlon, Jr. 7986, Susanna Siegel 2441 (on leave 2002-03), Alison Simmons 1300 (on leave 2003-04), Gisela Striker 2271, and Raphael Graham Woolf 2488 (on leave 2002-03)

Half course (fall term; repeated spring term). Hours to be arranged.

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

Melissa Barry 3037, Warren Goldfarb 4499 (on leave 2002-03), Richard G. Heck, Jr. 2993, Christine M. Korsgaard 2994 (on leave 2003-04), Richard Moran 1786 (on leave 2002-03), Charles D. Parsons 2298, Thomas M. Scanlon, Jr. 7986, Susanna Siegel 2441 (on leave 2002-03), Alison Simmons 1300 (on leave 2003-04), Gisela Striker 2271, and Raphael Graham Woolf 2488 (on leave 2002-03)

Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of Physics

Gerald Gabrielse, Professor of Physics (*Chair, Director of Graduate Studies*)
 Nima Arkani-Hamed, Professor of Physics
 Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology
 George W. Brandenburg, Senior Research Fellow in Physics
 Sidney Coleman, Donner Professor of Science (*on leave spring term*)
 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
 Andrew Foland, Assistant Professor of Physics
 Melissa Franklin, Professor of Physics
 Peter L. Galison, Harvard College Professor and the Mallinckrodt Professor of the History of Science and of Physics
 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, Arthur and Ruth W. Sloan Research Professor of Chemistry, Arthur and Ruth W Sloan Research Professor of Chemistry (*on leave fall term*)
 Paul Horowitz, Professor of Physics and of Electrical Engineering
 John Huth, Professor of Physics
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science
 Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
 Mikhail D. Lukin, Assistant Professor of Physics
 Charles M. Marcus, Professor of Physics
 Paul C. Martin, John H. Van Vleck Professor of Pure and Applied Physics
 Eric Mazur, Harvard College Professor, Gordon McKay Professor of Applied Physics and Professor of Physics
 Shiraz Minwalla, Assistant Professor of Physics (*on leave 2002-03*)
 Masahiro Morii, Assistant Professor of Physics (*on leave spring term*)
 David J. Morin, Lecturer on Physics
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics
 David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics
 Peter S. Pershan, Frank B. Baird, Jr. Professor of Science
 Mara Prentiss, Professor of Physics
 Lisa Randall, Professor of Physics (*on leave fall term*)
 Irwin I. Shapiro, Timken University Professor
 Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences
 Andrew Strominger, Professor of Physics (*Director of Graduate Studies*)



Michael Tinkham, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics

Cumrun Vafa, Professor of Physics (*on leave spring term*)

Ronald L. Walsworth, Lecturer on Astronomy

Steven Weinberg, Morris Loeb Visiting Professor of Physics (*University of Texas, Austin*)

David A. Weitz, Gordon McKay Professor of Applied Physics and Professor of Physics

Robert M. Westervelt, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave fall term*)

Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Xiaowei Zhuang, Assistant Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Physics

Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus

The Physics Department offers three separate sequences of introductory courses: Physics 1a and 1b at the introductory calculus level and Physics 11a, 11b or Physics 15a, 15b, 15c at the intermediate calculus background. Students with strong preparation may also enter the 15 sequence by taking Physics 16 instead of Physics 15a. Each of the three sequences is designed to be a self-contained treatment of classical physics.

Students who expect to concentrate in physics or one of the other sciences in which physics plays a major role will usually take the Physics 15 sequence followed by Physics 143a,b. Students with excellent high-school preparation may begin the Physics 15 sequence taking Physics 16 instead of Physics 15a. Physics 16 is a course in mechanics and special relativity specifically designed for students who have done well in a high-school advanced placement course.

Students who do not plan to continue in physics and have sufficient mathematical skills may wish to take the one year Physics 11 sequence. Physics 11a and 11b offer, in two semesters, classical physics at a level comparable to the longer Physics 15 sequence, but covering fewer topics.

Physics 1a and 1b present a self-contained treatment of classical and modern physics in one year, but at a lower mathematical level than the Physics 11 sequence. Physics 1a and 1b are designed to meet the requirements of all medical schools. Most medical schools will also accept the Physics 15 or Physics 11 sequences. Some prefer that more than two half courses in physics be taken. Premedical students should inquire at the medical schools to which they expect to apply.

Students who do not intend to devote more than one year to the study of physics, and especially those not concentrating in a physical science or mathematics, will probably find that Physics 1a and 1b, with their broader range of subject matter, will more appropriately serve their needs than Physics 11a and 11b.

Further details may be found under the individual course headings.

***Primarily for Undergraduates*****Physics 1a. Principles of Physics: Mechanics**

Catalog Number: 7422

*David A. Weitz and Eric Mazur**Half course (fall term). Tu., Th., 8:30–10, plus twice weekly conference sections and six laboratory sessions to be arranged. EXAM GROUP: 10, 11*

An introduction to classical mechanics: kinematics, Newton's laws of motion, conservation laws, oscillations, and thermodynamics as understood from the kinetic theory of particles. Brief applications of these ideas to elasticity and fluids as helpful preparation for the MCAT exams are included.

Note: Not designed as an introductory course for physics concentrators; those students should take Physics 15a or 16. Students who have taken Mathematics 21a or the equivalent and desire a one-year survey course may wish to take Physics 11a and 11b in order to make full use of their mathematical background. Physics 1a may not ordinarily be taken for credit in addition to Physics 11a, 15a, 16, or Science A-15. 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

*Eric Mazur 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 and Andrew Foland**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 and Melissa Franklin

Half course (spring term). Lectures, Tu., Th., 10–11:30, weekly ninety-minute discussion sections, and one three-hour laboratory session every two weeks. EXAM GROUP: 12, 13

Physics 11b is the second half of a one-year physics sequence. It covers the basic phenomena of electricity and magnetism, elements of circuits with selected applications, Maxwell's equations, electromagnetic waves and optics, and a brief introduction to quantum physics 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

Half course (fall term; repeated spring term). Tu., Th., 10–11:30, and a weekly two-hour discussion section. EXAM GROUP: Fall: 12, 13; Spring: 13

Newtonian mechanics and special relativity. Topics include vectors; kinematics in three dimensions; Newton's laws; force, work, power; conservative forces, potential energy; momentum, collisions; rotational motion, angular momentum, torque; static equilibrium, oscillations, simple harmonic motions; gravitation, planetary motion; special relativity.

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

Cumrun Vafa (fall term) and Mara Prentiss (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 (University of California, Berkeley) (fall term) and George Brandenburg (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: Fall: 15, 16; Spring: 15

Forced oscillation and resonance; coupled oscillators and normal modes; Fourier series; Electromagnetic waves, radiation, longitudinal oscillations, sound; traveling waves; signals, wave packets and group velocity; two- and three-dimensional waves; polarization; geometrical and physical optics; interference and diffraction. Optional topics: Water waves, holography, x-ray crystallography. Solitons.

Note: Laboratory: Continuation of “zap” plus additional labs. Laboratories will be under the supervision of Thomas C. Hayes. 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 4 or 5 on the mechanics section of the Physics C Advanced Placement exam, or equivalent. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Thorough knowledge of calculus of one variable and vectors plus some mathematical sophistication. The mathematical level will be significantly higher than that of Physics 15a.

*Physics 90r. Supervised Research

Catalog Number: 2460

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily open to selected concentrators in Physics, or in Chemistry and Physics, who have obtained honor grades in Physics 15 and a number of intermediate-level courses. The student must be accepted by some member of the faculty doing research in the student’s field of interest. The form of the research depends on the student’s interest and experience, the nature of the particular field of physics, and facilities and support available. Students wishing to write a senior thesis can do so by arranging for a sponsor and enrolling in this course. A list of possible



faculty sponsors and their fields is available in Lyman 233 and on the Physics Department Web page. Course enrollment forms may be obtained from Lyman 233.

***Physics 91r. Supervised Reading Course for Undergraduates**

Catalog Number: 1218

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

Isaac F. Silvera

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: Intended mainly for junior and senior concentrators.

Cross-listed Courses

Astronomy 45. Introduction to Astrophysics
Science A-29. The Nature of Light and Matter

For Undergraduates and Graduates

Certain physics courses are offered in several other departments. See especially the offerings of the Division of Engineering and Applied Sciences.

[Physics 121. History and Philosophy of 20th-Century Physics]

Catalog Number: 0160

Peter L. Galison

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to the history and philosophy of physics for students with a strong undergraduate background in science. Topics include relativity, quantum theory, weapons development, and modern ideas about unification.

Note: Expected to be given in 2003–04. May not be taken for credit by students who have taken



History of Science 120.

Prerequisite: An introductory course in college physics, preferably at the level of Physics 15c.

Physics 123. Laboratory Electronics

Catalog Number: 0864 Enrollment: Limited to 22 students per section.

Paul Horowitz and Thomas C. Hayes

Half course (fall term; repeated spring term). Section I, Tu., Th., 1:30-5; Section II, W., F., 1:30-5. Regardless of section choice, all students must attend first course meeting on 9/17 or 1/29 at 1:30 p.m. in Science Center 206. EXAM GROUP: Fall: 15, 16; Spring: 15, 16, 17, 18

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

Mara Prentiss

Half course (fall term). M., W., 2-3:30. EXAM GROUP: 7, 8

Applies elementary physics to real things and practical situations. Emphasis is on developing physical intuition and the ability to do order-of-magnitude calculations. New physical concepts are introduced as necessary. Example topics: the Big Bang, stars, nuclear reactions, and searches for extra-solar planets; aerodynamics, rockets and spacecraft; materials properties; electronic noise, lasers, and the global positioning system; magnetic resonance imaging, physiology of major organs, and health risks; energy use and production; climate and global change.

Note: Physics 143a and 181 are very helpful, but not required.

Prerequisite: Physics 15a,b,c, and mathematics at the level of Mathematics 21a (which may be taken concurrently).

[Physics 140. Introduction to Biophysics]

Catalog Number: 5394

Howard C. Berg and David R. Nelson

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003-04. To be given in alternate years. Lectures, problem sets, discussions. May not be taken for credit by students who have taken MCB 140.

Prerequisite: Mathematics at the level of 21a, Physics 15a/15b or Physics 11a/11b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.



Physics 143a. Quantum Mechanics I

Catalog Number: 1050

Arthur M. Jaffe (fall term) and Gary J. Feldman (spring term)

Half course (fall term; repeated spring term). Fall: M., W., 12–1:30; Spring: Tu., Th., 10–11:30.

EXAM GROUP: Fall: 5, 6; Spring: 12, 13

Introduction to nonrelativistic quantum mechanics: uncertainty relations; Schrödinger equation; Dirac notation; matrix mechanics; one-dimensional problems including particle in box, tunneling, and harmonic oscillator; angular momentum, hydrogen atom, spin, Pauli principle; time-independent perturbation theory; scattering.

Prerequisite: Linear algebra including matrix diagonalization; Physics 15c or written permission of the Head Tutor.

Physics 143b. Quantum Mechanics II

Catalog Number: 0253

Lene V. Hau

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced topics in quantum mechanics: time-dependent problems, many-particle systems of bosons and fermions, supersymmetry, interaction of quantum systems with lasers, quantization of the radiation field, collision theory, measurement theory, and quantum computing.

Prerequisite: Physics 143a.

Physics 145. Elementary Particle Physics

Catalog Number: 6057

John Huth

Half course (spring term). Lecture meets M., W., (F.,) at 10; seminars and sections Tu., Th., 7:30–9 p.m. as needed. EXAM GROUP: 3

Introduction to elementary particle physics. Emphasis is on concepts and phenomenology rather than on a detailed calculational development of theories. Starts with the discovery of the electron in 1897, ends with the theoretical motivation for the Higg's boson, and attempts to cover everything important in between. Taught partly in seminar mode, with each student presenting a classic paper of the field.

Prerequisite: Physics 143a. Physics 143b or equivalent is useful.

Physics 151. Mechanics

Catalog Number: 2068

Masahiro Morii

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Fundamental ideas of classical mechanics including contact with modern work and applications. Topics include Lagrange's equations; action principles, Hamilton's equations; symmetry and conservation laws, Hamilton-Jacobi theory and phase space dynamics. Applications to celestial mechanics, quantum mechanics, rigid body motion, the theory of small oscillations and classical fields, and nonlinear oscillations, including chaotic systems will be presented.

Note: May not be taken for credit in addition to Engineering Sciences 125.

Prerequisite: Physics 15a,b or written permission of the Head Tutor; Mathematics 21a,b or equivalent.

**Physics 153. Electrodynamics**

Catalog Number: 0264

*Efthimios Kaxiras**Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*

Aimed at advanced undergraduates. Emphasis on the properties and sources of the field vectors and on the wave aspect of the electromagnetic fields. Course starts with electrostatics and subsequently develops the Maxwell equations. Topics: electrostatics, dielectrics, magnetostatics, electrodynamics, wave propagation in various media, reflection and refraction, radiation, antennas and interference. In addition, a number of applications of electrodynamics in ‘modern physics’ are discussed.

Prerequisite: Physics 15 a,b, and c, or written permission of the Head Tutor; Mathematics 21a,b or equivalent.

Physics 165. Modern Atomic, Molecular, and Optical Physics

Catalog Number: 0348

*John M. Doyle**Half course (spring term). M., W., 12-1:30. EXAM GROUP: 5, 6*

Modern atomic, molecular, and optical physics includes the use of coherent electromagnetic radiation to probe and control atomic systems, use of traps to isolate atoms, molecules, and elementary particles for studies of ultracold quantum degenerate matter and precision tests of the standard model; resonance methods. Goals of this course include acquainting students with these and other modern research topics while providing the foundations of modern atomic, molecular and optical physics research.

Prerequisite: Physics 143a and 143b.

Physics 181. Statistical Mechanics and Thermodynamics

Catalog Number: 6346

*Bertrand I. Halperin**Half course (spring term). M., W., F., at 11. EXAM GROUP: 4*

Introduction to thermal physics: basic concepts of thermodynamics (energy, heat, work, temperature, entropy), classical and quantum ensembles and their origins, and distribution functions. Applications include Debye’s theory of solids, Planck’s theory of black body radiation, classical and quantum gases, magnetism and phase transitions.

Note: May not be taken for credit in addition to Engineering Sciences 181.

Prerequisite: Physics 143a or equivalent.

Physics 191r. Advanced Laboratory

Catalog Number: 7711 Enrollment: Together with Physics 247r, limited to a total of 24 students.

Peter S. Pershan, Jene A. Golovchenko (spring term), Mikhail D. Lukin (spring term), Isaac F. Silvera (spring term), and Ronald L. Walsworth (fall 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

Michael Tinkham

Half course (fall term). Hours to be arranged.

Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, superconductivity.

Note: Expected to be given in 2003–04. 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**](#)

[**\[Applied Physics 217. Photons and Atoms\]**](#)

[**Astronomy 145. Topics in Astrophysics**](#)

[**Astronomy 150. Radiative Processes in Astrophysics**](#)

[**Astronomy 191. Astrophysics Laboratory**](#)

[**\[Astronomy 192. Tools and Techniques of Astronomical Measurements\]**](#)

[**Chemistry 160. Physical Chemistry**](#)

[**Chemistry 161. Statistical Thermodynamics**](#)

[**Chemistry 163. Frontiers in Molecular Biophysics**](#)

[**Engineering Sciences 120. Introduction to the Mechanics of Solids**](#)

[**Engineering Sciences 123. Introduction to Fluid Mechanics**](#)

[**Engineering Sciences 154. Electronic Devices and Circuits**](#)

[**Engineering Sciences 181. Thermodynamics**](#)

[**Engineering Sciences 190. Introduction to Materials Science**](#)

Primarily for Graduates

The courses primarily for graduates are open to undergraduates provided they have passed the prerequisites with a grade of C or higher; in each case, special permission by the instructor is needed. In cases where students do not have the listed prerequisites, the written approval of the Head Tutor is required.

[**Physics 210. General Theory of Relativity**](#)



Catalog Number: 4840

Andrew Strominger

Half course (fall term). W., F., 1–2:30. EXAM GROUP: 6, 7

An introduction to general relativity: Riemannian geometry; the Principle of Equivalence; Einstein's field equations; 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). W., F., 1–2:30. EXAM GROUP: 6, 7

The focus will be 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: 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 (formerly Electromagnetism I). 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 2003–04.

Prerequisite: Physics 232a or equivalent, and Physics 143b or Physics 251a.

[Physics 245. Relativistic Quantum Mechanics with Applications]

Catalog Number: 3551

John Huth

Half course (fall term). 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 2003–04.

Prerequisite: Two semesters of quantum mechanics, e.g., Physics 143a,b or equivalent.

Physics 247r. Laboratory Course in Contemporary Physics

Catalog Number: 8665 Enrollment: Together with Physics 191r, limited to a total of 24 students.

Peter S. Pershan, Jene A. Golovchenko (spring term), Mikhail D. Lukin (spring term), Isaac F. Silvera (spring term), and Ronald L. Walsworth (fall term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16

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

Charles M. Marcus

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

Charles M. Marcus

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Time-dependent perturbations; quantized radiation field; absorption and emission of radiation; identical particles and second quantization; symmetry groups.

Prerequisite: Physics 251a.



Physics 253a. Quantum Field Theory

Catalog Number: 8050

Sidney Coleman

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to relativistic quantum mechanics and quantum field theory. Canonical quantization, scalar and spinor fields, scattering theory, Feynman diagrams, renormalization.

Prerequisite: Physics 251a,b or equivalents.

Physics 253b. Quantum Field Theory

Catalog Number: 5250

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 262. Statistical Physics

Catalog Number: 1157

David R. Nelson

Half course (fall term). M., W., F., 11. EXAM GROUP: 4

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; fluctuations about equilibrium, Langevin equations and Fokker-Planck descriptions of time-dependent phenomena. Time permitting, a brief introduction to various aspects of statistical biophysics will be given.

Note: It is suggested that students may wish to take Applied Physics 284 when this course is bracketed.

Prerequisite: Ordinarily, Physics 143a,b and Physics 181 or Engineering Sciences 181.

Physics 264. Group Theory with Application to Particle Physics

Catalog Number: 5317

Arthur M. Jaffe

Half course (spring term). M., W., F., at 11. First course meeting is 1/31. EXAM GROUP: 4

This course will focus on the role of symmetry in quantum theory. It will include an introduction to Lie group symmetry with examples; it will explore relations between relativistic symmetry and Euclidean symmetry; particle physics will be linked with statistical physics

Prerequisite: Physics 143a and 143b or equivalent.

[Physics 265 (formerly Physics 265r). Photons and Atoms]

Catalog Number: 4203

Lene V. Hau

Half course (spring term). Hours to be arranged.

Coherent and squeezed light, Casimir force, cooling and trapping of neutral atoms and charged particles, atomic fountains, atomic clocks, atom interferometry, electromagnetically-induced transparency, Slow Light, Bose-Einstein condensation including necessary statistical mechanics



and many-body theory.

Note: Expected to be given in 2003–04. Students may wish to take Applied Physics 217, whose content is very similar, when this course is bracketed.

Prerequisite: Graduate level course in electromagnetism/electrodynamics (Physics 232a for example) and one semester of intermediate or advanced quantum mechanics (Physics 251b for example). AP216 recommended.

Physics 268r. Statistical Mechanics of Soft Matter and Biophysics

Catalog Number: 7951

David R. Nelson

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to strongly interacting soft condensed matter and biophysical systems will be given. We hope to discuss topics such as the renormalization group theory of critical phenomena, defect mediated phase transitions, nonlinear dynamics, the theory of RNA folding and the statistical mechanics of DNA sequence matching.

Note: Expected to be omitted in 2003–04.

Prerequisite: Physics 262 or equivalent.

[Physics 270. Experiments and Ideas in Mesoscopic Physics]

Catalog Number: 0788

Charles M. Marcus

Half course (spring term). Hours to be arranged.

This special topics course introduces the subject of mesoscopic quantum effects in small electronicsystems, including conductance fluctuations, localization, electron interference, and persistence currents in metals and semiconductors. More or less attention will be given to specialized topics such as hybrid superconducting systems, magnetic and Kondo systems, clean (ballistic) systems, dynamical effects, and the high magnetic field regime, depending on the interests of participants. The reading list will focus primarily on the experimental literature, augmented by recent texts and reviews. The format of the course will be a combination of lectures and journal-club-style presentations.

Note: Expected to be given in 2003–04.

Prerequisite: Basic familiarity with quantum mechanics and solid state physics at the level of undergraduate courses.

Physics 283r (formerly Physics 283). The Standard Model

Catalog Number: 3620

Lisa Randall

Half course (spring term). W., F., 2:30–4. EXAM GROUP: 7, 8

Theory and phenomenology of the Standard Model of particle physics and its extensions. Focus will be on the $SU(2) \times U(1) \times SU(3)$ gauge theory of the electroweak and strong interactions and underlying physics that can generate the electroweak symmetry breaking scale. Topics might include effective field theories, supersymmetry, and theories of physics with extra dimensions.

Prerequisite: Physics 253a,b or equivalent.

[Physics 285. Quantum Optics]

Catalog Number: 3264



Mikhail D. Lukin

Half course (fall term). Hours to be arranged.

Introduction to quantum optics. Dissipation in quantum systems. Semiclassical and quantum theories of interactions between light and matter. Nonlinear optics and spectroscopy. Quantum phenomena in nonlinear systems. Basic ideas of atom cooling and quantum information.

Note: Expected to be given in 2003–04.

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). M., W., 12–1:30. EXAM GROUP: 5, 6

Introduction to physics of quantum information, with emphasis on ideas and experiments ranging from quantum optics to condensed matter physics. Background and theoretical tools will be introduced. The format will be a combination of lectures and class presentations.

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). Hours to be arranged.

Introduction to the perturbative formulation of string theories and eleven-dimensional supergravity. Basic examples of compactifications and solitonic solutions and their role in strong-weak coupling dualities in string theory.

Note: Expected to be given in 2003–04.

Prerequisite: Physics 253a,b or equivalent.

[Physics 287br. Topics in String Theory]

Catalog Number: 4555

Shiraz Minwalla

Half course (spring term). Hours to be arranged.

A selection of topics from current areas of research on string theory.

Note: Expected to be given in 2003–04.

Prerequisite: Physics 287a.

Cross-listed Courses

Applied Mathematics 201. Physical Mathematics I

Applied Mathematics 202. Physical Mathematics II

[Applied Mathematics 203. Topics in Applied Mathematics]

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. Interdisciplinary Chemistry, Engineering and Physics: Seminar](#)

[\[*Astronomy 204. Galactic and Extragalactic Dynamics\]](#)

[Astronomy 206. Stellar Physics](#)

[Astronomy 208. The Physics of the Interstellar Medium](#)

[MCB 212. Topics in Biophysics](#)

Graduate Courses of Reading and Research

Odd numbers designate courses of preliminary reading or experimental research. Even numbers designate thesis research and are to be used only when an instructor has agreed to supervise a student's research for the doctorate. Reading and Research courses largely concerned with physics are offered under the sponsorship of several other departments, particularly Astronomy, Chemistry, and Earth and Planetary Sciences; and of the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Science, and Engineering Sciences).

***Physics 301,302. Experimental Atomic and Elementary Particle Physics**

Catalog Number: 1735,1736

Gerald Gabrielse 1768

***Physics 305,306. Experimental High Energy Physics**

Catalog Number: 7929,0855

John Huth 3506

***Physics 307,308. Experimental Atomic Physics, Bose-Einstein Condensation, & Quantum Optics**

Catalog Number: 7534,3277

Lene V. Hau 2151

***Physics 309,310. Topics in Elementary Particle Theory**

Catalog Number: 4556,4561

Cumrun Vafa 2069 (on leave spring term)

***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 (on leave fall term)

***Physics 319,320. Topics in Experimental High Energy Physics**

Catalog Number: 4520,4521

Melissa Franklin 2500



***Physics 321,322. Experimental Soft Condensed Matter Physics**

Catalog Number: 9963,7098

David A. Weitz 2497

***Physics 323,324. Nanostructures and Mesoscopic Physics**

Catalog Number: 3629,9079

Charles M. Marcus 2890

***Physics 327,328. Topics in Condensed Matter Physics**

Catalog Number: 5969,6524

David R. Nelson 5066

***Physics 329,330. Solid State and Statistical Theory**

Catalog Number: 6198,6373

Bertrand I. Halperin 4755

***Physics 331,332. Topics in Experimental High Energy Physics**

Catalog Number: 2727,2820

Andrew Foland 3335

***Physics 333,334. Experimental Atomic Physics**

Catalog Number: 2902,2904

Mara Prentiss 2741

***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 (on leave spring term)

***Physics 341,342. Topics in Elementary Particles**

Catalog Number: 1990,6602

Sidney Coleman 2111 (on leave spring term)

***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 (on leave 2002-03)

***Physics 353,354. Topics in Statistical Physics**

Catalog Number: 3721,5287

Paul C. Martin 2103

***Physics 355,356. Theory of Elementary Particles**

Catalog Number: 1213,7654

Roy J. Glauber 2113

***Physics 357,358. Experimental Condensed Matter Physics**

Catalog Number: 4430,5227

Robert M. Westervelt 6148 (on leave fall term)

***Physics 359,360. Topics in Condensed Matter Physics**

Catalog Number: 8238,7560

Eugene A. Demler 3847

***Physics 361,362. Topics in Condensed Matter and Statistical Physics**

Catalog Number: 3750,4793

Daniel S. Fisher 2600

***Physics 363,364. Topics in Condensed Matter Theory**

Catalog Number: 2957,2958

Efthimios Kaxiras 3050

***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

***Physics 369,370. Experimental Condensed Matter: Synchrotron Radiation Studies**

Catalog Number: 1538,1539

Peter S. Pershan 1105

***Physics 371,372. Topics in Experimental High Energy Physics**

Catalog Number: 2519,6461

Gary J. Feldman 2599



***Physics 373,374. Topics in the History and Philosophy of Modern Physics**

Catalog Number: 6140,6143

Peter L. Galison 3239

***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

***Physics 385,386. Topics in Biophysics**

Catalog Number: 5901,5902

Howard C. Berg 1377

***Physics 387,388. Topics in Quantum Optics and Molecular Physics**

Catalog Number: 5772,5774

Eric Mazur 7952

***Physics 389,390. Topics in Field Theory: The Standard Model and Beyond**

Catalog Number: 4393,2571

Lisa Randall 4255 (on leave fall term)

***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

Robert H. Bates, Eaton Professor of the Science of Government (*Chair*)
Scott Ashworth, Assistant Professor of Government
Christopher N. Avery, Professor of Public Policy (*Kennedy School*)
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*)
David M. Cutler, Professor of Economics
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*)
Michael J. Hiscox, John L. Loeb Associate Professor of the Social Sciences (*on leave 2002-03*)
William W. Hogan, Lucius N. Littauer Professor of Public Policy and Administration (*Kennedy School*) (*ex officio*)
Caroline M. Hoxby, Professor of Economics (*on leave 2002-03*)
Torben Iversen, Professor of Government
Joseph P. Kalt, Ford Foundation Professor of Political Economy (*Kennedy School*)
Andrew Harriman Kydd, Assistant Professor of Government
David I. Laibson, Professor of Economics (*on leave fall term*)
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*ex officio*)
Lisa L. Martin, Clarence Dillon Professor of International Affairs
Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy, Director of the Asia Center
Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
Kenneth A. Shepsle, George D. Markham Professor of Government (*on leave spring term*)
Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
Richard Tuck, 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, John and Ruth Hazel Associate Professor of the Social Sciences
 Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (FAS) and Carol K. Pforzheimer Professor (*Radcliffe Institute*) (*on leave 2002-03*)
 Mark G. Baxter, Assistant Professor of Psychology
 Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology
 Susan E. Carey, Professor of Psychology
 Shelley H. Carson, Lecturer on Psychology
 Patrick Cavanagh, Professor of Psychology
 Christopher F. Chabris, Lecturer in Psychology (*fall term only*)
 Patricia Deldin, Associate Professor of Psychology (*on leave spring term*)
 Erin Driver-Linn, Lecturer on Psychology
 Nicholas Epley, Assistant Professor of Psychology
 L. Dodge Fernald, Lecturer on Psychology



Ellsworth Lapham Fersch, Lecturer on Psychology, Temporary in Continuing Ed, DCE
Instructor

Daniel T. Gilbert, Professor of Psychology (*on leave 2002-03*)

J. Richard Hackman, Cahners-Rabb Professor of Social and Organizational Psychology

Marc D. Hauser, Harvard College Professor and Professor of Psychology

Jill M. Hooley, Professor of Psychology (*on leave 2002-03*)

Pamela Kohl Keel, Associate Professor of Psychology

Stephen M. Kosslyn, John Lindsley Professor of Psychology (*Head Tutor*)

Ellen J. Langer, Professor of Psychology

Brian R. Little, Lecturer on Psychology

Richard J. McNally, Professor of Psychology

Ken Nakayama, Edgar Pierce Professor of Psychology

Diego Pizzagalli, Assistant Professor of Psychology

Joshua Stephen Rodefer, Lecturer on Psychology

Michael Robert Rodriguez, Allston Burr Senior Tutor in Adams House, Lecturer on Psychology

Jesse Snedeker, Assistant Professor of Psychology

Nancy Claire Snidman, Lecturer on Psychology

Gregg E. A. Solomon, Lecturer on Psychology

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*)

Howard E. Gardner, Professor of Education (*Education*)

Anne Harrington, Professor of the History of Science

Gene M. Heyman, Lecturer in Psychiatry (*Medical School*)

Jerome Kagan, Daniel and Amy Starch Research Professor of Psychology

Dara S. Manoach, Assistant Professor of Neurology (*Medical School*)

William P. Milberg, Associate Professor of Psychiatry in the Department of Psychiatry (*Medical School*)

Margaret G. O'Connor, Assistant Professor of Neurology (*Medical School*)

Donald B. Rubin, John L. Loeb Professor of Statistics

Robert A. Stickgold, Assistant Professor of Psychiatry (*Medical School*)

Alan Abraham Stone, Professor of Law and Psychiatry (*Law School and Medical School*)

Mark Tramo, Assistant Professor of Neurology (*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

Gregg E. A. Solomon (fall term) and Jeremy M. Wolfe (Harvard Medical School) (spring term)
Half course (fall term; repeated spring term). M., W., 2–3:30 and a one-hour section to be arranged. EXAM GROUP: 7, 8

Surveys the scientific study of human psychology. Introduces students to topics such as perception, consciousness, development, cognition, emotion, motivation, psychopathology, decision making, and social behavior.

Psychology 13. Cognitive Psychology

Catalog Number: 8706

Christopher F. Chabris

Half course (fall term). Tu., Th., 11:30–1, and a one-hour section to be arranged. EXAM GROUP: 13, 14

An introduction to the study of human cognition. Topics include perception, attention, memory, categorization, language, expertise, reasoning, decision-making, and consciousness. We will consider biological mechanisms underlying these processes and their effects on everyday behavior.

Prerequisite: Psychology 1 or permission of the instructor.

Psychology 15. Social Psychology

Catalog Number: 4760

Nicholas Epley (spring term) and Ellen J. Langer (fall term)

Half course (fall term; repeated spring term). Spring: Tu., Th., 10–11:30. EXAM GROUP: Spring: 12, 13

An introduction to research and theory in social psychology meant to improve people's understanding of themselves, others, and the social world around them. Topics include: mindfulness; social influence, attitude change, and persuasion; 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. Human Development

Catalog Number: 1483

Jesse Snedeker

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduces theory, empirical research, and applied issues in developmental psychology. Focuses on cognitive/linguistic, social and emotional aspects of development across the life course, with emphasis on infancy and childhood. Includes child observation and testing.

Psychology 18. Abnormal Psychology

Catalog Number: 8560

Pamela Kohl Keel

Half course (fall term). Tu., Th., 2:30–4 and a one-hour section to be arranged. EXAM GROUP: 16, 17

Introduction to the study of psychopathology. Focus will be on theoretical models of abnormal



behavior as they relate to the definition, etiology, and treatment of mental disorders. Diagnostic classification, behavioral, and biological features of the major syndromes of psychopathology will be emphasized.

Prerequisite: An introductory course in psychology.

***Psychology 910r. Supervised Research**

Catalog Number: 1472

Stephen M. Kosslyn and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent empirical research (laboratory or field) conducted under the supervision of a departmental faculty member.

Note: Research report or equivalent paper required. Admission to course via application (available in Psychology Undergraduate Office). Can be taken no more than three times for College credit, no more than twice for non-honors concentration credit, and only once for honors concentration credit.

***Psychology 970. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 8008

Stephen M. Kosslyn and members of the Department

Full course. Hours to be arranged.

Examines selected issues and phenomena addressed in contemporary psychological research. Special attention to examining topics from a variety of perspectives, to reading primary sources in the field, and to developing thinking, writing, research, and discussion skills.

Note: This tutorial, or Psychology 971, is required of concentrators upon entering the concentration, normally in the sophomore year. Sophomore Essay required. Letter-graded.

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.

Note: This tutorial is designed for students who enter the concentration after the first semester of the sophomore year. For assignment to a section, speak to the Undergraduate Program Administrator before Study Cards are due. Sophomore Essay required. Letter-graded. Students who take this course instead of Psychology 970 must take an additional concentration elective to fulfill the full-year tutorial requirement.

Prerequisite: Psychology 1 or concurrent enrollment.

***Psychology 980b. Evolutionary Psychology**

Catalog Number: 2577 Enrollment: Limited to 15. Preference to juniors in Mind/Brain/Behavior tracks.

Stephen M. Kosslyn and members of the Department

Half course (fall term). Th., 2:30–4:30. EXAM GROUP: 16, 17



Examines the design of the human mind from an evolutionary perspective. Through weekly discussion, students will be encouraged to critically evaluate the evolutionary psychology approach drawing in evidence from cognitive psychology, cognitive development, comparative psychology, and the neurosciences. The course will examine a number of key questions in the study of the evolution of the mind including: theory of mind and social cognition, deception and cheating detection, mate choice and human sexuality, and intuitive physics.

Prerequisite: Science B-29.

[*Psychology 980c. Neural Networks]

Catalog Number: 6722

Ken Nakayama and members of the Department.

Half course (spring term). Hours to be arranged.

Review of neural network theory and computational neuroscience, with emphasis on realistic models of hippocampal memory and processing. Includes survey of connectionist and computational neuroscience models of hippocampal and cortical processing. Associative memory function, place cells, oscillatory processes and self-organization are some of the topics that will be covered.

Note: Expected to be given in 2003–04.

[Psychology 980d. The Interface Between Social Psychology and Cognitive Neuroscience]

Catalog Number: 6562

Stephen M. Kosslyn and members of the Department

Half course (fall term). Hours to be arranged.

Examines the emerging application of cognitive neuroscience approaches to the study of social and emotional phenomena. Through weekly discussion, the course will examine how cognitive neuroscience methods can (and cannot) inform questions about emotions, the self, racial prejudice, morality, conscious will, and the ‘specialness’ of social thought. We will consider a broad range of neuroscience methods including: individuals with brain damage, functional neuroimaging (fMRI and PET), transcranial magnetic stimulation, EEG, and animal studies.

Note: Expected to be given in 2003–04.

Prerequisite: Psychology 13, Cognitive Psychology or Psychology 15, Social Psychology.

***Psychology 980e. Sex, Gender, and the Body**

Catalog Number: 2833

Stephen M. Kosslyn and members of the Department

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course will draw on cross-cultural, evolutionary, psychological, and feminist literature to explore body image and its relation to gender. We will take a developmental approach to evaluate topics such as gender identification, the experience of puberty, sexuality, and psychopathology (e.g. eating disorders, sexual disorders). This course will attend to the effects of gender on body image for both males and females.

***Psychology 980f. Gender, Race, and Identity**

Catalog Number: 9194 Enrollment: Limited enrollment.

Stephen M. Kosslyn and members of the Department

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8



How do conceptions of gender and race impact our lives? In this course 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 will develop a greater understanding of how gender and race intersect to affect identity, individual and collective choices, and ultimately our society.

***Psychology 980g. Neuroethology**

Catalog Number: 9761

Stephen M. Kosslyn and members of the Department

Half course (spring term). Th., 2:30–4:30. EXAM GROUP: 16, 17

This course will explore how neural and behavioral systems evolved in response to species-specific ecological pressures. Readings and discussions will reflect the multi-disciplinary nature of this field. Each behavioral system will be explored from the perspective of evolutionary biology, ethology, perception and neurobiology.

Prerequisite: Science B-29 or Biological Sciences 80 (or equivalent), and an advanced methods course or concurrent enrollment with permission of instructor.

***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). Hours to be arranged, plus occasional required group meetings M. 4-5.

Supervised reading and research normally resulting in an honors thesis prospectus. Supplemental group meetings to discuss topic and adviser selection, methodology, prospectus writing, and the prospectus meeting.

Note: Normally limited to junior psychology concentrators. Admission to course via application (available in Psychology Undergraduate Office). Graded SAT/UNS. Full prospectus or term paper required.

Psychology 987. Junior Tutorials: Mind/Brain/Behavior

Interdisciplinary seminars that address current research topics in mind/brain/behavior from a variety of perspectives. Enrollment preference given to juniors in Mind/Brain/Behavior tracks.

***Psychology 987a. The Interface Between Cognitive Neuroscience and Neuropsychology: What Patients Teach Us About Theories of the Mind**

Catalog Number: 1424 Enrollment: Preference to juniors in Mind/Brain/Behavior tracks.

Dara S. Manoach (Medical School) and Margaret G. O'Connor (Medical School)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Evaluates cognitive neuroscience models of brain function using a neuropsychological approach. A number of developmental, neurological and psychiatric syndromes will be discussed. Case studies will be presented and the relevant research will be reviewed and used to challenge current theories. We will also review a variety of assessment techniques including neuropsychological evaluation and neuroimaging. Students will take turns presenting relevant literature.



***Psychology 987b. Music, Mind, and Brain**

Catalog Number: 7107

Mark Tramo (Medical School)

Half course (spring term). W., 6:30–9:30 p.m.

This course takes a multidisciplinary approach to understanding neural systems that govern music perception and cognition. Students are expected to 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.

Note: Preference to juniors in Mind/Brain/Behavior tracks.

***Psychology 987c. Multidisciplinary Perspectives on Drug Policy**

Catalog Number: 1082

Ken Nakayama

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Applies the perspectives of law, molecular psychiatry, psychology, epidemiology, and sociology to the problems of substance abuse, with a special focus on cocaine and other illegal drugs. Considers fundamental public policy choices 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: Preference to juniors in Mind/Brain/Behavior tracks.

***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

The course focuses on waking, sleeping, and dreaming as examples of conscious states in both humans and animals. Original papers and books by Allan Hobson (*The Dreaming Brain*) and Antonio Damasio (*The Feeling of What Happens*) form the background for discussions of waking, sleeping, and dreaming from the perspectives of neurology, physiology, psychology, and cognitive neurosciences. We discuss various approaches to understanding the functions of sleep and wake (consciousness) and review several theories on the topic.

Note: Preference to juniors in Mind/Brain/Behavior tracks.

***Psychology 987g. Theories of Violence**

Catalog Number: 7611 Enrollment: Limited to 20.

Alan Abraham Stone (Law School and Medical School)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Considers clinical examples of violent individuals (videotape interviews of a multiple murderer and violent sexual predator) and group violence (federal law enforcement's assault on the Branch Davidians in Waco, Texas). Then examines various theories of brain, mind, and behavior which attempt to explain violence.

Note: Preference to juniors in Mind/Brain/Behavior tracks.



***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.” The seminar will discuss research on: (1) behavioral characteristics of addiction, (2) drug-induced brain changes, (3) learning-induced brain changes, (4) the psychology of choice, (5) obsessive compulsive disorder and its neural substrates, and (6) the distinction between voluntary and involuntary behavior. Readings will be selected primarily from journal articles.

Note: Preference to juniors in Mind/Brain/Behavior tracks.

***Psychology 987i. The Science of Happiness**

Catalog Number: 4100

Ken Nakayama 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. We’ll question whether pleasure and happiness are our purpose.

Note: Preference to juniors in Mind/Brain/Behavior tracks.

[*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, this seminar will explore how historical tools can help explore and draw lessons from the close connections between mind, brain, behavior, and the ethics of the ends of medicine, particularly at the end of life.

Note: Expected to be given in 2003–04. Preference to juniors in Mind/Brain/Behavior tracks.

Senior Tutorial

***Psychology 990. Senior Tutorial: Honors Thesis in Psychology**

Catalog Number: 3553

Stephen M. Kosslyn and members of the Department

Full course. Hours to be arranged, plus occasional, optional but highly recommended group meetings M., 4–6.

Individual supervised thesis research supplemented with group meetings to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research).

Note: Required of and limited to honors senior psychology concentrators. Graded SAT/UNS. Prospectus meeting required for fall term credit, as well as a paper for students who divide



course at mid-year. Submission of thesis required for full year credit.

Prerequisite: Advanced methods course.

***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain/Behavior)**

Catalog Number: 4990

Ken Nakayama and members of the Department

Full course. Hours to be arranged, plus occasional, optional but highly recommended group meetings, M. 4-6.

Supervised research leading to the submission of the senior honors thesis. Individual work with thesis adviser is supplemented by participation in Mind/Brain/Behavior Interdisciplinary Research Workshop.

Note: Required of and limited to seniors in the MBB Track. Track seniors will take this course in lieu of Psychology 990, although they are strongly encouraged to attend group meetings of Psychology 990. Graded SAT/UNS. Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Prerequisite: An advanced methods course.

***Psychology 995. Senior Seminar: General Psychology**

Catalog Number: 5201 Enrollment: Limited to 12.

L. Dodge Fernald and Erin Driver-Linn (spring term)

Half course (fall term; repeated spring term). Fall: M., 2-4 (Fernald); Spring: M., 2-4 (Fernald), or Th., 1-3 (Driver-Linn). EXAM GROUP: Fall: 15, 16; Spring: 7, 8, 15, 16

A capstone course aimed at an integrated review of the field through seminar discussions, oral reports, field experience, practitioner interviews, and independent research projects. Focus is upon the perspectives and prescriptions in contemporary psychology.

Note: Designed for senior concentrators not engaged in an honors thesis.

Cross-listed Courses

Biological Sciences 80 (formerly Biological Sciences 25). Behavioral Neuroscience

***Freshman Seminar 21k. Art and the Brain**

Science B-29. Evolution of Human Nature

Science B-44. Vision and Brain

Science B-60. Origins of Knowledge

Statistics 100. Introduction to Quantitative Methods

Statistics 101. Introduction to Quantitative Methods

Statistics 102. Fundamentals of Biostatistics

Statistics 104. Introduction to Quantitative Methods

For Undergraduates and Graduates

***Psychology 1152r. Animal Cognition: Laboratory**

Catalog Number: 1805 Enrollment: Limited to 12. Preference given to Psychology undergraduates and students in the Mind/Brain/Behavior program.

Marc D. Hauser



Half course (fall term; repeated spring term). Hours to be arranged.

An introduction to issues, laboratory techniques, and field methodology in animal cognition. Students develop and pilot research projects. Empirical research is accompanied by a critical reading and discussion of papers on such topics as language evolution, concept acquisition, acoustic perception, and domain-specific knowledge.

Prerequisite: Science B-29 or Biology 22 or permission of instructor.

***Psychology 1204. Hormones and Behavior**

Catalog Number: 8195

Joshua Stephen Rodefer

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course examines how hormones act in the nervous system and how they influence specific behaviors, as well as how behavior and experiences alter hormonal function. We will focus on the animal and human literature concerning sexual differentiation, reproduction, parental behaviors, aggression, mood, stress, eating and drinking, learning and memory, and psychopathology.

Prerequisite: PSY 1 and BS 25 or BS 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 (fall term). W., 2–4. EXAM GROUP: 7, 8

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: Graduate students encouraged to enroll.

Prerequisite: Psychology 1 and Biological Sciences 80.

***Psychology 1254. Neuropsychology of Aging and Dementia**

Catalog Number: 9109 Enrollment: Limited to 20.

Mark G. Baxter

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

Prerequisite: Psychology 1 and Biological Sciences 80.

Psychology 1304. Cognitive Neuropsychology

Catalog Number: 2419

Alfonso Caramazza

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

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.



***Psychology 1350 (formerly *Psychology 2350). Memory and Amnesia: Seminar**

Catalog Number: 6014

Daniel L. Schacter

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines memory and amnesia from cognitive, neuropsychological, evolutionary, and psychobiological perspectives. Focuses on the idea that memory problems can be divided into seven fundamental types: transience, absent-mindedness, blocking, misattribution, suggestibility, bias, and persistence.

***Psychology 1355. Behavioral Genetics**

Catalog Number: 6652 Enrollment: Limited to 35.

Joshua Stephen Rodefer

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course provides a broad overview of the application of genetic methods to study human and animal behaviors. Emphasis is placed upon the use of methodology and design to address psychologically relevant questions concerning the etiology and nature of individual differences in various behaviors (e.g., intelligence, personality, psychiatric disorders).

Prerequisite: Psychology 1 and BS 25 or BS 80 or consent of instructor.

[*Psychology 1358. Cognitive Neuroscience of Emotion]

Catalog Number: 4087 Enrollment: Limited to 20.

Mark G. Baxter

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. Preference to juniors in Mind/Brain/Behavior tracks.

Graduate students welcome to enroll.

Prerequisite: Biological Sciences 80.

***Psychology 1450. Interpersonal Perception**

Catalog Number: 6921 Enrollment: Limited to 15.

Ken Nakayama and Nalini Ambady

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

We explore the degree to which perception of other individuals is consistent, veridical and functional. We concentrate on major routes of information, including face, voice, and body in an attempt to understand the physical and biological basis of social-perceptual competence. We will also look at individual differences, including disorders of social perception.

Psychology 1501. Social Psychology of Organizations

Catalog Number: 0823 Enrollment: Limited to 45.

J. Richard Hackman

Half course (fall term). Tu., Th., 8:30–10, and a ninety minute section meeting to be arranged.

EXAM GROUP: 10, 11

Surveys interpersonal and group processes in organizational settings. Includes how groups and organizations affect individual members and vice versa; interpersonal and group processes; work



team behavior and performance; power dynamics in organizations; intergroup relations; the leadership of groups and organizations. Group project required.

Prerequisite: Psychology 1 and Statistics 100, 101, 102, 104, or the equivalent.

Psychology 1502. Applied Social Psychology

Catalog Number: 4239 Enrollment: Open to students without prior background in psychology.

Philip Stone

Half course (spring term). Tu., Th., at 10 and a one-hour section to be arranged. EXAM GROUP: 12

Examines importance of individual identity, self-esteem, personal strengths and signature themes, levels of engagement, performance standards, reward systems, and organizational cultures in shaping effective job matches and project-team participation. Includes case studies and videos.

***Psychology 1503. Psychology and Law**

Catalog Number: 3707

Ellsworth Lapham Fersch

Half course (fall term). M., W., 1–2:30 and a one-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

Will investigate the psychological processes that guide human judgment in everyday life. Topics will include heuristics and biases in social judgment, causal attribution, prediction and recollection, and metacognition.

Prerequisite: Psychology 1 and Psychology 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; repeated spring term). Hours to be arranged.

Laboratory course in interpersonal influence and communication. Students will conduct independent research under the supervision of the instructor.

Note: Undergraduates and graduate students interested in examining communication, interpersonal influence, social identity, and culture and emotion are encouraged to enroll.

***Psychology 1563. Psychological Themes in Text: Seminar**

Catalog Number: 9275 Enrollment: Limited to 15.

Philip Stone

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Our focus this year will be the integration of thought and action in texts. We hypothesize that thought generally proves more useful when informed by action and that action is better specified when informed by reflective thought. After developing suitable content-analysis measures, we will enlist them in comparing “thought-action gaps” across organizations as well as political speeches, editorial texts and perhaps even song lyrics before and after Sept. 11th.

Note: 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). W., 2–4. EXAM GROUP: 7, 8

Builds upon an American Psychological Association initiative to foster psychological research with applications for developing flourishing, fulfilling lives as well as thriving families and communities. Student projects will each study a domain of psychology for its potential contributions to a well-grounded, valid positive psychology.

***Psychology 1565. Conscious Will**

Catalog Number: 4113 Enrollment: Limited to 20. Preference given to undergraduate concentrators.

Daniel M. Wegner

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

What causes the feeling that we cause our actions? Examines questions of free will vs. determinism and mind vs. body by probing anomalies of will?from phantom limbs, Ouija boards, and dowsing rods to hypnosis, dissociative identity disorder, and spirit possession.

Prerequisite: Either Psychology 1, or Psychology 15.

***Psychology 1569. Psychosocial Aspects of HIV/AIDS**

Catalog Number: 6546 Enrollment: Limited to 15.

Michael Robert Rodriguez

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines current theoretical and research literature on the impact of HIV and AIDS on individuals and communities. Relies on an interdisciplinary perspective to explore topics that include prevention, bereavement, stigma, homophobia, collective identity, resilience, stress and



coping, survivor guilt, and altruism, among others.

Prerequisite: An introductory course in psychology, or permission of the instructor.

[*Psychology 1570 (formerly *Psychology 2640). The Nature of Prejudice]

Catalog Number: 9939 Enrollment: Limited to 22.

Mahzarin R. Banaji

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. Open to graduates with permission of instructor.

Psychology 1601. Temperament

Catalog Number: 6255

Nancy Claire Snidman

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Provides historical and theoretical perspectives on the concept of temperament. Examines the methodologies used for research and the concept’s usefulness for the study of individual differences. Discussions will focus on critical analysis and evaluation of relevant journal articles.

Psychology 1606. Language Acquisition

Catalog Number: 4632

Jesse Snedeker

Half course (fall term). Tu., Th., 10–11:30 plus a one-hour 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. Cognitive Development, Education, and the Brain (replaces Psychology 1202 and Psychology 1604)

Catalog Number: 9014

Kurt W. Fischer (Education) and Howard E. Gardner (Education)

Full course (indivisible). M., W., 12–2. EXAM GROUP: 5, 6

Provides 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. Among the major theoretical orientations are Piaget, Vygotsky, information processing, emotion theory, neural networks, dynamic systems, modularity/constraints, skill theory, and symbol systems. The course uses extensive web-based materials as well as classroom interaction. Students complete a major project.

Note: Offered jointly with the Graduate School of Education as HT 100. Students must enroll for the full year, they cannot take one semester only.



***Psychology 1652r. Laboratory in Early Cognitive Development**

Catalog Number: 9913

Elizabeth S. Spelke

Half course (fall term; repeated spring term). Th., 10–11:30. EXAM GROUP: 12, 13

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 1653. Social-Cognitive Development: Seminar]

Catalog Number: 6712 Enrollment: Limited to 15.

Half course (fall term). Hours to be arranged.

Considers the development of cognition in social context with emphasis on infancy and early childhood. Topics include memory, intelligence, language, narrative, culture and social cognition.

Note: Expected to be given in 2003–04.

Prerequisite: Psychology 16 or permission of instructor.

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 course provides an overview of the major theories, modern research, and current issues in the field of emotion. Topics include examination of basic and complex emotions, physiological and evolutionary models of emotion, gender and cross-cultural differences, emotions and mental health, and the role of emotion in motivation.

Psychology 1703. Human Sexuality

Catalog Number: 7683

Michael Robert 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 will explore topics that include: research methods in human sexuality; biological bases of sexual behavior; sexual arousal and response; gender identity and gender roles; attraction and love; sexual orientation; sexuality across the life cycle; sexual dysfunctions and sex therapy; safer sex and STD prevention; atypical sexual variations; and sexual coercion and abuse and their treatment.

Psychology 1704. Creativity: Geniuses, Madmen, and Harvard Students

Catalog Number: 2386

Shelley H. Carson

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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.

Psychology 1801. Anxiety Disorders

Catalog Number: 4906 Enrollment: Limited to 25.

Richard J. McNally

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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: For both graduate and advanced undergraduate students.

Prerequisite: Psychology 18.

***Psychology 1803. Eating Disorders**

Catalog Number: 4992 Enrollment: Limited to 15.

Pamela Kohl Keel

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the diagnosis, epidemiology, etiology, assessment, and treatment of eating disorders, including anorexia nervosa, bulimia nervosa, binge eating disorder, and subclinical eating disorders. Theories of appetite control and weight regulation also covered.

Note: 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

This course will introduce a multidisciplinary approach to the study of psychopathology from a neurobiological perspective. Emphasis will be placed on integration of anatomical, chemical, and electrical data at both the animal and human level to characterize affective and cognitive dysfunctions in various psychopathological conditions (e.g. depression, anxiety disorders, schizophrenia). The course will include sections on neuroanatomy, animal models of psychopathology, and current evidence on the neuroanatomical basis of psychiatric disorders.

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.

This course is designed to extend the material covered in Psychology 18 (Abnormal Psychology) in a more clinical direction. Provides students with an opportunity to approach issues in clinical psychology from a scientist-practitioner perspective. Focuses on how research-based approaches to the study and treatment of psychopathology can translate into high quality ethical care for patients with major psychiatric problems.

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 (spring term). Hours to be arranged.

Examines schizophrenia and schizophrenia-spectrum disorders from biological, psychological, and psychosocial perspectives. Focuses on early (e.g., Kraepelin) and modern (e.g., DSM-IV) perspectives, clinical case descriptions of the disorder, and recent theoretical and empirical developments in understanding etiology, phenomenology, and treatment.

Note: Expected to be given in 2003–04.

Prerequisite: Psychology 18.

Psychology 1855. Mood Disorders: Seminar

Catalog Number: 6867

Patricia Deldin

Half course (fall term). M., 4–6. EXAM GROUP: 9

This course examines current theory and research on the descriptive, causative and ameliorative aspects of mood disorders. Cognitive, behavioral, and biological approaches are emphasized. Readings will include both empirical and theoretical papers on mood disorders.

Prerequisite: Psychology 18 and introductory psychology.

[*Psychology 1856r. Laboratory in Psychophysiology]

Catalog Number: 7521

Patricia Deldin

Half course (spring term). Hours to be arranged.

An advanced psychophysiology course designed to give students “hands-on” psychophysiology research experience. Theoretical psychophysiology background required.

Note: Expected to be given in 2003–04.

Prerequisite: Psychology 1807.

[*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 2003–04.

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 1901. Methods of Behavioral Research

Catalog Number: 3811

Nancy Claire Snidman

Half course (fall term). Tu., Th., 10–11:30, and a one-hour 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 or 101 or 102 or 104 or the equivalent.

Psychology 1951. Intermediate Quantitative Methods

Catalog Number: 8674

Nalini Ambady

Half course (fall term). M., W., 1–2:30, and a one-hour section to be arranged. EXAM GROUP: 6, 7

This course will emphasize analysis of variance designs and contrasts for applied behavioral research. Additional topics include reliability, validity, correlation, effect size, and meta-analysis.

Prerequisite: Statistics 100 or 101 or 102 or 104 or the equivalent.

Psychology 1952. Multivariate Analysis in Psychology

Catalog Number: 6191

Lee Baer (Medical School)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course will emphasize multiple regression analysis 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

Marc D. Hauser and members of the Department

Full course (spring term). Tu., Th., 2–4. EXAM GROUP: 16, 17

Advanced survey of research topics in cognition, brain, and behavior.

Note: Required of and limited to first-year graduate students in the CBB program.

[*Psychology 2040. Contemporary Topics in Psychopathology]

Catalog Number: 4628 Enrollment: Limited to doctoral candidates.

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Advanced survey of current topics in experimental psychopathology.

Note: Expected to be given in 2003–04. Required for first-year or second year graduate students in the psychopathology area.

***Psychology 2100. Research Methodology**

Catalog Number: 8552 Enrollment: Limited to doctoral students.

J. Richard Hackman

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Covers all major steps in conducting an empirical research project, with emphasis on studies that involve human participants. Topics include finding and formulating research problems; research design strategies; developing and validating concepts; designing and assessing empirical measures and manipulations; issues in data collection, analysis, and interpretation; and writing and publishing research reports.

Note: Offered jointly with the Business School as 4080.

***Psychology 2170. Origins of Knowledge**

Catalog Number: 6883

Elizabeth S. Spelke and Susan E. Carey

Half course (fall term). F., 1–4. EXAM GROUP: 15, 16



Psychology 2180. Language and Thought (formerly Modularity, Domain-Specificity, and the Organization of Knowledge)

Catalog Number: 5200

Elizabeth S. Spelke and Susan E. Carey

Half course (fall term). Tu., 7–10 p.m. EXAM GROUP: 18

Examines interrelationships between language and thought. Do different languages, learning new languages, and being multilingual affect thinking? Are some thoughts unthinkable without language? Discusses ideas from cognitive, developmental, and cultural psychology, plus linguistics, anthropology, ethology.

Note: The course is held every other week at MIT.

***Psychology 2190. Topics in Language Acquisition**

Catalog Number: 2529 Enrollment: Open to undergraduates with permission of instructor only.

Jesse Snedeker

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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.

[*Psychology 2210r (formerly Psychology 2210, Seminar on Concepts and Words). Seminar on Language and Cognition]

Catalog Number: 6738 Enrollment: Limited to graduate students only.

Jesse Snedeker and members of the Department.

Half course (spring term). Hours to be arranged.

Advanced seminar on current research in language acquisition, conceptual development, language processing, and linguistic representation. Topics change yearly.

Note: Expected to be given in 2003–04.

***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). Tu., 2:30–4. EXAM GROUP: 16, 17

Research seminar open to graduate students and advanced undergraduates conducting research in cognitive development.

Note: The first meeting will be in William James 1550; thereafter, it meets in room 105.

***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). Tu., 11:30–1. EXAM GROUP: 13, 14

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; repeated spring term). Fall: W., 6–8 p.m.; Spring: F., at 2. EXAM

GROUP: Fall: 9; Spring: 7

Note: Open only to graduate students and undergraduates involved in research in the instructor's laboratory.

***Psychology 2260. Advanced Topics in Psychopharmacology**

Catalog Number: 6577 Enrollment: Open to graduate students and undergraduates who have had an exposure to psychopharmacology.

Joshua Stephen Rodefer

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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.

Prerequisite: Psychology 1201 or consent of instructor.

***Psychology 2300r. Perception, Cognition, and Representation: Seminar**

Catalog Number: 8369

Patrick Cavanagh

Half course (spring term). Th., 4–6. First class meeting: 2/6. EXAM GROUP: 18

Discussion of issues in perception, attention, and cognition.

Note: Undergraduates may enroll with permission of the 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. Preference given to upper-level undergraduates and to graduate students.

Alan Dershowitz (Law School) and Stephen M. Kosslyn

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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: Offered jointly with the Law School as 44041-31.

***Psychology 2335r (formerly *Psychology 3380r). Language: Research Seminar**

Catalog Number: 5121

Alfonso Caramazza

Half course (fall term; repeated spring term). W., 2–4. EXAM GROUP: 7, 8

Note: 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). M., 1–3. EXAM GROUP: 6, 7

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: Undergraduates may enroll with permission of instructor.

***Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar**

Catalog Number: 1119

Stephen M. Kosslyn

Half course (fall term; repeated spring term). Fall: M., at 2; Spring: Tu., at 3. EXAM GROUP: Fall: 7; Spring: 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. Undergraduates may enroll with permission of instructor.

Prerequisite: Psychology 13 or Biological Sciences 80, plus statistics.

***Psychology 2400. Cognitive Psychology and Emotional Disorders**

Catalog Number: 6138 Enrollment: Limited to graduate students.

Richard J. McNally

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This course concerns research and theory on the application of cognitive psychology methods to the understanding of anxiety and mood disorders.

Psychology 2420. Cognitive-Behavioral Treatment of Psychological Disorders

Catalog Number: 8446

Richard J. McNally

Half course (spring term). Th., 4–6. EXAM GROUP: 18

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: Limited to Harvard graduate students in clinical psychology.

[*Psychology 2435. Laboratory in Eating Disorders]

Catalog Number: 2559 Enrollment: Limited to 10.

Pamela Kohl Keel

Half course (spring term). Hours to be arranged.

Trains students in the assessment of eating disorders, including anorexia nervosa, bulimia nervosa, binge eating disorder, and eating disorders not otherwise specified. Particular attention given to differentiating between normal and abnormal eating and weight control behaviors.

Psychometric properties of various self-report and structured interview assessments covered.

Note: Expected to be given in 2004–05.

Prerequisite: Psychology 1, Psychology 18, and introductory statistics.

***Psychology 2450. Affective and Social Neuroscience**

Catalog Number: 9796 Enrollment: Open to graduate students and advanced undergraduates with permission of instructor.

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.

[*Psychology 2460. Diagnostic Interviewing]

Catalog Number: 4157 Enrollment: Limited to 12. Graduate students only.

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.

Prerequisite: Psychology 2040.

***Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar**

Catalog Number: 4335

William P. Milberg (Medical School)

Half course (fall term). Tu., 4:30–6:30. EXAM GROUP: 18

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: Preference to graduate students who have completed Psychology 2010; if space is available, qualified undergraduates who have taken Biological Sciences 25 or 80 may enroll with permission of instructor.

[Psychology 2482. Neuropsychological Assessment]

Catalog Number: 3669 Enrollment: Limited to 12.

William P. Milberg (Medical School)

Half course (fall term). Hours to be arranged.

Introduction to the theory and technique of assessing higher mental functions in brain-damaged patients. Topics include a comparison of currently available test batteries, clinical localization of cortical functions, and behavioral neurology.

Note: Expected to be given in 2003–04. Preference to graduate students who have completed Psychology 2010 and Psychology 2480; if space is available, qualified undergraduates who have taken Biological Sciences 25 or 80 may enroll with permission of instructor.

Prerequisite: Psychology 2010; *Psychology 2480 recommended.

[*Psychology 2500. Advanced Social Psychology]

Catalog Number: 5094

Daniel M. Wegner

Half course (fall term). Hours to be arranged.

Advanced survey of classic and current research and theory in social psychology, including self, social cognition, attitudes, social influence, altruism and aggression, prejudice and



discrimination, close relationships, and group dynamics.

Note: Expected to be given in 2003–04. Seniors may enroll with permission of instructor.

***Psychology 2510. Mind Perception**

Catalog Number: 2481 Enrollment: Limited to 15. Open to seniors with consent of instructor.

Daniel M. Wegner

Half course (fall term). M., W., at 11. EXAM GROUP: 4

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.

[*Psychology 2525. Emotion: Social and Neuroscience Perspectives]

Catalog Number: 5594 Enrollment: Limited to 15.

Mahzarin R. Banaji and Nalini Ambady

Half course (spring term). Hours to be arranged.

This course will examine social and neuroscience perspectives on emotion, with a focus on recent advances.

Note: Expected to be given in 2003–04.

***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: Open only to graduate students and undergraduates involved in research in the instructor's laboratory.

[*Psychology 2551. Themes and Controversies in Social Cognition: Seminar]

Catalog Number: 3829 Enrollment: Limited to 15.

Daniel T. Gilbert

Half course (spring term). Hours to be arranged.

Explores theory and research on cognitive processes in social psychology, with an emphasis on how minds construct reality, how we acquire and use knowledge about ourselves and others, etc.

Note: Expected to be given in 2003–04. Advanced undergraduates may enroll with permission of instructor.

***Psychology 2580r. Affective Forecasting: Research Seminar**

Catalog Number: 4262

Daniel T. Gilbert

Half course (fall term; repeated spring term). Fall: Th., 12–1:30 Spring: Hours to be arranged.

EXAM GROUP: Fall: 14, 15

Note: Open to students working on research in the instructor's laboratory.

***Psychology 2620. The Self**

Catalog Number: 8977 Enrollment: Limited to graduate students.

Nicholas Epley

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Investigates how people across different cultures develop, maintain, and utilize self-knowledge.



***Psychology 2630. Social Behavior in Organizations: Seminar**

Catalog Number: 0991 Enrollment: Limited.

J. Richard Hackman

Half course (fall term). Tu., 1:30–3. EXAM GROUP: 15, 16

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: Open to doctoral students only. Students are also expected to attend the lectures of Psychology 1501.

***Psychology 2650. Behavioral Approaches to Decision Making and Negotiation**

Catalog Number: 7147 Enrollment: Open to juniors and seniors in psychology and economics who are writing, or plan to write, a senior thesis.

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.

***Psychology 2660r. Research Seminar in Mindfulness Theory**

Catalog Number: 4909 Enrollment: Open to undergraduates writing theses with instructor.

Ellen J. Langer

Half course (fall term; repeated spring term). Tu., 2–4. EXAM GROUP: 16, 17

Mindfulness/mindfulness theory as it is compared to relevant current theories in social and cognitive psychology and as explored in applied settings. Experimental research required.

***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

Theory and research on decision making and control, including predictability, internal vs. external control, risk taking, mindfulness theory, learned helplessness, and obedience to authority. These topics are examined in a variety of applied settings.

Note: Qualified undergraduates welcome to enroll.

***Psychology 2670b. Decision Making and Perceived Control II**

Catalog Number: 3434

Ellen J. Langer

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The deeper theoretical and experimental issues pertaining to decision making and mindfulness, as defined in *Psychology 2670a, are explored. Experimental research is required.

Note: Qualified undergraduates welcome to enroll.

Prerequisite: *Psychology 2670a.



[Psychology 2680. Applied Social Psychology: Seminar]

Catalog Number: 1596 Enrollment: Open to undergraduates.

Philip Stone

Half course (spring term). Hours to be arranged.

Examines attempts to create useful social psychology in domains of health, law, business, education, marketing, energy conservation, environmental quality, mass communications, and diversity issues.

Note: Expected to be given in 2003–04.

***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: F., at 10. EXAM GROUP: Fall: 15, 16; Spring: 3

Note: Open only to graduate students and undergraduates conducting research in the instructor's laboratory.

***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.

Pamela Kohl Keel

Half course (spring term). F., 3–5. EXAM GROUP: 8, 9

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.

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 2470 (formerly *Psychology 3200). Clinical Psychophysiology**

Catalog Number: 5514

Patricia Deldin

Half course (fall term). Tu., 11–1. EXAM GROUP: 13, 14

The focus of this course is the examination of the application of psychophysiological measures



(ERPs, SC, HR and EMG) to research on psychopathological and normal populations.

Prerequisite: Psychology 1802, 1807, 1856r or permission of instructor.

***Psychology 3010. Special Reading and Research**

Catalog Number: 7858

Nalini Ambady 1528, Mahzarin R. Banaji 4258 (on leave 2002-03), Mark G. Baxter 1364, Alfonso Caramazza 1871, Susan E. Carey 4113, Patrick Cavanagh 2447, Patricia Deldin 1692 (on leave spring term), Nicholas Epley 3975, Daniel T. Gilbert 2359 (on leave 2002-03), J. Richard Hackman 1504, Marc D. Hauser 3347, Jill M. Hooley 1191 (on leave 2002-03), Pamela Kohl Keel 2099, Stephen M. Kosslyn 7836, Ellen J. Langer 4967, Richard J. McNally 2978, Ken Nakayama 2558, 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

Nalini Ambady 1528, Mahzarin R. Banaji 4258 (on leave 2002-03), Mark G. Baxter 1364, Alfonso Caramazza 1871, Susan E. Carey 4113, Patrick Cavanagh 2447, Patricia Deldin 1692 (on leave spring term), Nicholas Epley 3975, Daniel T. Gilbert 2359 (on leave 2002-03), J. Richard Hackman 1504, Marc D. Hauser 3347, Jill M. Hooley 1191 (on leave 2002-03), Jerome Kagan 2243, Pamela Kohl Keel 2099, Stephen M. Kosslyn 7836, Ellen J. Langer 4967, Richard J. McNally 2978, Ken Nakayama 2558, Diego Pizzagalli 4425, Daniel L. Schacter 2805, Jesse Snedeker 4118, Elizabeth S. Spelke 3850, Philip Stone 2275, and Daniel M. Wegner 3758

Members of the Department and others listed under *Psychology 3010 direct doctoral dissertations.

[*Psychology 3040. Clinical Psychology: Science and Practice]

Catalog Number: 0309

Jill M. Hooley 1191 (on leave 2002-03)

Half course (fall term). Hours to be arranged.

Introduction to clinical psychology from a scientist-practitioner perspective. Focuses on how research-based approaches to the study and treatment of psychopathology can translate into high quality ethical care for patients with major psychiatric problems.

Note: Expected to be given in 2003–04. Required of and limited to doctoral students in the Clinical Psychology program.

***Psychology 3050 (formerly *Psychology 3050r). Clinical Practicum**

Catalog Number: 6299 Enrollment: Limited to students in the Clinical Psychology Program.

Jill M. Hooley 1191 (on leave 2002-03) and Richard J. McNally 2978

Half course (fall term; repeated spring term). Hours to be arranged.

Students will work in clinical settings locally and, under supervision, will be directly involved in the treatment and clinical care of patients.

***Psychology 3060 (formerly *Psychology 3060r). Multicultural Aspects of Clinical Treatment**

Catalog Number: 7321 Enrollment: Limited to students in the Clinical Psychology Program.

Jill M. Hooley 1191 (on leave 2002-03)



Half course (fall term; repeated spring term). Hours to be arranged.

Focuses on the clinical management of patients from different cultural backgrounds and provides supervised experience in the treatment of such patients.

***Psychology 3070 (formerly *Psychology 2465). Clinical Assessment and Treatment Practicum**

Catalog Number: 4439 Enrollment: Limited to graduate students in Clinical Psychology.

Jill M. Hooley 1191 (on leave 2002-03) and members of the Department

Half course (spring term). Hours to be arranged.

Faculty interview psychiatric inpatients to demonstrate establishing treatment alliances, gathering histories, and initial assessment. Group discussion will consider how theoretical principles are applied to clinical work.

***Psychology 3330a (formerly *Psychology 3330ar). Memory: Research Seminar**

Catalog Number: 0141

Daniel L. Schacter 2805

Half course (fall term). F., at 12. EXAM GROUP: 5

Note: Open only to students involved in research.

***Psychology 3330b (formerly *Psychology 3330br). Memory: Research Seminar**

Catalog Number: 6989

Daniel L. Schacter 2805

Half course (spring term). Hours to be arranged. EXAM GROUP: 5

Note: Open only to students involved in research.

***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 (formerly *Psychology 3360r). Current Topics in Vision and Sensory Processes**

Catalog Number: 0604

Ken Nakayama 2558

Half course (fall term; repeated spring term). Tu., 12–2. EXAM GROUP: 14, 15

***Psychology 3420 (formerly *Psychology 3420r). Research Workshop in Social Psychology**

Catalog Number: 7610

Ellen J. Langer 4967 (spring term only) and Philip Stone 2275 (fall term only)

Half course (fall term; repeated spring term). Tu., 12–1:30. EXAM GROUP: 14, 15

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; in the spring, open to other Social Psychology students.

***Psychology 3450 (formerly *Psychology 3450r). Social Cognition and Social Neuroscience: Research Seminar**

Catalog Number: 7865

Mahzarin R. Banaji 4258 (on leave 2002-03)

Half course (fall term; repeated spring term). Tu., 6–8 p.m. EXAM GROUP: 18

Note: Open to graduate students involved in research in the instructor's laboratory.

***Psychology 3550 (formerly *Psychology 3550r). Teaching Psychology**

Catalog Number: 0853

Stephen M. Kosslyn 7836

Half course (fall term; repeated spring term). W., at 12. EXAM GROUP: 5

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). M., 4–6. EXAM GROUP: 9

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). F., 2–4. EXAM GROUP: 7, 8

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: Limited to graduate students in Psychology.

[*Psychology 3700. Debates in the Practice of Good Psychological Science]

Catalog Number: 8475

Erin Driver-Linn 4248 (fall term only)

Half course (fall term; repeated spring term). Hours to be arranged.

Addresses meta-level questions about practicing the science of psychology in graduate school.

Graduate students and faculty guests discuss differences between areas of psychology and problems of professional development toward establishing productive, collegial cross talk.

Note: Expected to be given in 2003–04.



Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Policy

Robert H. Bates, Eaton Professor of the Science of Government (*Chair*)
 Christopher N. Avery, Professor of Public Policy (*Kennedy School*)
 Mary Jo Bane, Thornton Bradshaw Professor of Public Policy and Management (*Kennedy School*)
 L. Jean Camp, Assistant Professor in Public Policy (*Kennedy School*)
 William C. Clark, Sidney Harman Professor of International Science, Public Policy, and Human Development (*Kennedy School*)
 John D. Donahue, Lecturer in Public Policy (*Kennedy School*)
 David Tabor Ellwood, Lucius N. Littauer Professor of Political Economy (*Kennedy School*)
 Jane E. Fountain, Associate Professor in Public Policy (*Kennedy School*)
 Peter Frumkin, Assistant Professor of Public Policy (*Kennedy School*)
 William W. Hogan, Lucius N. Littauer Professor of Public Policy and Administration (*Kennedy School*) (*ex officio*)
 Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*)
 Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
 Steven Kelman, Albert J. Weatherhead III & Richard W. Weatherhead Professor of Public Management (*Kennedy School*)
 Sanjeev Khagram, Assistant Professor in Public Policy (*Kennedy School*)
 Jeffrey B. Liebman, Associate Professor of Public Policy (*Kennedy School*)
 Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*)
 Anne M. Piehl, Assistant Professor of Public Policy (*Kennedy School*)
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy (*on leave 2002-03*)
 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 of Government*)
 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*)
 Gary Anderson, Professor of Hebrew Bible (*Divinity School*) (*Director of PhD Studies*)
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture
 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
 Sarah Coakley, Edward Mallinckrodt, Jr. Professor of Divinity (*Divinity School*) (*Director of ThD Studies*)
 Diana L. Eck, Professor of Comparative Religion and Indian Studies
 Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies
 Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)
 William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion
 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*)
 Richard G. Heck, Jr., Professor of Philosophy
 Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
 Beverly Mayne Kienzle, Professor of the Practice of Latin and Romance Languages (*Divinity School*)
 Karen L. King, Professor of New Testament Studies and the History of Ancient Christianity (*Divinity School*)
 Kimerer LaMothe, Lecturer on the Study of Religion (*Head Tutor*)
 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 (*on leave spring term*)

Robert A. Orsi, Charles Warren Professor of History of Religion in America (*Divinity School*) (*on leave spring term*)

Ronald Thiemann, John Lord O'Brian Professor of Theology (*Divinity School*)

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies (*on leave spring term*)

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies

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*)

Asher D. Biemann, Lecturer on the Study of Religion

François Bovon, Frothingham Professor of the History of Religion (*Divinity School*)

Ann D. Braude, Senior Lecturer in American Religious History (*Divinity School*)

Allen D. Callahan, Assistant Professor of New Testament and Early Christian Studies (*Divinity School*)

John B. Carman, Parkman Professor of Divinity and Professor of Comparative Religion (*Divinity School*)

Nicholas P. Conostas, Assistant Professor of Theology (*Divinity School*)

Harvey G. Cox, Jr., Victor S. Thomas Professor of Divinity (*Divinity School*)

Karen Anne Derris, Lecturer on the Study of Religion

Arthur J. Dyck, Mary B. Saltonstall Professor of Population Ethics (*Public Health and Divinity School*)

Francis Fiorenza, Charles Chauncey Stillman Professor of Roman Catholic Theological Studies (*Divinity School*)

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave spring term*)

Jay M. Harris, Harvard College Professor and Harry Austryn Wolfson Professor of Jewish Studies

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Albert Henrichs, Eliot Professor of Greek Literature

Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies (*on leave fall term*)

William R. Hutchison, Charles Warren Professor of the History of Religion in America (*Divinity School*)

James T. Kloppenberg, Professor of History (*on leave 2002-03*)

Helmut H. Koester, John H. Morison Professor of New Testament Studies and Winn Professor of Ecclesiastical History Emeritus (*Divinity School*)

James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of Comparative Literature (*on leave fall term*)

Courtney Bickel Lamberth, Allston Burr Senior Tutor in Winthrop House, Lecturer on the Study of Religion

David Lamberth, Assistant Professor of Theology (*Divinity School*)



Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
 Kevin J. Madigan, Assistant Professor of the History of Christianity (*Divinity School*)
 David Gordon Mitten, James Loeb Professor of Classical Art and Archaeology
 Anne Elizabeth Monius, Assistant Professor of South Asian Religious Traditions (*Divinity School*)
 Roy Mottahedeh, Gurney Professor of History
 Brian C. W. Palmer, Lecturer on the Study of Religion
 Charles D. Parsons, Edgar Pierce Professor of Philosophy
 Parimal G. Patil, Assistant Professor of the Study of Religion and of Sanskrit and Indian Studies
 Kimberley C. Patton, Associate Professor in the Comparative and Historical Study of Religion (*Divinity School*)
 Ralph B. Potter, Professor of Social Ethics (*Divinity School*)
 Christopher S. Queen, Lecturer on the Study of Religion
 Elisabeth Schüssler Fiorenza, Krister Stendahl Professor of Divinity (*Divinity School*)
 P. Oktor Skjaervo, Aga Khan Professor of Iranian
 Lawrence E. Sullivan, Professor of the History of Religions (*Divinity School*)
 Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology, *Emeritus*
 Preston N. Williams, Houghton Professor of Theology and Contemporary Change (*Divinity School*)
 Irene J. Winter, William Dorr Boardman Professor of Fine Arts

Courses listed in this section are offered by the Committee on the Study of Religion and by various departments. The Committee is responsible for the program of concentration for undergraduates in the Comparative Study of Religion and for the program of studies leading to the PhD in The Study of Religion. Undergraduate concentrators may, with the prior approval of the Head Tutor, take courses offered by other departments and by the Divinity School for credit toward concentration requirements. Candidates for higher degrees also should consult other sections of this catalog relevant to their programs and the catalog of the Divinity School. Cross registration is required for all Divinity School courses. Many courses have separate requirements for undergraduate, masters, and doctoral students, and wherever possible also have separate discussion sections.

Courses numbered 10–999 are Primarily for Undergraduates; 1000–1999, For Undergraduates and Graduates; and 2000–2999, Primarily for Graduates. Courses are distributed according to their last three digits in the following sections:

000–099 General: Comparative and Methodological

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

Kimerer LaMothe and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Study of special topics in the history and comparative study of religion on an individual or small-group basis.

Note: May not be taken Pass/Fail. Normally open only to concentrators. Permission of Head Tutor required.

***Religion 97a. Tutorial - Sophomore Year**

Catalog Number: 2313

Kimerer LaMothe and members of the Committee

Half course (fall term). Tu., Th., 2–3:30.

Note: Required of concentrators.

***Religion 97b (formerly *Religion 97). Tutorial — Sophomore Year**

Catalog Number: 7608

Kimerer LaMothe and members of the Committee

Half course (spring term). F., 2:30–4.

Note: Required of concentrators.

***Religion 98a. Tutorial — Junior Year**

Catalog Number: 2832

Kimerer LaMothe and assistants

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 5, 6

Note: Required of concentrators.



***Religion 98b. Tutorial — Junior Year**

Catalog Number: 2922

Kimerer LaMothe and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 99. Tutorial — Senior Year**

Catalog Number: 6498

Kimerer LaMothe and assistants

Full course. Hours to be arranged.

A required component of the senior year tutorial is a monthly seminar, led by the Assistant Head Tutor. Covers research methods and strategies in thesis writing in the fall, becoming an intensive review for general examinations in the spring.

Note: Required of concentrators.

Introductory Courses

Primarily for Undergraduates

Religion 11. World Religions: Diversity and Dialogue

Catalog Number: 4811

Diana L. Eck

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

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: 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). M., W., at 10 and a weekly section to be arranged. EXAM GROUP: 3

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: Offered jointly with the Divinity School as 3320.

Religion 42. The Christian Bible and Its Interpretation

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 to be 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

[Literature and Arts A-80. To Far Places: Literature of Journey and Quest]

General: Comparative and Methodological

For Undergraduates and Graduates

[Religion 1001. Ethnographic Imaginations]

Catalog Number: 0156 Enrollment: Limited to 12.

Brian C. W. Palmer

Half course (spring term). Hours to be arranged.

This course 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: Expected to be given in 2003–04. Offered by the Divinity School as 4705.

Religion 1004. Religious Dimensions in Human Experience

Catalog Number: 9089

David L. Carrasco

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A critical introduction to major themes in the history of religions including religious experience, cosmic cities, ritual violence, charisma, ancestors and ghosts, the death of God(s), search for the soul, identity and ethnicity. A robust study of religious claims in Judeo-Christian, Islamic, Hindu traditions and Latin American and African American Religions by reading Toni Morrison, Tomas Eloy Martinez, Diana Eck, Mircea Eliade, Leila Ahmed and others.

Note: Offered at the Divinity School as 3160.

[Religion 1008. Practicing Religion]

Catalog Number: 1834 Enrollment: Limited

Kimerer LaMothe

Half course (spring term). Hours to be arranged.

When studying religion, how important is it for a scholar to consider what people actually do? What is the relationship between what a person or community practices and what a person or



community believes? Between religious ideas and religious actions? Or between sacred texts and ritual performance? This course investigates the recent explosion of theories on practice and performance as these theories are being used to illuminate questions in and about the field of religious studies. Readings may include: Freud, Foucault, Merleau-Ponty, Bordieu, de Certeau, Bell, Schechner, Butler, and others.

Note: Expected to be given in 2003–04.

Prerequisite: Sophomore Tutorial or coursework in theory and method, philosophy, cultural studies, or the equivalent.

[Religion 1009. Designing a World Religion Museum]

Catalog Number: 4290

Lawrence E. Sullivan (Divinity School)

Half course (spring term). Hours to be arranged.

If you could design a World Religion Museum, how would you do it? Impassioned public debates surround the treatment of religion in museums, where research, education, and entertainment are displayed in revealing ways. This course asks how we learn and teach about religion in a plural society. As leisure time and access to “other” cultures grow, museums crystallize questions about the relationship of: art to religion, education to entertainment, object to community, self-representation to representation of the “other.” How do you reconcile the authority of social institutions with the ongoing creativity of living communities? What context best discloses the meaning of religious art: patronage, patrimony, property, or performance? Drawing on existing models and new proposals, students will develop defensible intellectual concepts and cultural content for a museum. This course will be offered in collaboration with the School of Design, the School of Education, and other Harvard graduate programs to produce model museums, replete with content and educational programs.

Note: Expected to be given in 2004–05. Offered by the Divinity School as 3323.

[Religion 1012a. Dreams and Dreaming]

Catalog Number: 5216

Kimberley C. Patton (Divinity School)

Half course (fall term). Hours to be arranged.

The course will consider the religious role of the dream as initiatory experience, metaphor for aboriginal time, gateway to the other world, venue for the divine guide, revelation, healing event, “royal road” to the unconscious, occasion for quest or journey, epistemological paradox, and divinatory omen of the personal or collective future. Theories of dreams, the history of dream interpretation, and the relationship of dreams to both myth and ritual will be examined cross-culturally. The course will also evaluate current research in the psychology and neurobiology of dreams with respect to relevance for the theological and spiritual dimensions of human dreaming.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 3315A.

[Religion 1012b. Dreams and Dreaming]

Catalog Number: 5697

Kimberley C. Patton (Divinity School)

Half course (fall term). Hours to be arranged.

A continuation of Religion 1012a.



Note: Expected to be given in 2003–04. Offered by the Divinity School as 3315B.

Prerequisite: It is not necessary to have taken Religion 1012a/HDS 3315A to take Religion 1012b/HDS 3315B.

Religion 1014. Realms of Power: Animals in Religion: Seminar

Catalog Number: 4827 Enrollment: Limited to 15.

Kimberley C. Patton (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This seminar will focus on the symbolism and ritual function of animals in human religious worlds. Using particular cultural histories as paradigms, we will consider themes such as cosmogony, hierarchy, magic, metamorphosis, antinomianism, prophecy, mimesis, hunting, sacrifice, and the role of fantastic creatures. Central to our work will be the evaluation of developmentalist and other theoretical models of the human-animal relationship and their impact on the history of religion.

Note: Offered jointly with the Divinity School as 3812.

[Religion 1016. How to Understand Religion: Theory from Max Müller to Catherine Bell]

Catalog Number: 5017

Lawrence E. Sullivan (Divinity School)

Half course (spring term). Hours to be arranged.

Surveying modern methods, this basic course reviews prominent theorists and schools concerned with the nature and function of religion in order to ground key questions about religion and culture. Is religion rooted primarily in a personal quest for meaning or in institutional control of society? Do the order and function of religion operate largely on an unconscious level, like the structures of spoken language? Do myth and symbol point to truth? How can such truths be known and expressed? Are religious texts the best guides to religious meaning, or do actions speak louder than words? Do the origins of religion still shape religious experience and practice today? Are religions similar or different? Is the human being fundamentally intrinsically religious?

Note: Expected to be given in 2003–04. Offered by the Divinity School as 3321.

Religion 1017. New Religious Movements and Society: Conference Course

Catalog Number: 8082

Helen Hardacre

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This conference course examines the emergence and development of new religious movements (NRMs) from the 19th century to the present, based on case studies from Europe, Africa, the United States, and Japan. Topics include interpretations of the founding of NRMs, conflicts between NRMs and the media, and the contemporary millenarianism.

Note: Offered by the Divinity School as 3810.

[Religion 1019. Science and the Spiritual Quest]

Catalog Number: 5596

Lawrence E. Sullivan (Divinity School)

Half course (spring term). 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. Sullivan will draw on multiple religious traditions and spiritual perspectives to focus on the spiritual quest in an age marked by science. Separate sections for undergraduates, master's students and doctoral students. Assignments for doctoral and master's students include historical and philosophical dimensions.

Note: Expected to be given in 2004–05. Offered by the Divinity School as 3319

Religion 1027. Weeping in the Religious Imagination:Seminar

Catalog Number: 4305 Enrollment: Limited to 15.

Kimberley C. Patton (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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: Offered by the Divinity School as 3821.

Religion 1035. Religion and Latin American Imaginations

Catalog Number: 7784

Davíd L. Carrasco

Half course (fall term). M., W., at 10. EXAM GROUP: 3

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, Santería, 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 by 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 isolating, illustrating, and examining the distinctive modes of thinking in science, religion, philosophy and law. Topics vary from year to year and may include some of the following: line-drawing and classification; beginnings and endings of life; effects and side-effects; causality, evidence, explanation and contingency; free will; biological and genetic explanations of behavior; legal punishment; discrimination and affirmative action; race, ethnicity and nationality; parents and children; gender; contrast between religious and empirical beliefs; natural law; textual interpretation; realism and perspectivism; animal rights.



Note: Expected to be given in 2003–04. Offered by the Divinity School as 2480 and by the Law School as 47200-31.

[Religion 1050. Multicultural Biblical Criticism: Conference Course]

Catalog Number: 1219 Enrollment: Limited to 20.

Elizabeth Schüssler Fiorenza

Half course (fall term). Hours to be arranged.

The course will discuss both the multicultural character of biblical texts and multiculturalism as a new interpretive approach in biblical studies. African, Asian, Indigenous, Latin American, Aboriginal, American Indian, Latina/o-Hispanic, and Australian studies, as well as, ethnicity, feminist, womanist, black, queer, liberation theological, postcolonial, and third World studies, have begun to de-center the hegemonic paradigm of biblical studies. This emerging emancipatory paradigm of biblical criticism is interdisciplinary, multi-vocal, ideology critical, and multicultural. The course discussions will explore the theoretical and methodological challenges these multicultural voices from the margins bring to biblical interpretation and will study the works of leading scholars that are shaping this field of study.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 2556.

***Religion 1055. Philosophies of Dialogue: Relation and Intersubjectivity in Modern Thought and Theology (Seminar)**

Catalog Number: 9966

Asher D. Biemann

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Beginning with Hermann Cohen’s concept of “correlation,” this course will explore the use of dialogical/relational models of encounter (such as the I-Thou philosophy) in modern Jewish and Christian Thought and test its application in three areas: Theology, anthropology, and ethics. Readings include texts by Hermann Cohen, Franz Rosenzweig, Ferdinand Ebner, Martin Buber, Gabriel Marcel, Friedrich Gogarten, Karl Heim, Emil Brunner, Karl Jaspers, Emmanuel Levinas, and others.

Note: Offered by the Divinity School as 2660.

[Religion 1064. Philosophy in India: Examples from Buddhism, Hinduism, and Jainism]

Catalog Number: 9608

Parimal G. Patil

Half course (spring term). Hours to be arranged.

An introduction to “Indian” philosophy through a discussion of selected topics in Sanskrit epistemology, philosophy of language, and metaphysics. In this course, we will not only inquire into how and why Sanskrit philosophers asked and answered the questions that they did, but also into whether, and for whom, their answers were/are convincing.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 3532.

Prerequisite: Previous coursework in philosophy, theory, theology.

Religion 1068. The Religious World of Southeast Asia

Catalog Number: 4680 Enrollment: Limited to 25.

Karen Anne Derris

Half course (spring term). Hours to be arranged.



This course explores the cultural-historical interaction of Buddhism, Hinduism, Islam, and local-supernaturalism in Southeast Asia. Considering issues such as contact, change, and conflict through case studies (e.g., Angkor, Pagan, and Ayuthaya) we will examine the complex and dynamic religious landscape of Southeast Asia.

Note: Offered by the Divinity School as 3498.

Religion 1069. Christianity in India: Seminar

Catalog Number: 9613 Enrollment: Limited to 15.

Anne Elizabeth Monius (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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: Offered by the Divinity School as 3922.

Religion 1075. Jerusalem: An Interdisciplinary Inquiry

Catalog Number: 3014

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

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: Offered by the Divinity School as 2505.

Cross-listed Courses

[Celtic 107. Early Irish History]

[Celtic 150. Celtic Paganism]

Comparative Literature 112. Religion and Literature in the Middle Ages

[*Folklore and Mythology 103. Oral Literature]

Social Analysis 36. Religion and Modernization: Cultural Revolutions and Secularism

Primarily for Graduates

***Religion 2001. Major Thinkers in the Study of Religion: Seminar**

Catalog Number: 0644 Enrollment: Limited to first-year doctoral students.

Robert A. Orsi (Divinity School)

Half course (fall term). M., 4–6. EXAM GROUP: 9

Introduces all first-year students in the Study of Religion to methodological issues by discussing the viewpoints of several significant scholars representing diverse approaches and fields.



***Religion 2002. Major Themes in the Study of Religion: Seminar**

Catalog Number: 0803

William A. Graham, Jr. and David D. Hall (Divinity School)

Half course (spring term). Hours to be arranged. EXAM GROUP: 17, 18

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 2006. Constructing Comparative Themes in the Study of Religion - Concepts And Cases: Seminar

Catalog Number: 1189

Lawrence E. Sullivan (Divinity School)

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

This advanced graduate seminar focuses on the role of comparison in understanding religions, especially the characteristic differences and significant commonalities among religions. The advantages and challenges entailed in thematic comparisons are explored as well as comparative studies based on history, geography, social function, symbolic structure, and other conceptional connections.

Note: Offered jointly by the Divinity School as 3914.

Prerequisite: Graduate introduction to methods in the study of religion or equivalent.

Religion 2040. Religion and Human Rights

Catalog Number: 8115

David Little (Divinity School)

Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13

This course will consider the legal, historical, theoretical, and practical connections between religion and human rights. Debates over universality, particularly in relation to religious freedom and nondiscrimination, will be given special attention. Recent theoretical and empirical work, particularly in Asia, Africa, the Middle East, and Europe, will be taken up.

Note: Offered jointly with the Divinity School as 2800.

Religion 2041. Conscience and Its Freedom: Seminar

Catalog Number: 7093

David Little (Divinity School)

Half course (fall term). Tu., 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 (fall term). Hours to be arranged.

This course will sample the literature on nationalism and ethnicity as it bears on conflict, with special focus on the role of religion. Specific cases will be examined, such as Sri Lanka, Sudan, Tibet, Northern Ireland, Israel and the Palestinian Authority, and Bosnia. Attention will be paid to the ingredients of peace in such situations, and how religion has and may function constructively.

Note: Expected to be given in 2003–04. 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). Th., 1–3. EXAM GROUP: 15, 16

The study of peace may be subdivided into four areas of inquiry: how peace agreements are made, how they are implemented or “kept,” how they are (if necessary) enforced, and how conditions generally congenial to peace are cultivated or “built.” The course, accordingly, will review and evaluate recent efforts in each of these areas. Special attention will be given to the problems of justice posed by attempting to make, keep, enforce, and build peace, as, for example, in regard to complying with international human rights and humanitarian standards. Special attention will also be given to the role of religion in theory and practice as applied to the four areas.

Note: Offered by the Divinity School as 2814.

Graduate Courses in Reading and Research

***Religion 3005 (formerly Religion 2005). Doctoral Colloquium in Religion, Gender, and Culture**

Catalog Number: 8016

Leila Ahmed (Divinity School) 3308

Half course (fall term). Tu., 3–5.

Discussions will explore the critical feminist theories on religion and their significance for the emerging field of gender/ women’s/ feminist studies in religion and feminist theology. This colloquium is required for Th.D. and Ph.D. candidates in Religion, Gender, and Culture in preparation for the general examinations in this concentration. Participants may also include faculty in the area and, by permission, doctoral students in other areas and masters level students interested in the Religion, Gender, and Culture doctoral program.

Note: Offered jointly with the Divinity School as 2690.

***Religion 3007 (formerly *Religion 3007hf). Religion and Society Colloquium**

Catalog Number: 5355 Enrollment: Limited to 15.

Harvey G. Cox, Jr. (Divinity School) 3479 and Francis Fiorenza (Divinity School) 2735

Half course (fall term; repeated spring term). Fall: M., 3–5. EXAM GROUP: Fall: 8, 9

Topic for 2002-2003: “Theologies of Culture and Religious Critiques of Society” The course will examine efforts by theologians and religiously informed thinkers to analyze and evaluate cultural systems and artifacts, and will focus especially on critiques of modernity by Jewish, Christian, and Muslim scholars. We will draw on the work of, among others, Kathryn Tanner, Richard Niebuhr, Paul Tillich, Gershom Scholem, Walter Benjamin, Roxanne Euben, Clifford



Geertz, Tal Asad and Seyyed Hossein Nasr.

Note: This course is required for all doctoral candidates prior to their general examination in Religion and Society. It will also be open to a limited number of qualified master's level students upon application.. The spring term will be devoted to presentation of papers, dissertation chapters, and articles by students and faculty. Offered by the Divinity School as 2697.

Ancient Near Eastern and Israelite

Cross-listed Courses

[**Ancient Near East 102. Introduction to Mesopotamian Religion**](#)

[Ancient Near East 117. Biblical Archaeology]

[**Ancient Near East 120. Introduction to the Hebrew Scriptures**](#)

[Ancient Near East 126. History of the Religion of Israel]

[Ancient Near East 127. Prophecy in Ancient Israel]

[**Ancient Near East 135. Biblical Theology: Hebrew Bible**](#)

[Ancient Near East 138. The Bible and Politics]

[*Comparative Literature 211. Mysticism and Literature: Seminar]

[**Early Iranian Civilizations 102. Old Iranian Religion**](#)

[**Early Iranian Civilizations 103. Manicheism**](#)

[Sumerian 146. Sumerian Religious Literature]

Judaic

For Undergraduates and Graduates

[**Religion 1212a. Judaism: The Liturgical Year**](#)

Catalog Number: 5679

Jon D. Levenson (Divinity School)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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: 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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A continuation of Religion 1212a.

Note: Offered jointly with the Divinity School as 1667b/3667b.

Prerequisite: Religion 1212a.



Religion 1245. Jews and Judaism in the Visual Arts

Catalog Number: 8137

Asher D. Biemann

Half course (spring term). Tu., Th., 10–11:30 and an hour to be arranged. EXAM GROUP: 12, 13

As a survey of Jewish visuality from the Bible to the present, this course will consist of three interlocking parts: a) Textual (rabbinic and contemporary sources on the visual arts), b) Historical (the emergence of “Jewish Art” in the 19th century), c) Topical (the representation of Judaism and Jewish life/experience in the visual arts). In addition to texts and slides, we will use the resources of local Jewish artists and collectors of Jewish art to actually experience the processes that are at work.

Note: Offered by the Divinity School as 3658. Limited enrollment.

Religion 1250a. Introduction to Modern Jewish Thought: From Spinoza to Heschel: Seminar

Catalog Number: 0399 Enrollment: Limited to 20.

Asher D. Biemann

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Beginning with Spinoza’s political and hermeneutic thought, we will explore how Jewish thinkers met the social, cultural, and religious challenges of modernity and, in turn, influenced the transformation of modern Jewry. Changing and conflicting perspectives on tradition, education, culture, and religion will be in the center of our interest.

Note: Offered jointly by the Divinity School as 3653.

[Religion 1251. The History and Ideas of Jewish Nationalism and Zionism: Seminar]

Catalog Number: 7719 Enrollment: Limited to 20.

Asher D. Biemann

Half course (fall term). Hours to be arranged.

This course will examine Jewish nationalism and Zionism as diverse cultural, intellectual, and political movements within the context of modern Jewish and European history. We will trace the origins of the Jewish national idea and study its many transformations during Enlightenment, Emancipation, and the rise of competing European nationalisms. Readings will mostly focus on pre-State history.

Note: Expected to be given in 2003–04. Offered jointly by the Divinity School as 3655.

[Religion 1252. The Enlightenment and the Jews]

Catalog Number: 0634

Asher D. Biemann

Half course (spring term). Hours to be arranged.

Modern Jewish history in Europe is largely defined by the lasting impact of the enlightenment and the consequent emancipation of the Jews. Explores the transition in European Jewish life and culture from a traditional society to a modern cultural identity. Focusing on German speaking and French Jewry, we will study the enlightenment as a European phenomenon and a phenomenon within Judaism (Haskalah). Our goal will be to understand the historical and intellectual origins of the enlightenment and its role in shaping modern Judaism.

Note: Expected to be given in 2004–05. Offered jointly by the Divinity School as 3652.



Religion 1253. Judaism Without God? Models of Secular Judaism from the Enlightenment to the Present

Catalog Number: 5523

Asher D. Biemann

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course will explore how the ideas of humanism, culture, civilization, and nation shaped the process of secularization in Jewish thought from the beginnings of the Jewish Enlightenment to contemporary versions of Judaism as “civilization” and “cultural” and “humanistic” Judaisms.

Readings will include selections from Baruch Spinoza, Moses Mendelssohn, Saul Ascher, Salomon Maimon, Simon Dubnow, Theodor Herzl, Mordecai Kaplan, Horace Kallen, Sherwin Wine, Alan Dershowitz, and others.

Note: Offered by the Divinity School as 3659.

[Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period]

Catalog Number: 2424

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3669.

Cross-listed Courses

[Hebrew 150a. Introduction to Rabbinic Literature]

[Hebrew 150b. Introduction to Rabbinic Literature]

[Hebrew 153. Midrash Seminar]

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages]

[Hebrew 178. Mishnah and Tosefta]

[Jewish Studies 122. Introduction to Rabbinic Literature]

Greek, Hellenistic, Roman

Cross-listed Courses

Greek 106. Greek Tragedy

Literature and Arts C-14. The Concept of the Hero in Greek Civilization

Primarily for Graduates

Religion 2348ab. Archaeology and the World of the New Testament: Seminar

Catalog Number: 4069 Enrollment: Limited to 12.

Helmut H. Koester (Divinity School) and David Gordon Mitten

Full course (spring term). F., 2–5. EXAM GROUP: 7, 8



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: 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

Helmut H. Koester (Divinity School)

Half course (fall term). Th., 3–5, and one hour to be arranged. EXAM GROUP: 17, 18

This course will introduce the students to a critical study of the Gospels, the Epistles, the Acts of the Apostles, and the Book of Revelation. It will pay special attention to the literary genres used by the first Christians, the historical environment and the religious content of these documents.

Note: Offered jointly with the Divinity School as 1202.

Religion 1412. Christian Lives

Catalog Number: 4544

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). W., 4–6. EXAM GROUP: 9

Beginning with its Founder, Christianity has always been a religion that makes its message known through personality. In this course we will 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 will include St. Augustine, St. Teresa of Avila, St. Francis of Assisi, Martin Luther, Roger Williams, and Ann Hutchinson. We will then consider such modern representatives as Aimey Semple McPerson, Dietrich Bonhoeffer, Simone Weil, Martin Luther King, Jr., and Dorothy Day. Through frequent short reports students will be encouraged to study these figures in their socio-cultural contents, and to look for parallels to their own.

Note: Offered by the Divinity School as 2509.

[Religion 1414. Gospel Stories of Women]

Catalog Number: 6902

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). Hours to be arranged.

This course will introduce a critical feminist rhetorical reading of various gospel texts. Special attention will be given to the significance of social location, critical methods, and historical imagination for biblical interpretation. Discussions will focus on hermeneutical-theological questions and their consequence for contemporary religious self-understandings and ministerial



praxis. Lectures, group discussions and group projects seek to foster a participatory democratic style of learning.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 1503/ 2557.

Prerequisite: Religion 1415 or equivalent.

[Religion 1416. Feminist Biblical Interpretation]

Catalog Number: 3002

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged.

This course will give a basic introduction to the emerging field of feminist biblical studies by discussing different hermeneutical approaches, methods of interpretation, and theoretical perspectives. Special attention will be given to historical interpretation and the significance of feminist hermeneutics for contemporary theological reflection and education for ministry.

Lectures, group discussions, and presentations seek to foster a participatory style of learning.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 1504/2558.

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). W., 1–3. EXAM GROUP: 6, 7

This course introduces students to select theological and historical materials of ancient Christianity from the first to fourth centuries. Particular attention will be given to setting out the diversity of Christian ideas and practices, the invention of orthodoxy, and the processes of Christian identity formation within the social and political context of the Roman empire.

Note: Offered by the Divinity School as 1260/2145.

[Religion 1421. The Gospel of Luke]

Catalog Number: 8662

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

A literary, historical, and theological interpretation of some chapters of the Greek text of Luke's Gospel. Exegetical discussion will focus on Luke's style, art of composition, and sources, as well as his situation in the history of Christianity. Late Antique Christianity and Reformation interpretations of Luke will be compared from time to time with the work of modern exegetes.

Note: Expected to be given in 2004–05. Offered jointly with the Divinity School as 1511.

Prerequisite: One year of Greek.

[Religion 1423. First Images of Christ—Earliest Christologies of the New Testament]

Catalog Number: 8983

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

The course will discuss the earliest forms of christology and their history. Starting from the Jewish messianic expectations of the first century C.E., it will investigate the prophetic perspective of Jesus and christological concepts of the first Christian congregations.

Note: Expected to be given in 2005–06. Offered jointly with the Divinity School as 1479.

Prerequisite: Introduction to the New Testament or equivalent.



[Religion 1424. The First Epistle to the Corinthians]

Catalog Number: 1514

François Bovon (Divinity School)

Half course (spring term). Hours to be arranged.

This course will focus on Paul's historical and theological argument through a careful reading of the Greek text. An attempt will be made to reconstruct the social setting of the first Christian community in Corinth. Course may be elected as the equivalent of the fourth semester of Greek.

Note: Expected to be given in 2003–04. Offered by the Divinity School as 1521

Prerequisite: One and one-half years of Greek.

[Religion 1426. The Apocryphal Jesus and the Noncanonical Apostles: Introduction to Ancient Christian Apocryphal Literature]

Catalog Number: 8930

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

This course will begin by exploring the field of non-canonical gospels, particularly Greek fragments of lost Gospels, then devote a longer time to the apocryphal acts of the apostles, particularly to the *Acts of Philip*, and conclude by reading the *Apocalypse of Peter* and the *Apocalypse of Paul*. Course HDS 1874 is intended to act as a sequel to this course.

Note: Expected to be given in 2003–04. Offered jointly by the Divinity School as 2130.

[Religion 1427. The Origins of Gnosticism and the Identity of Christianity]

Catalog Number: 3574

Karen L. King (Divinity School)

Half course (fall term). Hours to be arranged.

This course will introduce students to critical issues concerning the identity of Christianity, including the problem of the origins and definition of Gnosticism, describing the diversity of ancient Christianities, defining orthodoxy and heresy, and discussing practices of syncretism and discourses of anti-syncretism. It will also introduce students to the analysis of select primary literature, including "The Gospel of Thomas", "The Gospel of Mary", "The Gospel of Truth", "The Apocryphon of John", and "The Hypostasis of the Archons".

Note: Expected to be given in 2003–04. 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. Constanas (Divinity School)

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course is an introduction to patristic theology through the work of Basil of Caesarea, Gregory Nazianzus, and Gregory of Nyssa. From the eastern province of Cappadocia, these fourth-century thinkers are among the most important theologians of Christian antiquity. Their major works will be studied in English translation and organized around the following themes: 1) Trinitarian theology and the ontology of personhood; 2) creation and cosmology; 3) anthropology, gender, and eschatology; and 4) asceticism and spirituality.

Note: Offered jointly by the Divinity School as 2581.



Religion 1432. Theology of the Icon

Catalog Number: 2091

Nicholas P. Conostas (Divinity School)

Half course (spring term). Tu., Th., 3–4:30. EXAM GROUP: 17, 18

Historical and systematic introduction to the icon as both theological category and liturgical/devotional artifact through lectures, readings, slides, and museum visits. The history of the icon will be traced from Greco-Roman Egypt to the pop-icons of Andy Warhol, with special attention to medieval icons and their viewers. Theological themes include creation and incarnation, modes of presence and relation, the production of sacred space and perspective, and the role of women in the struggle against Byzantine Iconoclasm. Ancient sources range from John of Damascus, Theodore the Studite, and iconophile hagiography, to the proceedings of the Seventh Ecumenical Council. Modern theologies of the icon will also be surveyed through the work of Florensky, Evdokimov, and Lossky, along with Levinas' conceptualization of the face and Marion's distinction between the icon and the idol.

Note: Offered jointly by the Divinity School as 2582.

[Religion 1434. History of Western Christianity, 300-1100]

Catalog Number: 5783

Kevin Madigan

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. Offered jointly by 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). Hours to be arranged.

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: Expected to be given in 2003–04. Offered jointly by the Divinity School as 2250.

Religion 1441. Religious Reforms in Early Modern Europe

Catalog Number: 9762

David D. Hall (Divinity School)

Half course (spring term). Tu., Th., 9–10:30. EXAM GROUP: 11, 12

This course explores some shifts in religious thought that helped bring about the Protestant and Catholic Reformations of the sixteenth century. Issues will include: the limits of secular jurisdiction in religious affairs; the authority of scripture relative to tradition (and vice versa); periodization in church history and the idea of a Patristic “golden age”; and the practical possibility of radical change in the light of a community's need for stability in worship. Readings from Luther, Calvin, Tyndale, Menno Simons, and Ignatius Loyola, plus secondary studies.

Note: Offered jointly by the Divinity School as 2283.



Religion 1443. Christianity from the Reformation to the Twentieth Century

Catalog Number: 9902

David D. Hall (Divinity School)

Half course (spring term). M., W., at 9. EXAM GROUP: 2

A survey of ways in which the various constituencies that make up the Christian tradition have reacted and adapted to cultural changes in the past half millennium. Beginning with the invention of printing and the emergence of humanism, we will look at ways in which new forms of study influenced the shaping of the various Protestant confessions. The Thirty Years War and the rise of skeptical and rationalist schools of philosophy were mirrored in new waves of polemical theology and apologetics, while Enlightenment challenges to “superstition” spurred new attempts at “rational religion” as well as defenses of revelation.

Note: Offered jointly by the Divinity School as 2281.

Religion 1465. Liberalism and Orthodoxy, 1600–1870

Catalog Number: 0833

David D. Hall (Divinity School)

Half course (fall term). Tu., Th., at 9 with an additional hour to be arranged. EXAM GROUP: 11

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: 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 (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. 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 2004–05. 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 (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. 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 1475. Christian Social Ethics: Seminar]

Catalog Number: 2905

Ralph B. Potter (Divinity School)

Half course (spring term). Hours to be arranged.

Introduction to the major alternative modes of thought and action by which Christians have sought to express concerns for social and political issues. Stress put on the social dimension of Christian ethics with attention to the behavioral sciences and philosophy. Historical, descriptive, and normative in character.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2711.

[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 U.S. (motion picture censorship, for example, the anti-abortion debate).

Note: Expected to be given in 2003–04. Offered jointly by 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). W., 3–5. EXAM GROUP: 8, 9

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: Offered jointly by the Divinity School as 2309.

[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), this course covers four current efforts to reclaim his significance: 1) the new search for the “historical Jesus,” especially the Jesus Seminar and its critics; 2) emerging Asian, African, and Latin-American Christian views of Jesus; 3) recent interpretations of Jesus in such non-Christian faiths as Judaism, Islam, Buddhism, and Hinduism; and 4) images of Jesus in music, film, and literature.

Note: Expected to be given in 2003–04. 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). M., W., at 11. EXAM GROUP: 4

This course surveys some of the best work on feminism and Christianity to date, and analyzes its effect on the contemporary task of systematic theology. A course suitable for both those with no previous knowledge of feminist theology, and for those with a good background in this field, the early lectures give some telling examples of how feminist insights have shifted the ground of discussion in biblical exegesis, in patristics, and in medieval church history and spirituality. We shall also look briefly at the construction of ideas of “femininity” in Enlightenment philosophy and theology, which provides the historical backcloth against which a range of contemporary feminist theologies (both Christian and post-Christian) may be discussed and analyzed in later lectures.

Note: 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 will analyze different approaches to Christian theology as evident in classic, modern, and contemporary theological texts.

Note: Expected to be given in 2003–04. 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). Hours to be arranged.

A survey of contemporary Roman Catholic theology that discusses issues in the interpretations of God, Jesus, and the church with reference to theological method. The broad spectrum of



present-day Roman Catholic theology will be covered through an analysis of diverse theologians and approaches: existential, transcendental, liberationist, feminist, analytical, and hermeneutical. *Note:* Expected to be given in 2003–04. Offered jointly with the Divinity School as 2479.

[Religion 1494. Feminist Theory and Theology: Seminar]

Catalog Number: 1430 Enrollment: Limited to 12.

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). Hours to be arranged.

The seminar explores the intersections of feminist theory with feminist theologies and gender studies in religion. This semester's discussions will focus on feminist *political* theories and their implications for the articulation of a critical feminist political theology and spirituality.

Note: Expected to be given in 2003–04. Offered jointly by the Divinity School as 2689.

Religion 1497. Christianity and Culture: Symbols of Grace and Violence in American Religious Literature: Seminar

Catalog Number: 9579

Courtney Bickel Lamberth

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

This seminar approaches the interconnected themes of violence, rebellion and divine grace in selections of American literature through the lens of the classic Christian theories of freedom and grace that ground and inform them. The seminar begins with close reading of selections from Augustine's *Confessions*, John Calvin's *Institutes*, Jonathan Edwards' *Religious Affections*, and selected essays by Emerson. The seminar then turns to several genres of American literature, including Melville's *Moby Dick*, Flannery O'Connor's *Wise Blood*, Martin Luther King's essays and sermons, and Annie Dillard's non-fiction.

Note: Offered jointly by the Divinity School as 2464.

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 2426. Editing Greek Christian Literature: Seminar]

Catalog Number: 9005

François Bovon (Divinity School) and John Duffy

Half course (spring term). Hours to be arranged.

This seminar, led jointly by François Bovon and John Duffy of the FAS Classics Department, will explore the several step preparation of a scholarly text edition. The introductory sessions will focus on heuristic questions: how to track down manuscripts of authors and individual works; how to find library catalogs and descriptions; how to obtain copies of documents. The rest of the course will be devoted to a hands-on exercise in editing and translating one or more short Greek Christian texts, particularly apocryphal texts.



Note: Expected to be given in 2003–04. Offered jointly with 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). Th., 4–6. EXAM GROUP: 18

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: 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). W., 10–12. EXAM GROUP: 3, 4

The course will examine 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. The focus will turn to a range of contemporary defenses and critiques of the doctrine, both theological and philosophical, but with particular reference to feminist assessments of the idea of perfect divine relationship in God. Throughout the course, efforts will be made to highlight how doctrinal expression, “spirituality”, and attitudes to sexuality may hang together in visions of God-as-Trinity.

Note: 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

Half course (fall 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: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2634.

[Religion 2490. Philosophy, “Religious Experience,” and Feminist Critique: Conference Course]

Catalog Number: 5297 Enrollment: Limited to 30.

Sarah Coakley (Divinity School)

Half course (fall term). Hours to be arranged.

This course will examine the notion of “religious experience” as it has been constructed and utilized in different schools of 20th-century philosophy of religion, and then subject the notion to feminist analysis. We shall ask to what philosophical purposes “religious experience” has been put: as a justificatory tool in evidential arguments for theism, as an organizing concept for certain intense psychological states, or as a means for counting theistic belief as “properly basic.” We shall also consider philosophical reasons for being suspicious of evidential appeals to discrete “religious experiences.” Drawing on recent work in feminist epistemology, as well as a number



of test cases from the history of “female mysticism,” we shall expose the gender dimensions of these various philosophical accounts of intimacy with the divine.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2647.

Prerequisite: Graduate work in philosophy and theology.

Religion 2492. Christology: Ancient, Modern, and Contemporary

Catalog Number: 8450

Sarah Coakley (Divinity School)

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

This lecture course will offer: an examination of formative christological developments in the patristic period, focusing on interpretational problems with the *Definition of Chalcedon* (451); an analysis of the fate of Antiochene/Alexandrian emphases in christology including a discussion of various understandings of “communications of idiom” in Greek, Scholastic, and Protestant thought; consideration of post-Enlightenment and contemporary assessments of Chalcedonianism including recent feminist and liberationist reappraisals.

Note: Offered jointly with the Divinity School as 2643.

Prerequisite: Graduate work in theology or philosophy.

Cross-listed Courses

***History of Science 207r. Medieval Science: Seminar**

***History of Science 295r. Critical History: Foucault**

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

Karen L. King (Divinity School) 4217

Half course (throughout the year). Alternate W., 3–5.

Topic for 2002-03: Rethinking approaches to early Christianity with special focus on second and third century Coptic literature. The course will explore the impact of late 20th century critiques of the framework and methods of historical-criticism and the impact of the discovery of the Nag Hammadi collection on the historiography of early Christianity.

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 (formerly *Religion 3490). Colloquium in Theology**

Catalog Number: 6295

Sarah Coakley (Divinity School) 1873 and the members of the Faculty

Half course (throughout the year). W., 3–5. EXAM GROUP: Spring: 8, 9

This course will have two (interleaved) dimensions to it. Seven sessions, spread throughout the year, will be devoted to the topic of: gift and gift-giving: utilizing philosophical, theological, and historical approaches. Other sessions, again spread throughout the year, will be given over to



discussion sessions on doctoral thesis in progress, or other work by faculty or invited guests. *Note:* This colloquium is a central vehicle of doctoral education in theology, and is composed of all faculty members, doctoral candidates and ThM students in the Theology Department. (Doctoral students in related fields should consult with the department chair concerning participation.) Central figures and recurrent issues in theology and philosophy of religion are considered. Participation in the colloquium is required of all theology doctoral candidates (including affiliated doctoral candidates) while in residence, with the exception of the semester in which they write General Examinations. Requirements for written work may differ for pre- and post-Generals students. Offered jointly with the Divinity School as 2696.

Modern Western

For Undergraduates and Graduates

[Religion 1500. “Losing my Religion”: Religious Experience in the Modern West]

Catalog Number: 4269

Kimerer LaMothe

Half course (spring term). Hours to be arranged.

Why religion? Why does religion persist in contemporary western civilization where what counts as “truth” and “knowledge” is largely determined by scientific rationality? This course reads classic texts in modern western theology and philosophy written by Christian and Jewish authors in response to the question: what is religious experience and what does it offer human life? Responses considered range from “nothing,” mere illusion, and patriarchal oppression, to prophetic insight, healing power, existential meaning, indescribable passion and infinite love. Readings may include: Kierkegaard, Marx, Freud, M.B. Eddy, Buber, Tillich, Daly, Levinas, and Kristeva.

Note: Expected to be given in 2003–04.

Religion 1501 (formerly Religion 1549). Acts of Imagination: Theories of Religion and Art in the Modern West

Catalog Number: 6267 Enrollment: Limited.

Kimerer LaMothe

Half course (fall term). Tu., 2–4 and one hour to be arranged. EXAM GROUP: 16, 17

How have philosophers, theologians, and artists in the modern west conceived the relationship between religion and art? We discuss: imagination and soul; the vocation of the artist; art as symbol, revelation, religious practice; uses of “oriental” and “primitive” materials; the influence of capitalism on making art. Readings may include: Kant, Novalis, Schopenhauer, Kierkegaard, Freud, Adorno, Kandinsky, van der Leeuw, Heidegger, Langer, Artaud, Graham, Benjamin, Kristeva, Taylor. We also sample representative works of art.

[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 2003–04. Offered jointly by the Divinity School as 2315.



[Religion 1509. Divining Imagination: Seminar]

Catalog Number: 7918

Courtney Bickel Lamberth

Half course (fall term). Hours to be arranged.

With the early Romantics, the human imagination emerges as a locus for divine revelation and religious encounter. The poet especially becomes a prime agent of religious discovery and innovation. This course considers key conceptions of the imagination in relation to divine and human creativity and artistic genius. Authors may include: Novalis, Schelling, Wordsworth, Coleridge, Emerson, Goethe, Schleiermacher, and Kant.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2463.

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 one hour to be arranged. EXAM GROUP: 4

An exploration of the intellectual and institutional history of America's oldest college through the examination of four pairs of its 27 presidents. Among themes to be considered are European antecedents, developments in faculty, governance, and curriculum, as well as the maturation of the built environment. Significant attention will be paid to the evolution of the religious context of the school, including the practice of and instruction in religion, and the challenges of secularism and pluralism.

[Religion 1514. Method and Theory in the History of Christianity: An Introduction to Interpretive Issues]

Catalog Number: 6685 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (spring term). Hours to be arranged.

An introduction to historiography—the interpretive literature of the history of Christianity in Europe and North America—from as it has evolved from the late nineteenth century to the present. Topics include the transition from “church history” to “religious culture,” the “invention of tradition” within religious history, the “Americanization” of Christianity in the new world, and the interplay between “state” churches or “civil religion” and sectarian or “outsider” movements.

Note: Expected to be given in 2003–04. Offered jointly by the Divinity School as 2392.

Religion 1515. Religion and Culture in 19th-Century America and Europe: Seminar

Catalog Number: 4488 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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: 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). M., W., at 10 and an hour to be arranged. EXAM GROUP: 3

General introduction to hermeneutical theory. A survey of the development from classical to modern and contemporary hermeneutics. Examines the influence of contemporary hermeneutical theory upon the interpretation of biblical texts, the diverse conceptions of theology, and the explication of key theological categories such as revelation, experience, method, foundations, classics, community, and practice.

Note: Offered jointly with the Divinity School as 2410.

[Religion 1525. Radical Movements in Modern America]

Catalog Number: 3935

David D. Hall (Divinity School)

Half course (spring term). Hours to be arranged.

A survey and close analysis of radical movements in 20th-century America, with particular attention to the problem of means and ends as it has been posed within the Old Left (Socialist and Communist) and the New (Students for a Democratic Society), within movements to confront war and racism (pacifism, nonviolence, and SNCC), and within anarchist and Christian perfectionist communities (e.g., the Catholic Workers).

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2302.

[Religion 1526. Religion in America from c. 1865 to the 1970s]

Catalog Number: 8025

Robert A. Orsi (Divinity School)

Half course (fall term). Hours to be arranged.

A survey of the history of American religions from the end of the Civil War to the 1970s. Topics include the religious worlds of immigrants and migrants (including the “new immigrations” of the mid-1960s); religion and race; the emergence of new religious idioms (such as Pentecostalism) and the reformulation of more established traditions in response to the challenges and conditions of modern culture (e.g., the changing intellectual landscape of American Catholicism in the 1960s), religious constructions of important social and moral issues (e.g., abortion and workers’ rights), the religious response to urbanization and suburbanization, and religion and gender.

Note: Expected to be given in 2003–04. Offered jointly by the Divinity School as 2304.

Religion 1528. Globalization and Human Values: Envisioning World Community

Catalog Number: 4705

Brian C. W. Palmer

Half course (spring term). M., W., at 3 and a weekly section to be arranged. EXAM GROUP: 8

Are we witnessing the emergence of a world community? How and by whom are pan-human solidarities imagined, symbolized, and contested? We examine the seedlings of a global civil religion in practices ranging from war-crimes tribunals to CNN broadcasts. The course draws up on ethnographic and cinematic accounts -- as well as in-class interviews with relevant experts -- to understand the history of worldwide convergences, the rites and identities of today’s global citizens, and the possibilities for utopian or dystopian futures.



[Religion 1529. Personal Choice and Global Transformation]

Catalog Number: 2866

Brian C. W. Palmer

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

[Religion 1530r. Religious Values and Cultural Conflict: Seminar]

Catalog Number: 6858 Enrollment: Limited to 15.

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Hours to be arranged.

By reading a number of recent novels and reflecting on both their content and their sometimes controversial reception this course will examine how conflicting theological, cultural, and ethical values find expression. The works considered are *Charming Billy* by Alice McDermott, *The God of Small Things* by Arundhati Roy, *The Beauty of the Lilies* by John Updike, *Children of Men* by P.D. James, *Satanic Verses* by Salman Rushdie, *Left Behind* by Tim LaHaye and Jerry B. Jenkins, *Jazz* by Toni Morrison, and *Lying Awake* by Mark Salzman.

Note: Expected to be given in 2003–04. 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 2003–04. Offered jointly by the Divinity School as 2633.

Religion 1539. Nietzsche and Religion: Seminar

Catalog Number: 8102 Enrollment: Limited.

Kimerer LaMothe

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

How are we to understand the cry of Nietzsche’s madman: “God is dead. God remains dead. And we have killed him”? This course conducts close readings of Nietzsche’s texts with an eye to understanding his critique of religion—Christianity in particular—and the relationship of this critique to other ideas within his work, including his notions of eternal recurrence, the will to power, the affirmation of life, and the transvaluation of all values. This course will allow students to interrogate popular interpretations of Nietzsche as a nihilist, misogynist, relativist elitist, and decide for themselves why he has proved such a compelling and provocative voice in



western culture since his death in 1900.

Prerequisite: Coursework in philosophy or theology.

[Religion 1541. Kant and Kierkegaard]

Catalog Number: 7694 Enrollment: Limited to 12.

David Lamberth (Divinity School)

Half course (fall term). Hours to be arranged.

A close reading of selected major works of Kant and Kierkegaard. The seminar will focus on issues such as the nature and limits of reason, the concepts of freedom and morality, and the relationship between reason and faith.

Note: Expected to be given in 2003–04. Offered jointly by the Divinity School as 2670.

[Religion 1548. Religion and the Performing Arts: The Case of American Modern Dance: Seminar]

Catalog Number: 3603 Enrollment: Limited to 15. Preference given to concentrators.

Kimerer LaMothe

Half course (fall term). Hours to be arranged.

Can categories of religious studies—such as ritual, practice, play, performance—help us understand the impact of contemporary performing arts on artists and audiences alike? What is the relationship between religion and art? Between the sacred and the beautiful? Beginning with an exploration of some theoretical perspectives on religion and the performing arts (e.g., Nietzsche, Kandinsky, Artaud; the Turners, Schechner, Blacking, and Hanna), this seminar will examine the case of American modern dance. We will examine claims made for dance by artists, critics, and scholars alike, and assess the usefulness of religious studies in explaining the power of nonverbal aesthetic experience.

Note: Expected to be given in 2003–04. Field trips dependent on local concert schedules.

Prerequisite: One course in the modern West.

Cross-listed Courses

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). Hours to be arranged.

Focuses on the relationship between concepts of piety and concepts of femininity in the development of American culture. Assesses both the role of gender in shaping American religious history and the impact of religion on gender norms. Women's experience will be explored in Protestant, Catholic, and Jewish, and North American groups, as well as among theologically and institutionally innovative groups such as in Shakerism and Christian Science.

Note: Expected to be given in 2003–04. 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 (spring term). Hours to be arranged.

The special focus of this course will be the writings of Max Weber together with the reactions of his critics and defenders. Relevance to current topics of concern, such as “secularization,” “religious nationalism,” and “cultural relativism” will be examined. Some attention will be devoted to the “theoretical reference points” of these thinkers, such as Marx, Nietzsche, and Dilthey.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2813.

[Religion 2550. Women and Religion in Contemporary America: Seminar]

Catalog Number: 8927 Enrollment: Limited.

Ann D. Braude (Divinity School)

Half course (spring term). Hours to be arranged.

Post World War II America has witnessed dramatic changes in the roles and experience of women, as well as significant shifts in the role of religion in shaping public values, personal identity, and group affiliations. This course will examine the points of intersection between these two fundamental shifts in American social life across a spectrum of religious communities. We will survey responses to the changing roles of women both among groups that have embraced feminism and among those that view feminism as antithetical to religious values. We will explore debates and concerns leading to the ordination of women, the revision of prayer books, liturgies, language and policies, as well as debates and initiatives leading to the reassertion of traditional gender roles or to new models of family based on male headship.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2328.

Graduate Courses of Reading and Research

***Religion 3505hf. Colloquium in American Religious History**

Catalog Number: 6445 Enrollment: Limited to 25.

David D. Hall (Divinity School) 2510, William R. Hutchison (Divinity School) 4061, and Robert A. Orsi (Divinity School) 4242 (on leave spring term)

Half course (throughout the year). Alternate Tu., 7:30–9:30 p.m.

Presentation and discussion of the research of doctoral candidates in American religious history.

Note: Open, with instructor’s permission, to doctoral students in other fields of religious studies or American studies. Offered jointly with the Divinity School as 2390.

Islamic

For Undergraduates and Graduates

[Religion 1551. For the Love of God and His Prophet: Literary and Artistic Expressions of Muslim Devotional Life: Seminar]

Catalog Number: 0110 Enrollment: Limited to 20.

Ali S. Asani

Half course (spring term). Hours to be arranged.

Designed as an introduction to Islam, this course focuses on literature and the arts (poetry, calligraphy, dance, music, drama, and architecture) as expressions of Muslim devotion, as well



as their role in worship and liturgy. An important aim of the course 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 2003–04. 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). Th., 3–5. EXAM GROUP: 17, 18

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: 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). Hours to be arranged.

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: Expected to be given in 2003–04. 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). Th., 1–4. EXAM GROUP: 15, 16

This course will explore some of the major issues and debates in relation to feminism and women in Islam in historical overview from a post-colonial perspective. Thus, as we explore these issues and debates, we will also be examining the methods, tools and assumptions forming the grounds of our studies, including in particular issues of Orientalism, colonialism and feminism in the construction of the religions/cultures of Others. Subsequent topics include an examination of some contemporary feminist readings of early Islam and exploration of women in Sufism and lived religion.

Note: Offered jointly by the Divinity School as 3604.

Cross-listed Courses

[Arabic 140. The Qur'an]

[Arabic 141. Introduction to the Hadith]



[Arabic 250r. Arabic Theological Texts: Seminar](#)
[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)
[History 1889. Transmission of Traditional Islamic Learning in the Middle East from the Beginning of Islam to the Present](#)
[Islamic Civilizations 145. Islamic Philosophy and Theology](#)
[*Islamic Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar](#)
[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam](#)

Hindu

For Undergraduates and Graduates

Religion 1600. Introduction to the Hindu Traditions of India

Catalog Number: 9700

Anne Elizabeth Monius (Divinity School)

Half course (fall term). M., W., at 11 and a one hour section to be arranged. EXAM GROUP: 4

An introduction to the many distinct yet interrelated religious traditions of South Asia that are often labeled “Hinduism”. This course considers the ways in which Hindus from a variety of historical time periods, local traditions, and social backgrounds have attempted to make sense of their world and their lives within it.

Note: Offered jointly with the Divinity School as 3404.

Religion 1625. Indian Religions Through Their Narrative Literatures

Catalog Number: 9890

Anne Elizabeth Monius (Divinity School)

Half course (spring term). M., W., at 10 and one hour to be arranged. EXAM GROUP: 3

An examination of the religious traditions and communities of South Asia through the stories they tell. This semester’s focus will be the epics—the Mahabharata and the Ramayana—in their numerous textual, regional, sectarian, and performative tellings. This course will explore the many ways in which the epics have remained enduring sites for theological, ethical, and political reflection in South Asia.

Note: 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). Tu., 1–3. EXAM GROUP: 15, 16

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, epic narrative, devotional poetry, and modern ethnography, but emphasis will be placed throughout upon the particularity of different Hindu visions of the ideal human life.

Note: Offered jointly with the Divinity School as 3404.



Religion 1650. Modern Hindu Movements: Seminar

Catalog Number: 5120

Diana L. Eck

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

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: Offered jointly by 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.

In this course, we will study selected theories, texts, and practices that have shaped and are continuing to shape the study of Hindu traditions. We will pay particular attention to how the various topics that have been chosen for study by scholars have been constituted, selected, and used to shape our understanding of Hinduism.

Note: Expected to be given in 2003–04.

Cross-listed Courses

Foreign Cultures 12. Sources of Indian Civilization

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

Primarily for Graduates

Cross-listed Courses

Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar

For Graduates

[*Religion 3601. Readings in Hindu Myth, Image, and Pilgrimage: Seminar]

Catalog Number: 3998

Diana L. Eck 4514

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 2003–04. Offered jointly with the Divinity School 3869.

Buddhist

For Undergraduates and Graduates



[Religion 1700. Introduction to Buddhism]

Catalog Number: 3486

Karen Anne Derris

Half course (spring term). Hours to be arranged.

This course will consider the variety of ways that Buddhists have defined, and engaged with the “three jewels” of Buddhism: the Buddha, the Dharma (the teaching), and the Sangha (the Buddhist community). Using this framework we will examine doctrine, practice, and culture in different parts of the Buddhist world in a variety of historical periods and consider the many ways people have lived and continue to live as Buddhists.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3231.

Religion 1704. South Asian Buddhism: Studies in Indian Buddhism

Catalog Number: 9467

Parimal G. Patil

Half course (spring term). Th., 4–6. EXAM GROUP: 18

How is it that we know what it is we know about Buddhism in India? In this course, we will 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: Offered jointly with the Divinity School as 3531.

Religion 1705. Tibetan Religions

Catalog Number: 7192

Janet Gyatso (Divinity School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: Offered by the Divinity School as 3563.

[Religion 1706. South Asian Buddhism: Dharmas, Emptiness, and Idealism]

Catalog Number: 9464

Parimal Patil

Half course (fall term). Hours to be arranged.

A close and contextual reading of primary sources, in translation, on Abhidharma, Madhyamaka, and Yogacara Buddhism.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3536.

Prerequisite: Coursework in Buddhist Studies, South Asian Religions, or Philosophy.

[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 2003–04. 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 literary and autobiographical writings from several Buddhist traditions. In each instance the task will be to discern the bases of key ethical principles, with particular attention to the definition of the self, the grounds for human relationships, and the question of why one cares for others. Some works of contemporary western philosophical ethics will also be read in order to elaborate further distinctions and to consider the relevance of the Buddhist material for contemporary ethical issues.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3888.

[Religion 1712. Readings in Tibetan: Medical and Monastic Writings]

Catalog Number: 8995

Janet Gyatso (Divinity School)

Half course (fall term). Hours to be arranged.

A close reading of sections of the root Tibetan medical text and early commentaries that pertain to the relation of sex to gender and other issues about bodily practice and function. This will be followed by the study of monastic writings with comparable or contrasting concerns as found in Tibetan commentaries on the Vinaya from the same period.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3567.

Prerequisite: Some reading knowledge of classical Tibetan required.

Religion 1720. Buddhist Literary Imaginations

Catalog Number: 5672

Karen Anne Derris

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

In this seminar we will examine how Buddhism is imagined and constructed in literary worlds emerging from both within and outside of Buddhist traditions. We will read Buddhist narratives in a variety of genres (biographies, chronicles, scriptures, and travel logs.) We will also dedicate ourselves to reading modern fiction from around the world about Buddhism in order to consider the importance of literature for understanding Buddhist social and historical realities.

Note: Offered by the Divinity School as 3894.

Religion 1723. Buddhist Heroes and Villains: Seminar in Buddhist Ethics

Catalog Number: 2755 Enrollment: Limited to 15.

Karen Anne Derris



Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

In this seminar we will construct a Buddhist virtue theory through examining ethical ideals for and threats to an ethical life. We will consider how Buddhist traditions negotiate who is a virtuous person and who is an ethical failure. Through our examination of narrative texts, manuals for practice, and philosophical texts, we will consider the positive and negative models that constitute Buddhist conceptions of the virtuous life.

Note: Offered by the Divinity School as 3893.

[Religion 1724. The Genre of Biographical Narrative in Buddhist South and Southeast Asia: Seminar]

Catalog Number: 2219 Enrollment: Limited to 15. Preference to undergraduate concentrators.

Karen Anne Derris

Half course (fall term). Hours to be arranged.

The genre of biographical narrative is central to the ritual, didactic, and ethical life of Buddhists. These compelling stories offer their audiences—both historical and present day readers—critical resources for understanding and interpreting the Buddhist world. This seminar will consist of a close reading of a broad range of biographical literature from South and Southeast Asia, including biographies of the Buddha and bodhisattvas, of monks, nuns, laity, even biographies of images and relics. How do the representations of life stories figure in conceptions of ethical and historical ideals? What is the relationship between the biographical genre and Buddhist notions of history as exemplified in Buddhist chronicles? How have the responses of diverse readers of these texts shaped their sense of self and their relationships to others?

Note: Expected to be given in 2003–04.

Prerequisite: Prior coursework in Buddhist studies recommended.

Religion 1725. Buddhism and Social Change: Seminar

Catalog Number: 4517 Enrollment: Limited to 15.

Christopher S. Queen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

A survey of Buddhist social teachings, this course examines the evolution of central concepts (impermanence, selflessness, suffering), ethical styles (discipline, virtue, altruism, engagement), and themes (peace, justice, gender, ecology) in Asia and the West. Representative figures and movements in the rise of socially engaged Buddhism since the 19th century will be considered.

Note: 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). Hours to be arranged.

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: Expected to be given in 2003–04. Separate requirements for undergraduate and graduate students. Knowledge of Asian Buddhism is desirable. Offered jointly with the Divinity School as 3851.

[Religion 1750. Philosophy of Religion: Religious Epistemology]

Catalog Number: 9826

Parimal G. Patil

Half course (spring term). Hours to be arranged.

In this course, we will discuss the following topics in the philosophy of religion: (1) Reformed Epistemology; (2) Virtue Epistemology; (3) The Epistemology of Religious Experience; (4) Proper Function; and (5) Buddhist Epistemology.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 2675.

Prerequisite: Previous coursework in Philosophy or Theology.

Primarily for Graduates

[Religion 2705. Buddhist Monastic Law]

Catalog Number: 9379

Janet Gyatso (Divinity School)

Half course (spring term). Hours to be arranged.

A close look at Buddhist monastic law, discipline, and community, based on Vinaya texts and social history. Ability to work in some primary Asian language or Christian source (for purposes of comparison) is required.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3891.

[Religion 2760. Philosophy in India: Momentariness and its Critics]

Catalog Number: 9484

Parimal G. Patil

Half course (fall term). Hours to be arranged.

This course will focus on the Buddhist theory of momentariness (*kāsanikatva*). After discussing its history in India, we will read, in translation, Ratnakīrti's account of it in both parts of his *Kṣanabhaṇāgasiddhi* and discuss a number of non-Buddhist criticisms of it. *Prerequisite:* Advanced coursework in Buddhist Studies, Philosophy, Sanskrit, or Theology.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3897.

Cross-Listed Courses

[East Asian Buddhist Studies 114. The Mahāyāna 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](#)

[\[Tibetan 108 \(formerly Tibetan 106\). Buddhism in Tibet: Traditional Learning and the Experience of Enlightenment\]](#)



Chinese and Japanese

Cross-listed Courses

[Chinese History 240r. Readings in Chinese Intellectual History]
[Chinese History 251. Confucian Ethics: Conference Course]
[Chinese Literature 208. Readings in Buddhist *Bianwen* and Related Dunhuang Materials]
[Historical Study A-13. China: Traditions and Transformations](#)
[Historical Study A-14. Japan: Tradition and Transformation]
[History of Art and Architecture 284. The Numinous in Medieval Chinese Art](#)
[Japanese History 116a. History of Japanese Religions: Conference Course]
[Japanese History 116b. History of Japanese Religions: Conference Course](#)
[Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community]

Graduate Courses of Reading and Research

Graduate Courses of Reading and Research

***Religion 3000. Direction of Doctoral Dissertations**

Catalog Number: 1933

Ali S. Asani 7739, François Bovon (Divinity School) 3551, John B. Carman (Divinity School) 1284, Sarah Coakley (Divinity School) 1873, Nicholas P. Conostas (Divinity School) 2352, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health and Divinity School) 1670, Diana L. Eck 4514, James Engell 8076 (on leave spring term), Francis Fiorenza (Divinity School) 2735, Robert M. Gimello 9240, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243 (on leave fall term), David D. Hall (Divinity School) 2510, Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, Albert Henrichs 4085, William R. Hutchison (Divinity School) 4061, Helmut H. Koester (Divinity School) 3477, James L. Kugel 7575 (on leave fall term), David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave spring term), Everett I. Mendelsohn 2700, David Gordon Mitten 1290, Anne Elizabeth Monius (Divinity School) 4489, Roy Mottahedeh 1454, Tomás Ó Cathasaigh 1224, Ralph B. Potter (Divinity School) 1046, Elisabeth Schüssler Fiorenza (Divinity School) 3193, P. Oktor Skjaervo 2869, Lawrence E. Sullivan (Divinity School) 2653, Stanley J. Tambiah 4692, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233 (on leave spring term), and Leonard W. J. van der Kuijp 1556

Half course (fall term; repeated spring term). Fall: M., W., 7:30–9:30.

Note: and others authorized by the Chair.

***Religion 3001. Reading and Research**

Catalog Number: 7954

Ellen Aitken (Divinity School) 2513, Ali S. Asani 7739, Asher D. Biemann 3966, François Bovon (Divinity School) 3551, David L. Carrasco 4213, Nicholas P. Conostas (Divinity School) 2352, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health and Divinity School) 1670, Diana L. Eck 4514, James Engell 8076 (on leave spring term), Francis Fiorenza (Divinity School) 2735, Robert M. Gimello 9240, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243 (on leave fall term), David D. Hall (Divinity School) 2510, Paul D. Hanson



(Divinity School) 1394, Jay M. Harris 2266, Albert Henrichs 4085, William R. Hutchison (Divinity School) 4061, Karen L. King (Divinity School) 4217 (fall term only), Helmut H. Koester (Divinity School) 3477, James L. Kugel 7575 (on leave fall term), David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, David Little (Divinity School) 2793, Peter Machinist 2812 (on leave spring term), Everett I. Mendelsohn 2700, David Gordon Mitten 1290, Anne Elizabeth Monius (Divinity School) 4489, Roy Mottahedeh 1454, Robert A. Orsi (Divinity School) 4242 (on leave spring term), Kimberley C. Patton (Divinity School) 3306, Ralph B. Potter (Divinity School) 1046, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Lawrence E. Sullivan (Divinity School) 2653, Stanley J. Tambiah 4692, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233 (on leave spring term) and others authorized by the Chair.

***Religion 3002. Foreign Language Certification**

Catalog Number: 4791

Members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and research conducted in a specific foreign language, normally French or German, to satisfy the modern language reading proficiency requirement for Ph.D. students in the Study of Religion.

Note: Limited to Ph.D. candidates who receive written permission from the Committee's Director of Ph.D. Studies.

Romance Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Romance Languages and Literatures

Christie McDonald, Smith Professor of French Language and Literature (*Chair*)

Bartolo Arcangelo Anglani, Visiting Professor of Romance Languages and Literatures (*spring term only*)

Fernando Arenas, Visiting Professor of Romance Languages and Literatures (*University of Minnesota*) (*spring term only*)

Janet Beizer, Professor of Romance Languages and Literature (*on leave 2002-03*)

Laura Benedetti, John L. Loeb Associate Professor of the Humanities (*on leave 2002-03*)

Marie-France Bunting, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in French*)

Luis E. Cárcamo-Huechante, Assistant Professor of Romance Languages and Literatures

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*Undergraduate Adviser in Portuguese and*



Director of Graduate Studies in Portuguese)

Tom Conley, Professor of Romance Languages and Literatures

Verena A. Conley, Visiting Professor of Literature (*on leave fall term*)

Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in Italian*)

Samba Diop, Assistant Professor of Romance Languages and Literatures (*on leave spring term*)

Alexia Elisabeth Duc, Assistant Professor of Romance Languages and Literatures

Evelyne Ender, Visiting Lecturer in Romance Languages and Literatures

Bradley S. Epps, Professor of Romance Languages and Literatures (*Director of Undergraduate Studies and Undergraduate Adviser in Spanish*)

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 Graduate Studies in Spanish*)

Luis M. Girón Negrón, Assistant Professor of Comparative Literature and of Romance Languages and Literatures (*on leave spring term*)

Virginie Greene, Assistant Professor of Romance Languages and Literatures and of History and Literature (*Undergraduate Advisor in Romance Studies*) (*on leave fall term*)

Ernesto E. Guerra,

Nina C. de W. Ingrao, Senior Preceptor in Romance Languages and Literatures

Francis Abiola Irele, Visiting Professor of Afro-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

Johanna Damgaard Liander, Senior Preceptor in Romance Languages and Literatures

José Antonio Mazzotti, Gardner Cowles Associate Professor of Romance Languages and Literatures (*Undergraduate Adviser in Latin American Studies*) (*on leave spring term*)

Luis Millones, Robert F. Kennedy Visiting Professor of Latin American Studies (*University of Trujillo, Perú*)

Giuliana Minghelli, Lecturer in Romance Languages and Literatures

Marlies Mueller, Senior Preceptor in Romance Languages and Literatures

Lino Pertile, Professor of Romance Languages and Literature (*on leave?*)

Doris Sommer, Professor of Romance Languages and Literatures

Diana Sorensen, Professor of Romance Languages and Literatures

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*Director of Graduate Studies in French*)

Other Faculty Offering Instruction in the Department of Romance Languages and Literatures

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

Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor



Francisco Marquez Villanueva, Arthur Kingsley Porter Research Professor of Romance Languages and Literatures

The curriculum in Romance Languages and Literatures includes courses in Catalán, French, Italian, Portuguese, and Spanish, as well as Latin American Studies and Romance Studies, and is structured in four large groupings: 1) Letters (A-C) designate 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 and are also open to graduate students. Courses 70-79 are introductory surveys of literature. Those numbered 90-99 include tutorials for concentrators and a series of undergraduate seminars, limited to 15 students, which offer introduction to the specialized study of literature. Numbers of courses above 59 do not reflect a required level of language proficiency. 3) 100-level courses are offered to undergraduates and graduate students; 4) 200-level courses, chiefly seminars, are offered primarily to graduate students.

For courses in general and comparative Romance literature, see listings of the Department of Comparative Literature.

No language courses may be taken pass/fail. Graduate students in the Faculty of Arts and Sciences may take language courses (numbered A-52) for a grade of Sat/Unsat, with permission of the instructor. All Romance language courses, 100-level and above, may be taken Pass/Fail without the instructor's signature unless otherwise noted. Undergraduates are free to enroll in 200-level graduate courses without the instructor's signature unless otherwise noted. No auditors are allowed in lettered language courses or in courses numbered 20 to 59. No one may enter A level courses after the eighth meeting of the class, Bab or Dab classes after the first meeting, or a C or 20 level course after the sixth meeting.

Catalan

Primarily for Undergraduates

Catalan Ax. Reading Catalan

Catalog Number: 5084

Bradley S. Epps and staff

Half course (fall term). Hours to be arranged.

An intensive introduction to reading in Catalan for both undergraduates and graduates. Aims at the rapid development of reading skills as a tool for research. Selection of materials in accordance with students' needs.

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. EXAM GROUP: 8, 9

An introductory course in spoken and written Catalan, the language of approximately six million people in parts of Spain, France, and Italy, with its own rich literary and cultural traditions. Emphasizing oral communication, reading, and writing, Catalan Ba will include a selection of literary, historical, and cultural texts and will offer students contact with contemporary Catalonia through the press and Internet sites.

Note: Conducted in Catalan. Knowledge of another Romance language is useful but not essential. 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 Registration Day for returning students. All students with some previous French in secondary school are required to take the placement test.

Students who receive a grade of 5 in the College Board Advanced Placement Examinations in French Literature are admitted directly into French 47b and 48b, with permission of instructor, and also into middle-group courses of French literature. Students who receive a grade of 5 in the College Board Advanced Placement Examinations in French Language normally are admitted to French 47b with the permission of the instructor. For details of Advanced Placement see the pamphlet *Advanced Standing at Harvard College* or apply to the Director of the Program of Advanced Standing.

Primarily for Undergraduates

French A. Beginning French

Catalog Number: 3373

Marlies Mueller and staff

Full course (indivisible). Five meetings a week, Section I: M. through F., at 9; Section II: M. through F., at 10; Section III: M. through F., at 11; Section IV: M. through F., at 12; Section V: M. through F., at 1. EXAM GROUP: 2, 11

A complete basic course covering all major grammatical constructions for students with little or no knowledge of French. A multi-media approach, with an initial emphasis on oral mastery of the language, furnishes a solid basis for the development of reading and writing skills during the Spring term. By the end of their first year of language training, students will speak simple, correct French, and will have read such landmark authors as Victor Hugo (*Fantine*), Mérimée



(*Carmen*), and Sartre (*Huis Clos*) in their original language, yielding an introduction to French Culture and aesthetics as reflected in literary and cinematic masterpieces.

Note: French A fulfills the language requirement. Open to students with placement scores up to 499 or permission of the course head. May not be taken Pass/Fail. Graduate students may take the course Sat/Unsat with permission of the course head. Students should section on-line on the French A website.

French Ax. Reading French

Catalog Number: 2763

Judith Frommer and staff

Half course (fall term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 13

An introduction to reading modern French texts for students who require only reading knowledge of French for research purposes. Selection of materials in accordance with students' needs. Some previous study of a Romance language helpful but not necessary.

Note: 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.

***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. Interested students should fill out the on-line request form on the French Bab website by the end of the Fall semester examination period.

Prerequisite: An advanced knowledge of at least one foreign language 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: 10

A beginning intermediate course emphasizing listening, speaking, reading, and writing, and including a study of grammar. Students become familiar with contemporary France through videotapes, feature length films, and multimedia and are introduced to French literature through a variety of texts.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS



students. Students should section on-line on the French Ca website.

Prerequisite: Placement score of 500-599 on the SAT II test or the Harvard Placement Test; 3 years of French in high school; passing grade in French A; or permission of the instructor.

French Cb. Intermediate French II: La Francophonie

Catalog Number: 6343

Judith Frommer and staff

Half course (spring term). Three weekly meetings: Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 11; Section IV: M., W., F., at 12; Section V: M., W., F., at 1. EXAM GROUP: 2

Aims to further develop the four communicative skills while introducing students to the concept of “la francophonie” as represented in literature and films from Quebec, the Caribbean, and Africa. In French Cb, students continue the study of grammar begun in French Ca.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students should section on-line on the French Cb web page.

Prerequisite: Placement score of 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: Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 12; Section IV: M., W., F., at 1. Spring: Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: Fall: 2; Spring: 10

An introduction to French literature and cinema combined with a complete review of French grammar. Contemporary texts and films are chosen that explore enduring questions of human experience. Reflections on the meaning of life are compared and contrasted. Authors and filmmakers include Baudelaire, Camus, Kieslowski, Pagnol, Rimbaud, and Sartre. By the end of the semester, students should be able to understand lectures in French and express their thoughts orally and in writing with confidence using simple, correct French.

Note: Conducted in French. Open to students with a grade of A- in French A or French Bab, a B in French Ca with language requirement completed, a B in French Cb, or, for initial placement, a placement score between 600-659 on the SAT II test or the Harvard Placement test; or by permission of the 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

Judith Frommer and staff

Half course (fall term; repeated spring term). Fall: Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1; Spring: Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1. EXAM GROUP: Fall: 2, 11; Spring: 2 Emphasizes speech strategies, useful vocabulary, idiomatic expressions, and listening comprehension, and helps students to develop individual oral fluency while they learn about contemporary France and Francophone countries. Films, music, news media, Internet and computer-based resources offer virtual immersion in French culture, and provide material for in-



class discussions and special activities, including an on-line discussion forum giving students the experience of actual communication with French speakers from Europe, Africa and Canada. After a semester of French 27, students should feel comfortable conversing in the language and should be able to handle with confidence any common situation encountered in a French-speaking environment.

Note: French 27 may not be used to fulfill the language requirement. May not be taken pass/fail, but may be taken Sat/Unsat by GSAS students. Students should section on-line on the French 27 web page.

Prerequisite: Placement score of 600-659 on the SAT II test or the Harvard Placement test; grade of B+ in French A or Bab, or B in French Ca with language requirement completed; or French Cb or French 25; or permission of instructor.

French 31. Oral Expression II: La France a travers les medias

Catalog Number: 0490

Judith Frommer and staff

Half course (fall term; repeated spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

Designed for students with a conversational level of French who want to further develop their oral-aural skills. Students will increase their vocabulary and acquire more sophisticated speech strategies while learning about France through the French press, (both written and audio-visual), films, and the world wide web. The course will include a grammar review and practice in writing.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students should section on-line in the French 31 website.

Prerequisite: Placement score of 660-689 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). Fall: 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. Spring: 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: 3

A course in French language, literature, and film designed to develop facility in speaking, listening comprehension, writing, and reading at the advanced level. Considers representations of the self in French literature and cinema, and the various cultural institutions within which individuality is constructed. Genealogy, politics, law, art, memory, education, and religion are considered in literary context. How does one arrive at knowledge of self, and what are the consequences of this knowledge? Authors and filmmakers attempting to answer this question include Baudelaire, Camus, Duras, Hugo, Leconte, Rouan, Truffaut, and Vercors; course includes a complete grammar review and vocabulary building, in context.

Note: Conducted in French. Students should section on-line on the French 35 website.

Prerequisite: For initial placement, French 25, or permission of course head. Open to students with a placement score of 660-689 on the SAT II test or the Harvard Placement test taken. May not be taken Pass/Fail.



French 36. Upper-Level French II: Liberté et Conscience

Catalog Number: 6963

Marlies Mueller and staff

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 3

An advanced course in French language and literature structured to develop near-native fluency in written and oral expression. Examines the nature and consequences of freedom. How do power, knowledge, and freedom interrelate? What ethical difficulties does the affirmation of individual liberty occasion? Politics, philosophy, art, and literary imagination are considered as they relate to the creation and expansion of human autonomy. Authors and film directors include Balzac, Beauvoir, Camus, Granier-Deferre, Maupassant, Nuytten, Ophuls, Renoir, Ribowska, and Yourcenar. Grammar is reviewed in context, complemented by audiotapes, videotapes, films, and optional computer-assisted instruction materials designed to sharpen oral/aural skills.

Note: Conducted in French. Students should section on-line on the French 36 website.

Prerequisite: French 25, 27, 30, or 35; a placement score of 690-719 on the SAT II test or the Harvard Placement test; or permission of the course head. May not be taken Pass/Fail.

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). Section I: M., W., F., at 11; Section II: M., W., F., at 12. EXAM GROUP: 4

A journey through various regions of France surveying the present and past identities of Bretagne, Alsace, and Provence, Dordogne and Périgord, through history, folklore, traditions, gastronomy, art, music, and regional literature. Resources for class discussions include current articles from the French press, information from web sites, and historical, sociological and literary writings as well as films and video documents. Emphasis on oral communication. An advanced grammar review is offered along with practice in writing and vocabulary enrichment.

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 31 or 35. 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). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3

Designed to introduce students to the works of some leading Francophone writers from Québec, Antilles, North and West Africa while helping them acquire greater skills and confidence in both oral and written expression. Discussions will focus on issues of identity, tradition and modernity as expressed in the works of Hébert, Condé, Chedid, Sembène, Laye, Chraïbi, and of Francophone film directors.

Note: Conducted in French. May not be taken pass/fail.

Prerequisite: French 31, 35, 36, 37 (formerly 41). 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. EXAM GROUP: 12, 13

Designed for students interested in international business or affairs or who intend to work or travel for business in French-speaking countries. Through audiovisual materials, and current newspaper and magazine articles, students become familiar with the current business and economic climate in France, and find out about practices, customs, and “intangibles” that make French businesses different from their American counterparts. Students learn specialized business and economic vocabulary and the principles of business correspondence. Those enrolled may take the Paris Chamber of Commerce and Industry exams and obtain an official certificate attesting to their proficiency in French.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students should section on-line on the French 45 website.

Prerequisite: Placement score of 720 on the SAT II test or the Harvard Placement test; or by permission of the instructor.

French 47b. La Société Français à Travers les âges

Catalog Number: 6222

Marie-France Bunting

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3

This course 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.

Prerequisite: French 36, 37 (formerly 41), 42 (formerly 45). 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). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3, 5

Designed to develop greater linguistic fluency while introducing students to some major debates in French society today. Themes to be explored include: family, gender, the education system, urban problems and social stratification, immigration and French politics. Students will participate in discussions based on reading from the French press and web sites as well as from sociological and literary sources. Films and video documents closely related to the course material will emphasize the social, cultural and human aspects.

Note: Conducted entirely in French. May not be taken Pass/Fail

Prerequisite: French 37 (formerly 41), 42, 45, 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 the students' competence in written expression. Using short novels, short stories, essays and sample texts drawn from history, philosophy, and journalism, students learn to practice different styles in creative, argumentative, and analytical writings. Special emphasis will be paid to stylistic variations, lexical nuances, and complex grammatical structures. In addition, each student will present several *explications de texte* (close reading of a text).

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 36, 37 (formerly 41), 42 (formerly 38b), 47b or 48b (formerly 48). 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 threefold: to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotions, debating, negotiating, persuading, etc.; and to improve pronunciation (practice of sounds, intonation and rhythm through short dialogues and memorization of poems). Authentic materials in print or on audio or video cassettes will be used as models. In addition to practical and corrective work, students will participate collectively in a theatrical production as a final class project.

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 37 (formerly 41), 42, 47b or 48b (formerly 48). Open to students with a score of 750 on the Harvard placement test, or by permission of the instructor. Recommended for concentrators and joint concentrators.

French 70a. Introduction to French Literature I: From the Middle Ages to Modernity

Catalog Number: 2865

Alexia Elisabeth Duc

Half course (spring term). Tu., Th., at 10; M., at 4; Th., at 2 plus an additional 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: Lectures 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: The Heroine's Text From the Romantics to the Present



Catalog Number: 6720

Alice Jardine

Half course (fall term). M., 2–4 and an additional hour to be arranged. EXAM GROUP: 7, 8

Important novels from the nineteenth and twentieth centuries are examined in the light of recent literary and cultural criticism, with special attention to the question of gender and genre. Authors will include Constant, Balzac, Sand, Flaubert, Villiers de l'Isle Adam, Colette, Beauvoir, Robbe-Grillet, Duras, and Beckett.

Note: Lectures 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 (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7

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: Lectures 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 and members of the Department and Tutorial Board

Half course (spring term). M., 2–4.

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 by permission of the instructor.

***French 98. Tutorial—Junior Year**

Catalog Number: 0879

Marie-France Bunting and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 6, 7

Note: Successful completion of one semester of French 98 is required of all honors concentrators.



***French 99. Tutorial—Senior Year**

Catalog Number: 2836

Marie-France Bunting and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: For honors seniors writing a thesis. The first term may be counted as a half course only with the permission of the Undergraduate Advisor in French. Students who do not complete a thesis are required to submit a substantial paper in order to receive either half course or full course credit. To enroll, see Marie-France Bunting, Undergraduate Advisor.

Cross-listed Courses

[Comparative Literature 165. The Holocaust and Problems of Representation]

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours

Foreign Cultures 22a. La critique sociale à travers l'humour

Foreign Cultures 22b. La critique sociale à travers l'humour

***Freshman Seminar 33v. France's Racial Minorities of African Descent**

[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 (fall term). M., W., F., at 11. EXAM GROUP: 4

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: Conducted in French. Required of all graduate students in French.

[French 102. Introduction to Medieval Literature and Old French]

Catalog Number: 9929

Virginie Greene

Half course (fall term). Hours to be arranged.

Provides students with linguistic, literary and cultural means of exploring French medieval literature. We will study verse and prose works from the 12th to the 15th century, using both editions in Old French and translations in modern French.

Note: Expected to be given in 2003–04. Conducted in French.

French 108. “Amours et armes:” A Study of Medieval Romances

Catalog Number: 3495

Virginie Greene



Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores how war and love define romance. Readings will be organized around famous love stories (such as those of Dido and Aeneas, Lancelot and Guenièvre, Tristan and Yseut), and less famous ones, in works from the 12th to the 15th century.

Note: Conducted in French.

[French 119. The French 17th Century: A Century of Moralists]

Catalog Number: 9288

Alexia Elisabeth Duc

Half course (spring term). Hours to be arranged.

More than any other period in French literature, the 17th century is preoccupied with the observation of the *moeurs* of its society, and the profession of *moraliste* becomes a common point between authors from various *genres* ranging from the theater to the novel and the *formes brèves* such as *pensées*, *caractères*, fables, maxims, etc. How can we explain such an appeal? What is the nature of this *morale*, and what vision does it offer of man, in a time of cultural, political and social transformations? Readings include La Mothe le Vayer, Sorel, Pascal, Molière, La Rochefoucauld, La Fontaine, Nicole, Racine, La Bruyère.

Note: Expected to be given in 2004–05. Conducted in French.

[French 121. The Text of the Renaissance]

Catalog Number: 4006

Tom Conley

Half course (spring term). Hours to be arranged.

Studies printed writing of the Renaissance as creative form; includes readings of Rhétoriciens, Marot, Rabelais, *arts poétiques*, Ronsard, Pléiade and Baroque poetry, and personal essay: Hélienne de Crenne, Montaigne, and d'Aubigné.

Note: Expected to be given in 2003–04. Conducted in French.

[French 126. Literature and Humanism in the 17th Century I: The Courtier, the Hero and the Saint](#)

Catalog Number: 6971

Alexia Elisabeth Duc

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course explores the relations between ethics and writing in the 17th century. The readings will 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.

[French 127. Literature and Antihumanism in the 17th Century II: The Tyrant, the Sinner and the “Mondain”]

Catalog Number: 8712

Alexia Elisabeth Duc

Half course (fall term). Hours to be arranged.

Following the humanist questions of Part I of this course, 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 Bruyere, Méré.

Note: Expected to be given in 2004–05.

French 130. Literature and Cartography: History and Theory

Catalog Number: 7252

Tom Conley

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Studies groundwork of a new field through comparative analysis of space, language, and locational imaging from late-medieval texts to the computer. Readings will extend into early modern print-culture (Rabelais, Finé, Thevet), the classical age (Descartes, Corneille, Sanson); the Enlightenment (Diderot, Cassini survey, Vaugondy); post-1789 (De Lisle, Balzac, Vidal de la Blache); the age of cinema (Clair, L'Herbier, Godard). Theory includes Certeau, Deleuze, Foucault, Jacob, Lefebvre.

Note: Conducted in French.

French 132a. 20th-Century French Fiction I: The Realist Mode

Catalog Number: 4382

Susan R. Suleiman

Half course (fall term). Tu., Th., at 12 plus an hour to be arranged. EXAM GROUP: 14

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: Conducted in French.

[French 132b. 20th-Century French Fiction II: The Experimental Mode]

Catalog Number: 1890

Susan R. Suleiman

Half course (fall term). Hours to be arranged.

What are some alternatives to (or subversions of) realism in fiction? We will try to answer that question by examining four major experimental currents or movements in 20th-century imaginative writing: Surrealism, the *nouveau roman*, the Oulipo, and *écriture féminine*. Discussion of works by Breton, Crevel, Bataille, Robbe-Grillet, Sarraute, Queneau, Perec, Duras, Wittig, Cixous, as well as selected critical essays.

Note: Expected to be given in 2003–04.

[French 133. Rise and Fall of the Hero in the 17th Century]

Catalog Number: 2999

Alexia Elisabeth Duc

Half course (spring term). Hours to be arranged.

17th-century literature reflects upon the lessons of Montaigne's *Essais* and the notions of "dignitas" and "miseria hominis," which we will explore in their constant dialectic. The



fundamental question “What makes a hero?” can only be answered through an immersion in the main ethical, religious and philosophical currents of the “Grand Siècle.” Is heroism dead after the hero falls? Readings include Corneille, Descartes, Pascal, Molière, Racine and La Rochefoucauld.

Note: Expected to be given in 2004–05. Conducted in French.

French 136. Feminist Literary Criticisms

Catalog Number: 3845

Alice Jardine

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Close readings of postwar French fiction and theory with emphasis on what is called “the feminine” in key psychoanalytic, philosophical, and literary feminist writings of the French poststructuralist tradition. What has been the legacy and impact of the last three decades of dialogue between French “theory” and feminist “practice” in the United States? Writings to be considered include Hélène Cixous, Marguerite Duras, Jeanne Hyvrard, Luce Irigaray, Julia Kristeva, and Monique Wittig as well as Gilles Deleuze, Jacques Derrida, and Jacques Lacan.

Note: Conducted in English. Readings in French.

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.

This course will 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 2003–04.

[French 139a. The 18th Century: Self and Society]

Catalog Number: 2906

Christie McDonald

Half course (fall term). Hours to be arranged.

An exploration of how the relationship between self and other, society and utopia, inaugurates a discourse on change from the second half of the 18th century through the French Revolution: Marivaux, Rousseau, Diderot, d’Alembert, Voltaire, Sade, Gouges, Beaumarchais, Condorcet.

Note: Expected to be given in 2003–04. Given in French.

French 139b. The 18th Century: Ethical Dilemmas

Catalog Number: 2223

Christie McDonald

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Questions how notions of personhood and otherness inhabit the emergent novel, exploring the way in which events and values are resisted or subsumed in literary discourse and the kind of social and political responsibility that accompanies it. Readings will be taken from the works of



Charrière, Gouges, Laclos, Marivaux, Montesquieu, Rousseau, Sade, Voltaire, etc.

Note: Conducted in French.

French 152. Nineteenth-Century French Poetry, from Romanticism to Symbolism

Catalog Number: 8383

Evelyne Ender

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

Nineteenth-century France discovered the revolutionary dimensions of poetry, with the voices, among others, of Hugo, Baudelaire, Nerval, Rimbaud and Mallarmé. This course offers both an overview of the main currents and practitioners of the 19th-century lyric and an invitation to study in depth (with the help of major critics) some of the landmarks of French poetry.

[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 2003–04.

[French 157. (En)gendering the Novel]

Catalog Number: 1338

Janet Beizer

Half course (fall term). Hours to be arranged.

During the nineteenth century, the reputation of the novel evolved from that of a frivolous, light genre to a weightier, worthier one. Using gendered terms, the earlier romantic novel was often seen as feminine and even effeminate, the realist/naturalist novel as muscular and masculine, and others (for instance, Sand's *Gabriel*) as hermaphroditic. This course explores the ascent of the novel and its affiliation with gender and gender change. (Readings include texts by Gautier, Balzac, Sand, Flaubert, Zola, Rachilde, etc.)

Note: Expected to be given in 2004–05.

[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 2003–04. Conducted in French.



French 167. Parisian Cityscapes

Catalog Number: 7641

Verena A. Conley

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Examines the rapid urbanization of Paris from World War II to the present by means of fiction, films and critical essays. Investigates how the Americanization of France, decolonization, immigration, globalization and the European Union continue to restructure the city with repercussions on its social, political, and artistic life (Allouache, Augé, Balibar, Beauvoir, Beyala, Godard, Kassovitz, Maspero, Latour, Ross and others).

Note: Conducted in French.

[French 180. 20th-Century French and Francophone Women Writers]

Catalog Number: 4566

Alice Jardine

Half course (spring term). Hours to be arranged.

A consideration of some of the major novels by women writing in French from Colette to Djébar. Emphasis will be added to the literary, critical and political questions raised by the inclusion of women's cultural work into the canon.

Note: Expected to be given in 2003–04. Conducted in English. Readings in French.

French 184. Cinema and the auteur

Catalog Number: 0512

Tom Conley

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

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: Conducted in French.

[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, polygeny, 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 2003–04. Conducted in French.

French 189. Francophone Poetry and Drama

Catalog Number: 7640

Samba Diop

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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, Rabemananjara, 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.

[French 194. Francophone Film and Literature]

Catalog Number: 9392

Samba Diop

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2003–04. 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). M., W., 1–3. EXAM GROUP: 6, 7

We will examine in this course 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 will be conducted as a seminar, involving intensive reading and discussion of texts; a reading knowledge of French is thus essential for meaningful participation in the course.

Cross-listed Courses

History of Art and Architecture 174s. Body Image in French Visual Culture (18th & 19th Century)

[*Literature 125. Literature, Technology, and the Body]

***Literature 129. Reading the 18th Century Through 20th-Century Eyes**

***Literature 140. Colonial and Post-Colonial Spaces: France and North Africa**

Primarily for Graduates

[French 213. In Search of a Medieval Subject]

Catalog Number: 1419

Virginie Greene

Half course (spring term). Hours to be arranged.

We will read lyric poetry and Arthurian romances in order to identify a subject through the broodings and wanderings of various (and often dubious) figures such as King Arthur himself, divided knights, elusive ladies, and vocal lovers.

Note: Expected to be given in 2003–04. Opened to qualified undergraduates.



French 224. Theater and Politics in the Classical Age: Corneille, Racine, Molière

Catalog Number: 6943

Alexia Elisabeth Duc

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

As the nature of the relationship between the State and its subjects changes drastically in the 17th century from Richelieu's blatant use of force to the Sun King's seduction by *éblouissement*, theater is made to participate in the political scene, and in turn provides a commentary on politics. Special attention given to the representation of the hero and the state and to the central reflection on power, force and discourse. Additional readings include political authors from the 16th and 17th centuries, such as Machiavelli, La Boétie, Guez de Balzac, Richelieu, Mazarin, Naudé.

Note: Conducted in French.

[French 226. Literature and Civility in the 17th Century]

Catalog Number: 7576

Alexia Elisabeth Duc

Half course (fall term). Hours to be arranged.

Explores the relationship between literature and civility as aesthetic and social rhetorics conflate in the court and salon culture of the century. Special attention is given to epicurism and augustinism. Readings include Faret, d'Urfé, Scudéry, Bouhours, Méré, Nicole, Racine, La Fayette.

Note: Expected to be given in 2004–05. Conducted in French.

[French 242. Jean-Jacques Rousseau]

Catalog Number: 8357

Christie McDonald and Stanley Hoffmann

Half course (spring term). Hours to be arranged.

The course will read a broad sweep of Rousseau's anthropological, literary, social and political, as well as the autobiographical works. Discussion will focus on key themes such as the relation between sentiment and reason, nature and culture, independence and dependence. Readings will include the *Discours*, the *Contrat social*, *Emile*, *Nouvelle Héloïse*, and *Les Confessions*.

Note: Expected to be given in 2003–04. The language of class discussion will be determined.

Prerequisite: An excellent reading knowledge of French.

French 251. Desire in Nineteenth-Century French Fiction

Catalog Number: 8036

Evelyne Ender

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8

An examination of the discourse of desire in its rhetorical, intersubjective, and aesthetic dimensions in novels by Stendhal, Sand, Balzac, Flaubert, Zola, and Proust—in conjunction with critical readings by Barthes, Lacan, Foucault, and Starobinski.

[French 252. Sounds of Silence]

Catalog Number: 2954

Janet Beizer

Half course (fall term). Hours to be arranged.



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: Expected to be given in 2003–04.

[French 256. Sand, Colette, and the Mothers of Invention]

Catalog Number: 3546

Janet Beizer

Half course (spring term). Hours to be arranged.

Colette, both a subtle deconstructionist and a fabulous mystifier of maternity, looked back in awe at the productivity of her literary foremother George Sand. Taking off from the relationship of literary maternity and filiation, we will consider how the two writers imagined and constructed mothers, motherhood, and maternity. Readings in Sand and Colette will include a range of genres (autobiography, correspondence, memoir, and novel), and will be influenced by contemporary critical and theoretical texts.

Note: Expected to be given in 2004–05.

[French 267. The Public Intellectual in France, from Zola to Bourdieu]

Catalog Number: 6201

Susan R. Suleiman

Half course (spring term). Hours to be arranged.

What forms has the political engagement of intellectuals in France taken since the Dreyfus Affair, when the term “intellectual” first came into use? Are writers obligated to become involved in public life, or should they leave that to politicians? Is the intellectual always male? We will discuss these and related questions raised by major works and moments of debate in French cultural life since the turn of the 20th century. Works by Zola, Barrès, Benda, Nizan, Sartre, Beauvoir, Camus, Sollers, Debord, Kristeva, Bourdieu and others.

Note: Expected to be given in 2004–05. Conducted in English or French, depending upon student preference. Open to qualified juniors and seniors, with instructor’s permission.

French 270. War and Memory: Representations of World War II and the Occupation in Postwar French Literature, History and Film

Catalog Number: 7428

Susan R. Suleiman and Stanley Hoffmann

Half course (spring term). Th., 2–4:30 plus film screening to be announced. EXAM GROUP: 16, 17

France was the only country in Western Europe that both “lost” and “won” World War II. This course explores the individual and collective consequences of that split. Works by Sartre, Céline, Simon, Perec, Duras, Modiano, Ophuls, and others.

Note: Open to qualified juniors and seniors.

[French 271. Legacies of Poststructuralism: An Introduction]

Catalog Number: 8448

Verena A. Conley

Half course (fall term). Hours to be arranged.

This seminar will examine the legacies of poststructuralism, or “high theory” and literary theory



today. We will study the works of several theoreticians (Badiou, Cixous, Deleuze, Derrida, Foucault, Nancy, et al.) and their effects on various disciplines from literature to the media.
Note: Expected to be given in 2003–04. Readings in French. Open to qualified undergraduate students.

French 279. Spatial Textures of Critical Theory

Catalog Number: 1811

Tom Conley

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines space as concept and practice in contemporary theory. Readings selected from Blanchot, Lévi-Strauss, Foucault, Michel de Certeau, Marc Augé, and Gilles Deleuze. Secondary literature includes geography of experience: Yi Fu Tuan, Edward Casey, Henri Lefèbvre.

Note: 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 2003-04: To be announced.

Note: Expected to be given in 2003–04. Conducted in French. Open to qualified undergraduate students.

French 289r. French African Literature: Seminar

Catalog Number: 4502

Samba Diop

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2002-03: Francophone Epic and Autobiographical Novel. Francophone writers use the epic and autobiographical mode of narrating the colonial and postcolonial experience. Themes explored include: travel to France, French education, modernity and tradition, and the glorification of the past. Authors: O. Sembène, M. Beti, H. Lopès, C. Beyala, W. Liking, V. Tadjó, O. Socé Diop.

Note: Open to qualified undergraduates. Conducted in French.

Graduate Courses of Reading and Research

Advanced graduate students reading in the field of a proposed doctoral dissertation or working in a field of specific interest not covered by courses may propose individual projects of reading and research to be undertaken under the direction of individual members of the Department.

***French 320. French Literature: Supervised Reading and Research**

Catalog Number: 1798

Janet Beizer 3957 (on leave 2002-03), Tom Conley 1908, Samba Diop 3079 (on leave spring term), Alexia Elisabeth Duc 3801, Judith Frommer 7066, Virginie Greene 1007 (on leave fall term), Alice Jardine 7457, Barbara E. Johnson 7626, Christie McDonald 1160, and Susan R. Suleiman 7234



***French 330. Direction of Doctoral Dissertations**

Catalog Number: 7843

Janet Beizer 3957 (on leave 2002-03), Tom Conley 1908, Samba Diop 3079 (on leave spring term), Alexia Elisabeth Duc 3801, Virginie Greene 1007 (on leave fall term), Alice Jardine 7457, Barbara E. Johnson 7626, Christie McDonald 1160, and Susan R. Suleiman 7234

Italian

The term “placement score” or “placement test” below and in the various course descriptions refers to the Italian placement test given during Freshman Week for freshmen and usually on Registration Day for returning students. All students with some previous Italian in secondary school are required to take the Placement Test.

No student may enter Italian A after the eighth meeting of the class, Italian Bab after the third meeting, or a C level course after the sixth meeting. Students 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., and laboratory. Sections at 9, 10, 11, 12, or 1. EXAM GROUP: 2, 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 semester, with additional emphasis in the spring semester on reading and writing. Introduction to Italian literature through short stories in the spring semester. Course materials include complete software program for Italian grammar and vocabulary.

Note: Conducted largely in Italian. Students whose placement score does not entitle them to enter a more advanced course are assigned to Italian A. May not be taken Pass/Fail.

[Italian Ax. Reading Italian]

Catalog Number: 4015

Elvira G. DiFabio and staff

Half course (spring term). 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 2003–04. 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: Fall: 3, 11, 12; Spring: 3, 12

A complete first-year course in one semester for students with no knowledge of Italian.

Speaking, listening, reading, and writing skills are all emphasized with class time focused on developing oral/aural skills. Selected readings from 20th-century authors.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail.

Conducted largely in Italian.

Prerequisite: An advanced knowledge of at least one foreign language, preferably a modern Romance language, 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 instructor.

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., 12–1 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 semester.

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. through F., at 10; Tu., Th., at 9; M., W., F., at 10; M., W., at 9.

EXAM GROUP: 3, 12

A complete second-year course in one semester for students with an elementary knowledge of Italian. Speaking, listening, reading, and writing skills are all emphasized with class time focused on further developing oral/aural skills. Sophisticated written/oral communication will be stressed through regular reaction papers, critical essays, and a special project at the end of the semester.



Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail. Conducted in Italian. Open to students who have passed Italian A, Italian Bab or, for initial placement, to students who achieve a placement score of 450-599 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Italian 33 (formerly Italian 31). 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.

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 instructor.

Italian 36. Upper-Level Italian II: Letteratura e cinema

Catalog Number: 5223

Elvira G. DiFabio and staff

Half course (spring term). M., W., F., at 12 or 1. EXAM GROUP: 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 instructor.

Italian 40. Advanced Oral Expression: Teatro dal vivo

Catalog Number: 0804 Enrollment: Limited to 12.

Elvira G. DiFabio and staff

Half course (fall term). Tu., Th., 3–5. EXAM GROUP: 17, 18

Reading, analyzing, reciting plays by Nobel Prize-winners Luigi Pirandello and Dario Fo. Student preparation will culminate in the production of a theatrical work at the end of the semester.



Note: Conducted in Italian. Open to graduate students with permission of the instructor.

Prerequisite: Italian 36 or permission of instructor.

Italian 44. Advanced Italian: Effetto Commedia

Catalog Number: 5776

Elvira G. DiFabio and staff

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.

Prerequisite: Italian 36 or permission of instructor.

[Italian 48. Voices from Italy: Issues of Identity]

Catalog Number: 0178

Elvira G. DiFabio

Half course (spring term). 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 2003–04. Conducted in Italian.

Prerequisite: Italian Ca and 35 or permission of instructor.

Italian 50. Literary Translation

Catalog Number: 5676

Elvira G. DiFabio

Half course (spring term). W., 10–12, M., at 11.

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 44 or by permission of the instructor. Open to graduate students with permission of the instructor.

[Italian 51. The Structure and Sounds of Italian]

Catalog Number: 1306

Elvira G. DiFabio

Half course (spring term). Hours to be arranged.

Notions of phonology, morphology and syntax, including the analysis of frequently occurring linguistic phenomena especially within the verb paradigm, i.e., what's behind those irregular verbs? Includes modules on the history of the language, the dialects, the language of cinema and comparative Romance linguistics.

Note: Expected to be given in 2003–04. Conducted in Italian. Open to qualified undergraduates and to graduate students.



Prerequisite: Open to students who have passed at least Italian 36, or by permission of the instructor.

***Italian 91r. Supervised Reading and Research**

Catalog Number: 2287

Elvira G. DiFabio and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Italian 97. Tutorial - Sophomore Year**

Catalog Number: 1795

Elvira G. DiFabio (spring term), Giuliana Minghelli (fall term) and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Fall: M., W., F., at 10; Spring: Tu., Th., 11:30–1.

EXAM GROUP: Spring: 13, 14

Note: Conducted in Italian. Successful completion of one semester of Italian 97 is required of concentrators in their sophomore year.

***Italian 98. Tutorial - Junior Year**

Catalog Number: 1167

Elvira G. DiFabio and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of Italian 98 is required of all honors concentrators.

***Italian 99. Tutorial — Senior Year**

Catalog Number: 7840

Elvira G. DiFabio and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Successful completion of one semester of Italian 99 is required of all honors concentrators.

Cross-listed Courses

***Freshman Seminar 33e. Boccaccio's *Decameron* and the Birth of the Novella**

***Freshman Seminar 34k. Italian-American Literature, History, and Identity**

Literature and Arts A-26. Dante's *Divine Comedy* and Its World

For Undergraduates and Graduates

[Italian 102. History of the Italian Language]

Catalog Number: 0341

Half course (fall term). Hours to be arranged.

Italian (like French, Spanish, Portuguese, etc.) is, effectively, Modern Latin. How did Italian, and the numerous dialects of Italy, come about? The course will look at the emergence of the new languages from Spoken Latin, but will also consider the influence of foreign cultures, such as those of Germanic invaders, and discuss the origin of selected words. After an introduction to



historical Phonetics and Grammar, we shall study some early texts, both literary and “everyday” ones, and then follow the development of the Italian language and the fierce debates about its form from the Renaissance to the present.

Note: Expected to be given in 2003–04.

Italian 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). W., F., at 11 plus film screenings to be arranged. EXAM GROUP: 4

This course introduces 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: Language of instruction to be determined.

Italian 118. Verga and the Novel of the Nineteenth Century

Catalog Number: 9547

Bartolo Arcangelo Anglani

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Verga, as a narrator who breaks with Italian literary tradition and above all with the Manzonian model of the novel, identifies himself with the great European movements, from Flaubert to Zola, and in his major works (*I Malavoglia* and *Mastro don Gesualdo*) set forth a notable representation of the fate of the individual in modern society.

Note: Conducted in Italian.

[Italian 120a. Dante’s *Inferno*]

Catalog Number: 1186

Lino Pertile

Half course (fall term). Hours to be arranged.

Introduces students to Dante’s *Divine Comedy*, an Italian poem that for centuries has occupied a special position in the cultural life of the West, continues today to be a source of inspiration for artists, and is an object of intense interest for scholars all over the world. While concentrating on the close study of the *Inferno* against the background of medieval Italy, the course attempts to account for the poem’s enduring presence in our time.

Note: Expected to be given in 2004–05. Conducted in English.

[Italian 120b (formerly Italian 120d). Dante’s *Purgatorio* and *Paradiso*]

Catalog Number: 2558

Lino Pertile

Half course (spring term). Hours to be arranged.

Dante’s *Divina Commedia*. A continuation of Italian 120a.

Note: Expected to be given in 2004–05. Conducted in English.

[Italian 123. Semantics of Desire: The Erotic Theme in Dante’s Poetry]

Catalog Number: 8912

Lino Pertile



Half course (spring term). Hours to be arranged.

Examines Dante's discourse on love, earthly and heavenly, in the context of the literature and culture of his times. In addition to a selection from Dante's *Comedy*, texts will include Book 4 of Virgil's *Aeneid*, Ovid's *Ars amatoria* and Andreas Cappellanus' *De amore*, Saint Bernard's commentary on the *Song of Songs*, Guinizzelli's and Cavalcanti's *Rime* and Iacopone da Todi's *Laude*.

Note: Expected to be given in 2004–05. Conducted in Italian. Reading knowledge of Italian essential.

Italian 135. Boccaccio and the Birth of the Novella

Catalog Number: 4833

Franco Fido

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Boccaccio's writings from the early Neapolitan works to the *Decameron*, with special attention to Boccaccio's narrative poetics and techniques, in the context of 14th-century life and culture.

Note: Conducted in Italian.

[Italian 140. The Novella from Boccaccio to the Storytellers of the 16th Century]

Catalog Number: 4689

Franco Fido

Half course (fall term). Hours to be arranged.

Focus on the flowering of a "genre" peculiar to the Italian literary tradition: the *novella* or short story in prose, from its glorious inception in Boccaccio's *Decameron* to the works of the best storytellers in the 14th, 15th, and 16th centuries, such as Sacchetti, Masuccio Salernitano, Bandello, Lasca, Straparola. Selected tales by these and other authors will be studied for their artistic quality, and as a mirror of the varied, colorful life of Italian society between the Middle Ages and the Renaissance.

Note: Expected to be given in 2003–04. Conducted in Italian.

[Italian 144. Life and Comedy in the Renaissance]

Catalog Number: 3790

Franco Fido

Half course (spring term). Hours to be arranged.

At the same time highly stylized and sharply naturalistic, 16th-century Italian comedy provides in its variety a rich reflection and a poignant criticism of Renaissance life and ideas. Readings will go from Ariosto's "modernization" of classical models (*Cassaria*, *Lena*) and Machiavelli's notorious *Mandragola* to the rustic and brutally realistic farces of Ruzante and the apocalyptic (but savagely funny) indictment of contemporary culture in the *Candelaio* of Giordano Bruno.

Note: Expected to be given in 2003–04. Conducted in Italian.

Italian 181. Pavese

Catalog Number: 9139

Lino Pertile

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course offers students the opportunity to devote a whole semester to the study of the works of Cesare Pavese (1902-1950) in relation to his life and the cultural, social and political contexts



of his times.

Prerequisite: Competence in the Italian language is required.

[Italian 192. Pirandello and the European Stage of the 20th Century]

Catalog Number: 7782

Laura Benedetti

Half course (fall term). Hours to be arranged.

Poet, novelist, playwright, as well as recipient of the 1934 Nobel prize, Luigi Pirandello is best known for his long-lasting influence on 20th-century European theater. The course examines the main themes of Pirandello's multi-faceted production, and their relationship with the contemporary development of European literature and theater.

Note: Expected to be given in 2004–05. Conducted in English.

[Italian 194. Bella ciao!: Women's Identities in 20th - Century Italy]

Catalog Number: 1329

Laura Benedetti

Half course (spring term). Hours to be arranged.

The turn-of-the-century struggle for electoral rights, the Fascist celebration of motherhood as women's sole mission, the post-war years, feminism and its revisions: we will explore how these and other historical and cultural factors shaped the notion of woman throughout 20th-century Italy. Novels by Aleramo, De Céspedes, Banti, Fallaci and others; movies by Visconti, Scola, and Archibugi.

Note: Expected to be given in 2003–04. Conducted in English.

[Italian 195. The Post War Novel]

Catalog Number: 1502

Lino Pertile

Half course (spring term). Hours to be arranged.

Aims at providing a critical understanding of some major novels published in Italy since 1945. Authors considered will include Cesare Pavese, Italo Calvino, Giuseppe Tomasi di Lampedusa, Leonardo Sciascia, Dacia Maraini. The focus of the course will be on the changing relationship between writer and society in the past fifty years of Italian history.

Note: Expected to be given in 2004–05. Conducted in English.

Prerequisite: Reading knowledge of Italian required.

[Italian 198. Italo Calvino: The Poetics of Lightness]

Catalog Number: 0358

Laura Benedetti

Half course (fall term). Hours to be arranged.

Nonexistent knights, cloven viscounts, cosmicomics, the geography of the city and the universe: the production of the most experimental Italian writer of the 20th century engages in a dialogue with literary tradition, investigates the links between literature and science, and reflects on the mechanisms of textual creation and consumption. In the first of the Norton lectures that he was going to deliver at Harvard in 1985, Calvino described his working method as one involving "the subtraction of weight." The course explores the author's "poetics of lightness" through a thorough analysis of his work, from the war novel *The Path to the Spider's Nest* (1947) to the



textual adventures of *If in a Winter Night a Traveler* (1979).

Note: Expected to be given in 2004–05. Conducted in English. Readings available both in the original and in translation.

Cross-listed Courses

Linguistics 110. Introduction to Linguistics

[*Visual and Environmental Studies 185 (formerly *Visual and Environmental Studies 152br). Italian Cinema: History, Geography, and Identity]

Primarily for Graduates

Italian 204. Gramsci and Literature

Catalog Number: 9812

Bartolo Arcangelo Anglani

Half course (spring term). M., 3–5:30. EXAM GROUP: 8, 9

Antonio Gramsci's reflections on literature, especially in the *Quaderni del Carcere*, in relation to Benedetto Croce's esthetics. Particular emphasis will be given to the concepts of hegemony and revolution.

Note: Conducted in Italian.

Italian 230. Petrarca and the Divided Self

Catalog Number: 5548

Lino Pertile

Half course (fall term). Th., 2:30–5. EXAM GROUP: 16, 17

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: Taught in Italian.

[Italian 249. From Love to Madness: Orlando's Journey in Boiardo and Ariosto]

Catalog Number: 8320

Laura Benedetti

Half course (fall term). Hours to be arranged.

The course follows Orlando's development, while examining issues crucial to Renaissance culture, such as virtue, fortune, authority, and gender relations.

Note: Expected to be given in 2003–04. Conducted in Italian.

Italian 255. Machiavelli and Guicciardini

Catalog Number: 2717

Franco Fido

Half course (fall term). Tu., 1:30–4. EXAM GROUP: 15, 16

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 Italian.

[Italian 259. Torquato Tasso and the Age of Crisis]

Catalog Number: 1549

Laura Benedetti

Half course (spring term). Hours to be arranged.

The last great author of the Italian Renaissance lived in a time of cultural and spiritual turmoil, when religious concerns and critical considerations were seeking to impose strict limitations on artistic freedom. While focusing on Tasso's masterpiece *Gerusalemme liberata*, the course also explores Tasso's theory of the epic and his late, desperate attempt to provide with the *Gerusalemme conquistata* a new kind of poem, in line with Catholic orthodoxy, Aristotelian principles and, ultimately, with the poet's own conscience.

Note: Expected to be given in 2003–04. Conducted in Italian.

[Italian 260r (formerly Italian 270r). Italian Literature Seminar: Manzoni e il romanzo italiano moderno]

Catalog Number: 0694

Franco Fido

Half course (spring term). Hours to be arranged.

Topic for 03-04: To be announced.

Note: Expected to be given in 2003–04. Conducted in Italian.

[Italian 280r. Italian Literature Seminar: La "Nuova Letteratura" del Settecento: Parini e Alfieri]

Catalog Number: 4251

Franco Fido

Half course (fall term). 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 2003–04. Conducted in Italian. Reading knowledge of Latin and/or French desirable.

Italian 281r. Italian Literature: Seminar

Catalog Number: 1140

Franco Fido

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8

Topic for 2002-03: Great theatrical authors of the 18th century: Goldoni, Gozzi, and Alfieri.

Italian 287br. Italian Literature: Seminar

Catalog Number: 1103

Lino Pertile

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Topic for 2002-03: Dante's *Paradiso*. A close reading and discussion of Dante's *Paradiso* and



related critical literature.

Note: 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

Laura Benedetti 1327 (on leave 2002-03), Franco Fido 2446, and Lino Pertile 3416 (on leave?)

***Italian 330. Direction of Doctoral Dissertations**

Catalog Number: 3679

Laura Benedetti 1327 (on leave 2002-03), Franco Fido 2446, and Lino Pertile 3416 (on leave?)

Latin American Studies

Primarily for Undergraduates

Latin American Studies 30. Introduction to Quechua

Catalog Number: 5999

José Antonio Mazzotti and staff

Half course (fall term). Tu., Th., 1–3. EXAM GROUP: 15, 16

A basic introductory course to the language of the Incas, now spoken by more than 12 million people in Colombia, Ecuador, Peru, Bolivia and northern Chile and Argentina. Quechua is a language of simple structures but multiple expressive possibilities, with a longstanding tradition of poetry, music, and drama. This course is ideal for anyone interested in doing research on the Andean area and communicating with indigenous communities in South America. It will cover approximately two-thirds of the material of a first-year Quechua course.

Note: Conducted in Quechua. No knowledge of a Romance language is necessary.

[Latin American Studies 70. Introduction to Latin American Studies]

Catalog Number: 3379

José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

Focuses on reading, films and music from the different Latin American regions. Concentrates on the diversity, coexistence and divergence of ethnic traditions within national spaces. This is a highly interdisciplinary course to introduce students to the complexity of contemporary Latin American societies and their problems.

Note: Expected to be given in 2003–04. Conducted in Spanish, with some readings, lectures and discussions in English. Required for concentrators in Latin American Studies.

Latin American Studies 71. Latin American Film

Catalog Number: 6755

José Antonio Mazzotti

Half course (fall term). W., 7:30–10 p.m. (screening); and F., 10–11:30; or F., 1–2:30. EXAM GROUP: 6, 7



Will present and analyze some representative films of the main Latin American schools of cinema: the Brazilian Cinema Novo, the Argentine Tercer Cinema, the Cuban Cinema de la Revolucion and Mexican post-revolutionary film. The purpose is not only to familiarize the students with prestigious directors such as Glauber Rocha, Fernando Solanas, Tomás Gutiérrez Alea, Emilio “Indio” Fernández, and others like Jorge Sanjinés, Carlos Diegues, and Armando Robles Godoy, but also with the social, political and cultural contexts of their work.

Note: Conducted in Spanish. Films in Spanish and Portuguese with English subtitles.

[Latin American Studies 72. “The Jungle Books”: Amazonian Literatures]

Catalog Number: 7271

José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

The importance of the Amazonian rain forest is evident not only to ecologists and biologists. There is a large corresponding literary production in the countries that share this privileged environment. This course will examine some key canonical works (chronicles on El Dorado and the Amazon river, *La vorágine*, *Los pasos perdidos*, *El hablador*, *Macunaíma*) as well as mythical narratives by the indigenous people like the Machiguenga, the Shipibo, the Bora, the Tupí, etc. It will also analyze the different perspectives they propose on the assimilation of the Amazonian jungle to their sense of local and national identities.

Note: Expected to be given in 2003–04. Conducted in Spanish. Readings in Spanish and Portuguese.

Cross-listed Courses

***Freshman Seminar 32n. Renewal of Poetry in the Hispanic World: Vallejo, Huidobro, Neruda, and Paz**

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). Hours to be arranged.

Interdisciplinary course that deals with cultural materials produced during and after the dictatorships of the 1970s and 1980s in Argentina, Chile, and Uruguay. It aims to reflect on questions of memory, aesthetics, politics, history, and the multiple mediations that put in crisis the status of (re)presentation (mass media, market culture). Other experiences will be also analyzed (Dominican Republic, Brazil, the Philippines). Materials include literary works, visual arts, and also texts from the fields of cultural criticism, political science, and trauma theory.

Note: Expected to be given in 2004–05. Conducted in English.

Prerequisite: Reading ability in Spanish.

Latin American Studies 111. Religions in the Andes and their Texts

Catalog Number: 9593

Luis Millones (University of Trujillo, Perú)



Half course (fall term). Th., 4–6. EXAM GROUP: 18

This course will examine the historiographic production within the Andean context from XVth to XXth centuries and its relation to the process of religious syncretism. It will address the role of religion in the reshaping of Andean societies as represented by both European and indigenous writers and will approach these topics through multidisciplinary analysis of historical documents, ethnographic videos, and contemporary studies.

Note: Conducted in English.

Prerequisite: Reading ability in Spanish.

Primarily for Graduates

Latin American Studies 210. Graduate Seminar on Indigenous Literatures of Latin America

Catalog Number: 9723

Luis Millones (University of Trujillo, Perú)

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Examines the most important works written or performed by indigenous people since colonial times. The weight of indigenous cultures within specific national spaces will shed light on the role that those cultures play in the formation of ethnic and national identities.

Note: Conducted in Spanish.

Portuguese

The foreign language requirement may be met by passing a special Portuguese Examination set by the Department of Romance Languages and Literatures. The examination will be given by the Department at a time to be arranged.

Primarily for Undergraduates

Portuguese A. Beginning Portuguese

Catalog Number: 7130

Clémence Jouët-Pastré and staff

Full course (indivisible). M. through F., at 9; M. through F., at 12. EXAM GROUP: 2, 11

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 Jouët-Pastré and staff



Half course (fall term). M., W., F., at 12 or 1; Tu., Th., 11:30–1. EXAM GROUP: 5

An introductory language course designed for Spanish-English bilinguals. Along with the fundamental communication skills—understanding, speaking, reading and writing—the course will focus on those features of Portuguese which are most difficult for Spanish speakers: pronunciation, idioms and grammatical structures particular to Portuguese. Students will be introduced to the cultures of the Portuguese-speaking world through readings and authentic materials, including films, music and videotapes.

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 at 1. EXAM GROUP: 5

A continuation of Portuguese Ac. By the end of the second semester, students should be able to communicate easily with native speakers and be acquainted with basic elements of Luso-Brazilian culture.

Prerequisite: Portuguese Ac.

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 semester to the study of Portuguese. Teaches fundamental communication skills—understanding, speaking, reading and writing—but does not offer a complete study of grammar.

Portuguese Ca. Intermediate Portuguese I

Catalog Number: 7692

Clémence Jouët-Pastré and staff

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Develops facility in oral expression, writing, and reading. Compositions, class discussions, and oral reports based on modern short stories and newspaper and magazine articles. Grammar review, exercises in vocabulary building.

Note: Conducted in Portuguese. Especially recommended for those students who wish to improve their ability to speak and write Portuguese. May not be taken Pass/Fail.

Prerequisite: Portuguese A or permission of instructor.

Portuguese Cb. Intermediate Portuguese II

Catalog Number: 2799

Clémence Jouët-Pastré and staff

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A continuation of Portuguese Ca.

Note: Conducted in Portuguese. May not be taken Pass/Fail.

Prerequisite: Portuguese Ca or permission of instructor.



Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media

Catalog Number: 5024

Clémence Jouët-Pastré

Half course (fall term). 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

An exploration of the various images of Brazilian culture and society as seen and created within Brazil as well as abroad. This course will enable students to investigate current trends in contemporary Brazil through the eye of the camera. Students will watch and read the latest film and written materials produced in Brazil. Topics discussed include ethnic and national identity, race relations, and gender representation.

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 91r. Supervised Reading and Research**

Catalog Number: 5589

Joaquim-Francisco Coelho and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Limited to juniors and seniors.

***Portuguese 97. Tutorial — Sophomore Year**

Catalog Number: 5769

Joaquim-Francisco Coelho and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Successful completion of one semester of Portuguese 97 is required of all concentrators in their sophomore year.

***Portuguese 98 (formerly *Portuguese 98r). Tutorial — Junior Year**

Catalog Number: 8667

Joaquim-Francisco Coelho and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.



Successful completion of one semester of Portuguese 98r is required of all honors concentrators.
To enroll see course head.

***Portuguese 99. Tutorial — Senior Year**

Catalog Number: 8753

Joaquim-Francisco Coelho and members of the Department and Tutorial Board

Full course. Hours to be arranged.

For honors seniors writing a thesis. Successful completion of one semester of Portuguese 99 is required of all honors concentrators. To enroll see course head.

For Undergraduates and Graduates

[Portuguese 121a. Introduction to the Literature of Brazil I]

Catalog Number: 5164

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

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).

Note: Expected to be given in 2003–04.

[Portuguese 121b. Introduction to the Literature of Brazil II]

Catalog Number: 4363

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A continuation of Portuguese 121a.

Note: Expected to be given in 2003–04.

Portuguese 122a. Introduction to the Literature of Portugal I

Catalog Number: 2943

Joaquim-Francisco Coelho

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The main currents of Portuguese literature. Emphasis on major authors, literary schools, and socio-aesthetic ideas from Gil Vicente and Camões to Eça de Queiroz, Fernando Pessoa, Jorge de Sena and José Saramago. Aims to teach students to read Portuguese texts and to think and write about them in a broad Western European context.

Prerequisite: Reading knowledge of Portuguese.

Portuguese 122b. Introduction to the Literature of Portugal II

Catalog Number: 3654

Joaquim-Francisco Coelho

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A continuation of Portuguese 122a.

Portuguese 130. The Cultures and Literatures of Lusophone Africa

Catalog Number: 9597



Fernando Arenas (University of Minnesota)

Half course (spring term). Tu., 12–3. EXAM GROUP: 14, 15, 16

An advanced-level introduction to the cultures and literatures of Portuguese-speaking Africa: Angola, Cape Verde, Guinea Bissau, Mozambique, and São Tomé & Príncipe. Through an interdisciplinary focus that includes history, literature, intellectual thought/critical theory, film, and popular music, we will study the key cultural problematics related to Lusophone Africa and its various individual countries. Some of the topics covered: (post-)colonialism; national identity formations; race, gender, and sexuality; democratization and modernization.

Note: Taught in Portuguese.

Portuguese 131. Brazil: Land of the Future, Postponed

Catalog Number: 9842

Fernando Arenas (University of Minnesota)

Half course (spring term). M., 3–5:30. EXAM GROUP: 8, 9

An advanced introduction to the key problematics of Brazilian culture from 1500 until the early twenty-first century. Our focus will be interdisciplinary, involving literature, history, intellectual thought/critical theory, film, and popular music. Thematic areas covered: colonial roots of Brazil; national identity formation; race and ethnicity in Brazilian culture; modernity and modernization; the struggles for democracy and socio-economic justice; gender and sexual identities; Brazil in the contemporary globalized world.

Note: Taught in English.

Portuguese 141. The Short Stories of Machado de Assis

Catalog Number: 8700

Joaquim-Francisco Coelho

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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.

Primarily for Graduates

[Portuguese 219ar. Major Poems of the Portuguese Language I]

Catalog Number: 2192

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A study of major lyrical texts of the Portuguese language, from medieval times to the present, with emphasis on poetry written in Portugal and Brazil after 1900. The approach is comparative.

Note: Expected to be given in 2003–04. The class is conducted in Portuguese.

[Portuguese 219br. Major Poems of the Portuguese Language II]

Catalog Number: 3242

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A continuation of Portuguese 219ar.

Note: Expected to be given in 2003–04. Taught in Portuguese.



Portuguese 227. Fernando Pessoa

Catalog Number: 7375

Joaquim-Francisco Coelho

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Study of the works of Portugal's most distinguished literary figure of the 20th century as poet, critic, and prose writer, as well as his relation to the corpus of Portuguese literature.

Note: Conducted in Portuguese and English.

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. EXAM GROUP: 9

An exploration of the multiple aspects of language teaching, including past and present methodologies; the nature of language learning in relation to listening, speaking, reading, and writing; the teaching of literature; intercultural understanding; computer-assisted instruction and technology; and testing. Applicable to any language.

Note: Open to qualified undergraduates. Offered jointly with the Graduate School of Education as H-750.

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 two-hour meetings to be arranged.

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

Virginie Greene and members of the Department and Tutorial Board

Half course (fall term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Romance Studies 97. Tutorial—Sophomore Year**

Catalog Number: 1994

Virginie Greene and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of Romance Studies 97 is required of all concentrators in their sophomore year.

***Romance Studies 98. Tutorial—Junior Year**

Catalog Number: 5203

Virginie Greene and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of Romance Studies 98 is required of all honors concentrators in their junior year.

***Romance Studies 99. Tutorial—Senior Year**

Catalog Number: 1067

Virginie Greene and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Weekly individual instruction. Successful completion of one semester of Romance Studies 99 is required of all honors concentrators. To enroll see the Undergraduate Advisor in Romance Studies.

For Undergraduates and Graduates



[Romance Studies 120. Emergence of the Lyric Subject in Early Romance Poetry (12th to 16th Centuries)]

Catalog Number: 8861

Mary Gaylord

Half course (spring term). Hours to be arranged.

If “in the beginning was the Word” and if “the Word was God,” how could human subjects define themselves in words? We will discuss subjectivity as it emerges in the rich traditions of Romance vernacular poetry, first in the Iberian peninsula and Southern France, later in Northern France and Italy. Works studied include love songs, political poems, death laments, female-voiced poems, meta-poetry. Authors include Alfonso X, Guilhem de Peitieu, Contessa de Dia, Berceo, Rutebeuf, Petrarca, Christine de Pizan, Manrique, Encina, Villon, Gil Vicente, Ausias March, Garcilaso de la Vega, Labbé.

Note: Expected to be given in 2003–04. Conducted in English; texts in original and translation. Meets the sophomore tutorial requirement for Romance Studies concentrators.

Prerequisite: Reading knowledge of one Romance language.

[Romance Studies 125. Uses of Story in Early Romance Literature]

Catalog Number: 7400

Mary Gaylord and Laura Benedetti

Half course (spring term). Hours to be arranged.

Why do tellers tell tales, and what do tales tell about tellers and their worlds? Course studies short narrative forms of the 13th-17th centuries: folktales, fairy tales, fables, *fabliaux*, *facetiae*, jokes, *exempla*, lives, saints’ lives, the novella. Discussion focuses on narrative techniques (plotting, voicing, framing) and their strategic uses in authors and authors and texts including *Renard, or the Fox*, Juan Manuel, Boccaccio, Marguerite de Navarre, Cervantes, Zayas.

Note: Expected to be given in 2004–05. Taught in English. Readings in original languages with English translations. Meets the sophomore tutorial requirement (Romance Studies 97) for Romance Studies concentrators.

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). M., 3–5:30 plus occasional film screenings. EXAM GROUP: 8, 9

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. This course will 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. Discussion of works by Malraux, Picasso, Bernanos, Bataille, Semprun, Cela, Cernuda, Lorca, Buñuel, Dalí, Rodoreda, Laforet and others.

Note: Taught in English. Good reading knowledge of either French or Spanish is required.

[Romance Studies 196. Other Romances: Literature, Cinema, and Queerness]

Catalog Number: 0971

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the relations between aesthetic production and non-normative sexual practices and



desires in selected modern Spanish, French, Portuguese, Latin American, Catalan, and Italian fictions and films. Basic theoretical texts will supplement our readings of such authors as Sade, Verlaine, Genet, Goytisolo, Pessoa, Caminha, Riera, Arenas, Sarduy, Puig, Peri Rossi, Gide, Rachilde, Yourcenar, Wittig, Lorca, Guibert, and others. Films by Pasolini, Almodovar, Babenco, etc. will also be included.

Note: Expected to be given in 2003–04. 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). Fall: M. through F., at 9, 10, 11, 1, or 2. Spring: M., W., F., at 9, 10, 11, 1, or 2. EXAM GROUP: 10

A complete basic Spanish course for students with little or no knowledge of Spanish. Primary aim is for students to achieve a satisfactory command of the language. Emphasis on speaking the language, and, in the spring term, more emphasis on reading and writing, introducing Hispanic culture and civilization through selected articles from the Spanish and Latin American press; readings by Borges, García Márquez, Pablo Neruda, and others; and use of computer, video, and film materials.

Note: Conducted largely in Spanish. May not be taken 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). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 11; Section IV: M., W., F., at 1. EXAM GROUP: 10

For students with an elementary knowledge of Spanish who wish to improve their mastery of the language. Emphasis is placed on developing oral skills, as well as reading and writing. Carefully selected readings and related activities respond to a wide variety of interests: current events and issues as well as short stories by Cervantes, Borges, Cortázar, Rulfo, Matute, Isabel Allende. At the end of the Ca-Cb sequence the student should be able to understand lectures in Spanish, converse on everyday topics with a native speaker, read material of average difficulty and mature content, and write with acceptable style and correctness.

Note: Conducted in Spanish. May not be taken Pass/Fail. Students should section online for the course on the Spanish Ca website.

Prerequisite: Open to students who have passed Spanish A, or who have a placement score of 500-599 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. Authors include Ana María Matute, Borges, García Márquez, Don Juan Manuel, Unamuno. 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 27. Spanish Oral Survival

Catalog Number: 5358

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1. EXAM GROUP: 10

To develop individual oral fluency in Spanish, while introducing students to attitudes, values, and cultural patterns of contemporary life in Spain and Latin America. Students are provided with continual opportunities to act out typical situations they would encounter in a Spanish-speaking environment. Although oral proficiency is not a prerequisite, course is best suited to students who already have a good grounding in the grammar of the language.

Note: Conducted in Spanish. May not be taken Pass/Fail. Students should section online for the course on the Spanish 27 website.

Prerequisite: A placement score of 600-659 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Spanish 30. Oral Expression: Temas de actualidad

Catalog Number: 0479

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). Section I: M., W., F., at 12; Section II: M., W., F., at 1. EXAM GROUP: 5

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

Johanna Damgaard Liander and staff

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 10

Designed to develop fluency and accuracy in speaking, writing, and reading through a focus on contemporary Argentina, Columbia, Peru and Guatemala. Cultural, literary and historical readings, as well as films, will be studied and discussed. A review of selected grammar is also included.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail. Students should section for the course on the Spanish 35 website.

Prerequisite: Spanish Cb, Spanish 27, Spanish 30, or a placement score of 660-689 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

Johanna Damgaard Liander and staff

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 10

A language/culture course which will focus on contemporary life in the large cities of Spain, Cuba, Puerto Rico and Mexico. Examines the cultural and historical aspects particular to each of these areas as well as the elements of the modern Hispanic world that they share, with the ultimate goal of consolidating students' fluency and accuracy in speaking, writing and reading Spanish, while providing contact with the varied cultures and accents of Madrid, Barcelona, Havana, San Juan and Mexico City.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail. Students should section the course on the Spanish 36 website.

Prerequisite: Spanish 35, a placement score of 690-719 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Spanish 38. Spanish and the Community

Catalog Number: 8789 Enrollment: Limited to 12.

Johanna Damgaard Liander and staff.

Half course (fall term; repeated spring term). M., W., F., at 10 plus 4 hours of service per week. EXAM GROUP: 3

An advanced language course which examines the Latin American and Latino experience in the United States, Spanish 38 will promote community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with community organizations and agencies within the Greater Boston area. Classwork focuses on readings and films by and about Latin Americans in the United States and specific uses of Spanish language from these communities. Authors to be read include Reinaldo Arenas, Sandra Cisneros, Ilán Stavans, and Alberto Fuguet. Frequent written assignments and a final paper will be required.

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 690-719 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; Tu., at 6 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

Half course (spring term). M., W., F., at 12 and an additional hour to be arranged. EXAM GROUP: 5

Designed for bilingual students with some formal training in Spanish grammar and writing. Aims at further developing and refining reading, writing, and oral skills in standard Spanish, including review of grammar as needed. Class discussions and written assignments are based on short stories, (Cervantes, Cortázar, Anderson Imbert, Vargas Llosa, Martí, García Márquez, Sábato, Carlos Fuentes), two short novels by Unamuno, as well as other writings covering relevant cultural issues, and films.

Note: Conducted in Spanish. May not be taken Pass/Fail.

Prerequisite: Spanish 41 or permission of the instructor.

Spanish 43. Twentieth-Century Latin American Short Story

Catalog Number: 6794

Ernesto E. Guerra

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

An advanced language and culture course that focuses on short stories by some of the most important Latin American writers of the twentieth century. The course is designed to develop oral and written proficiency in Spanish through the discussion of works by Jorge Luis Borges, Julio Cortázar, Gabriel García Márquez, and others in their social, historical and cultural context.

Note: Conducted in Spanish. 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

An advanced language/culture class that develops proficiency in all skills. Examines major films of Luis Buñuel, Carlos Saura, Pedro Almodóvar, and others in historical, political, and social context. Class discussion also focuses on interviews, reviews, screenplays, and critical articles. Frequent written assignments and a thorough review of advanced grammar when necessary.

Note: 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. This course is 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 45. El español de los negocios**

Catalog Number: 3731

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). M., W., 1–2:30, or M., W., 2:30–4. EXAM GROUP: 6, 7

An advanced language course that aims to refine linguistic skills and develop a sophisticated



style for the business, legal, and professional setting, with emphasis on vocabulary, syntax, and idiomatic usage. Attention to writing style in business letters, reports, and other documents. Participation in forming and operating a mock corporation. Discussion of articles and cultural patterns relating to business and society in Hispanic countries and in the United States. The textbook covers fundamental business concepts, but no technical background is required.

Note: Conducted in Spanish. May not be taken Pass/Fail. Students should section online for the course on the Spanish 45 website.

Prerequisite: Spanish 36, 42, 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). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

An advanced language/culture class focusing on 20th-century Mexico as seen through the works of several Mexican women (Antonieta Rivas Mercado, Frida Kahlo, Rosario Castellanos, Elena Poniatowska, María Novaro, and others). Class materials will include interviews and other selections from the press, films, paintings, as well as literary and historical readings. Frequent written and oral assignments, and a thorough review of grammar, when necessary.

Note: 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.

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., 1–2:30. EXAM GROUP: 15, 16

This course is designed to strengthen and develop students' competence in written expression. Through close reading of poems, short stories and plays, students will learn different styles in creative, argumentative, and analytical writing. Special emphasis will be placed on stylistic variations, lexical nuances, complex grammatical structures, and basic analytic tools to approach different literary genres. Students' work will be discussed in class and in private conferences.

Note: Conducted in Spanish. Students should section for the course on the Spanish 53 website.

Prerequisite: Open to students with a Harvard Placement score of 750, or by permission of the instructor. Recommended for concentrators and joint concentrators.

Spanish 54. Advanced Oral Expression

Catalog Number: 3964 Enrollment: Limited to 15.

Ernesto E. Guerra

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Designed for students interested in perfecting their oral Spanish in order to improve their comprehension, fluency, syntactic accuracy and pronunciation. The course aims to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotion, debating, negotiating, counseling, persuading, etc.; and to improve pronunciation (practice of sounds, intonation and rhythm). 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). Hours to be arranged.

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*.

Note: Expected to be given in 2003–04.

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). M., W., F., at 10. EXAM GROUP: 3

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: 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). Hours to be arranged.

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, and la Perricholi.



Note: Expected to be given in 2003–04. 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). Tu., Th., 1–2:30 and a weekly section to be arranged. EXAM GROUP: 15, 16

Analyzes and discusses how different literary genres register and at the same time produce major metaphors of the economic, social, and cultural imagination of Latin American societies, using texts from the end of the nineteenth to the late twentieth century. Readings include: Rubén Darío, José Martí, Delmira Agustini, Vicente Huidobro, Jorge Luis Borges, Gabriela Mistral, Pablo Neruda, José María Arguedas, Octavio Paz, Gabriel García Márquez, Elena Poniatowska, Nicanor Parra, Gonzalo Rojas, Ana Lydia Vega.

Note: Conducted in Spanish.

Prerequisite: Required for concentrators in Hispanic Literatures and Hispanic Studies (as an alternative to Spanish 71a).

[Spanish 90h. Indigenismos]

Catalog Number: 8790

José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

An examination of so-called “indigenista” literature in Latin America, from its beginnings in the 16th century to the poetry and novels of the 20th century. How were indigenous groups and ethnic nations characterized by early Spanish colonizers and how have these images been transformed for the modernizing nation-building process of the past century? How have Aztecs, Incas, Mayans and their descendants been re-accommodated into Latin American “imagined communities”?

Note: Expected to be given in 2004–05. Conducted in Spanish.

Spanish 90k. Cultural Spaces: Representations of the Country, the City and the Border in Spanish American Writing

Catalog Number: 9252

Diana Sorensen

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: Conducted in Spanish.

Spanish 90m. Imagining Latin Americas: Neruda, Paz, Garcia Márquez

Catalog Number: 8609

Luis E. Cárcamo-Huechante

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course will analyze the work of three major twentieth-century writers: Pablo Neruda, Octavio Paz, and Gabriel García Márquez. We will examine the ways in which their writings imagine both Latin America and the Americas in general. Special emphasis will be placed on the modern dimension of their literary registers—poetry, novel, short story, and essay—as well as on the location of the writer as a “public intellectual” in the Latin America of the 1950s, 1960s, and 1970s. Films will also be included in course analysis.

Note: Conducted in Spanish.

[Spanish 90n. Latin American Culture and Society in the Sixties]

Catalog Number: 6133

Diana Sorensen

Half course (spring term). Hours to be arranged.

An examination of a decade marked by modernization and utopia. We will study the cultural impact of the Cuban Revolution, the Student Movements of 1968 and the Massacre of Tlatelolco, the “Boom” and some of its key figures (Borges, Cortázar, Fuentes, Donoso). Cultural and contextual forces reviewed in fiction, poetry, essays, films, magazines, protest songs, and *testimonio*.

Note: Expected to be given in 2004–05. Conducted in Spanish.

***Spanish 91r. Supervised Reading and Research**

Catalog Number: 1586

Bradley S. Epps 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). M., W., at 11.

Theory in Praxis: Critical Controversies. Reading assignments for this course 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

Bradley S. Epps and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of Spanish 98 is required of all honors concentrators in their junior year.

***Spanish 99. Tutorial — Senior Year**

Catalog Number: 5867

Bradley S. Epps and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one semester of Spanish 99 is required of all honors concentrators. To enroll see the Undergraduate Advisor in Spanish.

Cross-listed Courses

Foreign Cultures 19. El poder y lo sagrado: figuras de un conflicto en las literaturas hispanicas

***Freshman Seminar 32n. Renewal of Poetry in the Hispanic World: Vallejo, Huidobro, Neruda, and Paz**

Latin American Studies 71. Latin American Film

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 104. Love and Power in 14th-Century Castille: Juan Ruiz and Juan Manuel]

Catalog Number: 1181

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

Love and power as the thematic axes in two classic 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: Expected to be given in 2004–05. Conducted in Spanish.

[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 2003–04. Conducted in Spanish.



[Spanish 121a. Advanced Survey of Spanish American Colonial Literature]

Catalog Number: 4549

José Antonio Mazzotti

Half course (fall term). Hours to be arranged.

A close reading of works by Columbus, Hernán Cortés, Bartolomé de las Casas, López de Gómara, Bernal Díaz del Castillo, Cabeza de Vaca, Alonso de Ercilla, El Inca Garcilaso, Guaman Poma de Ayala, Sor Juana Inés de la Cruz, and other colonial classics. This course will set forth the importance of such works in the formation of a colonial imaginary and its persistence through postcolonial times.

Note: Expected to be given in 2004–05. Conducted in Spanish

[Spanish 123. The Honor Stage: Identity, Community, Nation in Early Modern Spanish Drama]

Catalog Number: 2080

Mary Gaylord

Half course (spring term). Hours to be arranged.

This course studies the powerful but elusive ethos of “Honor” as it informs the literary imagination of Spain during the 16th and 17th centuries. With readings in law, ethics, anthropology and history, we consider the personal and communal risks and benefits the honor code entailed, and ask why the theme demanded dramatic and poetic form. Authors studied include Juan de la Cueva, Lope, Cervantes, Tirso, Alarcón, Calderón.

Note: Expected to be given in 2003–04.

[Spanish 124. Don Quixote]

Catalog Number: 1378

Mary Gaylord

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. 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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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: Conducted in Spanish.



Spanish 143 (formerly Spanish 243). Foundational Fiction and Film

Catalog Number: 3129

Doris Sommer

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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: Conducted in Spanish.

[Spanish 147. Power and the Sacred in Hispanic Literatures]

Catalog Number: 9728

Luis Fernández-Cifuentes

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2004–05. Conducted in Spanish.

[Spanish 155. Inventing Cultural and Political Myths: Bolívar, Sarmiento, Martí, Zapata, Eva Perón, Che Guevara, Rigoberta Menchú]

Catalog Number: 7904

Diana Sorensen

Half course (spring term). Hours to be arranged.

We will 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.

Note: Conducted in Spanish. Expected to be given in 2003–04.

[Spanish 156. Texts and Nations in the Spanish American Postcolonial Scene]

Catalog Number: 2521

Diana Sorensen

Half course (spring term). Hours to be arranged.

A study of texts that worked out cultural models attempting to formulate the problematics of nationhood and forms of belonging. We will read works written since Independence in the nineteenth century, all the way up to the twentieth century. Authors studied include Sarmiento, Hernández, Martí, Rodó, Mariátegui, Gallegos, Arguedas, Fuentes, de la Parra, Castellanos, Mistral, Fernández Retamar, Paz, Borges and Benedetti.

Note: Conducted in Spanish. Expected to be given in 2003–04.

[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: Conducted in Spanish. Expected to be given in 2004–05.

Spanish 165. Bilingual Arts

Catalog Number: 3062

Doris Sommer

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Bilingual practices are everywhere, though we are just beginning to address them in academic disciplines. We will explore the aesthetic dimensions of bilingualism, and some effects in related areas, including politics, language philosophy, and psychology. How do bilingual language games increase political flexibility, or threaten personal or national coherence? Topics will include 1) formalist appreciations; 2) exile as incitation to write; 3) Gains and Losses of heteroglossia; 4) Hybrid Games; 5) Political dialogues; 6) Code-Switching and Creativity; 7) Bilingual Theater, Music and Film; 8) The art of translation; 9) Bicultural Spaces. Readings in prose and poetry by international authors and theorists. Taught weekly, including guest lectures by, and discussions with, anthropologists, linguists, writers, and cultural critics who have worked on this subject.

Note: Conducted in Spanish and English.

[Spanish 172. Barcelona, fin-de-siècle]

Catalog Number: 4211

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the construction, expansion, and transformation of Barcelona as cultural capital of Catalunya and as site of political and aesthetic experimentation. Drawing on creative writing, criticism, painting, sculpture, architecture, and urban planning at the end of both the 19th and 20th centuries, we explore national identity and nationalism; bilingualism and biculturalism; and the relations between art and economics, political conformity and resistance.

Note: Expected to be given in 2003–04. Conducted in Spanish.

Spanish 173. Madrid, fin-de-siècle

Catalog Number: 4425

Luis Fernández-Cifuentes

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 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. This course will explore and compare from the Gran Vía facades and R. Baroja’s engravings to the Castellana skyscrapers and the paintings of Antonio López; from Valle Inclán’s plays to Almodóvar’s films; from workers’ movements to socialist democracy.

Note: Conducted in Spanish.



[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.

This course will examine issues of aesthetics, technology, and commodity culture in the literary and artistic avant-gardes of the 1920s, and also in the new avant-garde experiences of the late twentieth century in Latin America. Some of the writers and artists to be studied: Vicente Huidobro, Juan Emar, Jorge Luis Borges, Alfonsina Storni, Cesar Vallejo, Oquendo de Amat, Oswaldo de Andrade, Diego Rivera, and Frida Khalo; Gonzalo Arango; Raúl Zurita, Diamela Eltit, and Eugenio Dittborn.

Note: Expected to be given in 2004–05. Conducted in Spanish.

Spanish 184. Constructing Gender in Spanish America: “Man” and “Woman”

Catalog Number: 2186

Diana Sorensen

Half course (spring term). W., 3–5:30. EXAM GROUP: 8, 9

Charting the social and discursive constructions of sexual differences, this course focuses on gender as a category of analysis. We will 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: Conducted in Spanish.

[Spanish 185. Memory, History and Fiction in Spanish American Writing]

Catalog Number: 3774

Diana Sorensen

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. Conducted in Spanish

[Spanish 186. Tobacco and Sugar]

Catalog Number: 1141

Doris Sommer

Half course (fall term). Hours to be arranged.

“The Cuban Counterpoint Between Tobacco and Sugar” (1940) by Fernando Ortiz will be the guide for considering the esthetic and historical experiments throughout the Spanish Caribbean. The different crops produced different political and cultural responses. Along with a general view of musical forms and plastic arts, and political developments, we will concentrate on literary works that include *Cecilia Valdés*, and other abolitionist novels, the Dominican *Over* and *La charca* from Puerto Rico, as well as writing by Hostos and Bonó among many others.

Note: Expected to be given in 2003–04. Conducted in Spanish.



Spanish 191. Jorge Luis Borges and Julio Cortázar

Catalog Number: 5420

Diana Sorensen

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: Conducted in Spanish.

Spanish 194. Latino Cultures

Catalog Number: 2888

Doris Sommer, David L. Carrasco, and Marcelo Suarez-Orozco

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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: Conducted in English.

[Spanish 196. Gender and Sexuality in Latin America]

Catalog Number: 1235

Luis E. Cárcamo-Huechante

Half course (fall term). Hours to be arranged.

Analysis and discussion of the different ways in which sex/gender subjects are constructed in Latin American literary and cultural imaginations. We will read selected literary and critical texts from colonial, modern and contemporary Latin America. We will also analyze the discussion set up by contemporary journals that are relevant to debates on gender and sexuality in the region (i.e. *Feminaria* from Buenos Aires, *Fem* and *Debate Feminista* from Mexico City).

Note: Expected to be given in 2003–04. Conducted in Spanish.

Spanish 197. Contemporary Narrative in the Americas: Toward a New Economy of Writing?

Catalog Number: 3521

Luis E. Cárcamo-Huechante

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

This course will analyze narrative texts that emerged from the era of cultural transformations that occurred in the Americas in the last three decades of the twentieth century. Without doubt, the narratives of the 1970s, 1980s and 1990s have to be read in conjunction with the advent of an intensified media ecology, the more global cultures of fashion and consumption, as well as the “new economy” of the culture industry and the increasing dynamics of immigration and transnational displacement.

Note: Conducted in Spanish.

Cross-listed Courses

[Comparative Literature 111. From Type to Self in the Middle Ages]

Comparative Literature 112. Religion and Literature in the Middle Ages



Primarily for Graduates

Spanish 201. The History of the Spanish Language

Catalog Number: 5610

Luis M. Girón Negrón

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

A general survey of the development of the Spanish language from Latin to the present.

Interdisciplinary approach.

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). M., 2–4:30. EXAM GROUP: 7, 8

Imitative and experimental lyric practice of major 16th and 17th century poets, studied against the background of their classical, Spanish and Italian models and theories of love, courtliness, language and poetry. Special attention given to links between sacred and secular voices, between lyric and epic, and between poetry and politics. Readings from Garcilaso, Luis de León, Juan de la Cruz, Herrera, Góngora, Lope de Vega, Quevedo and others.

[Spanish 241. The Great Nineteenth Century: Founders of Nations and Traditions]

Catalog Number: 6169

Half course (fall term). Hours to be arranged.

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. Texts by Bolívar, Sarmiento, Alberdi, Martí, Manso, Lucio V. Mansilla, González Prada, Gorriti, Darío, Zorrilla de San Martín, and others.

Note: Conducted in Spanish. Expected to be given in 2003–04.

[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: Conducted in Spanish. Expected to be given in 2004–05.

[Spanish 253. Modernism and Modernity in Spain and Latin America]

Catalog Number: 9692

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the development and dissemination of the modernist (or rather modernista) movement in a contested Hispanic realm, with special emphasis on Latin America and Catalunya. Includes work by Darío, Martí, Silva, Gutiérrez Nájera, Rusiñol, Català, Bertrana, Maragall, Valle-Inclán,



Julián del Casal, Lugones, Machado, etc. Special attention to questions of (inter)nationality and visual production.

Note: Expected to be given in 2003–04.

[Spanish 261. Theorizing Cultural Globalization in the Americas]

Catalog Number: 7897

Luis E. Cárcamo-Huechante

Half course (fall term). Hours to be arranged.

This seminar analyzes how cultural globalization is theorized from different locations in the Americas. Issues at stake: the “New Economy,” the university, the crisis of the “public intellectual,” and the construction of transnational networks.

Note: Expected to be given in 2004–05. Conducted in Spanish.

Spanish 262. Literature, Cultural Theory, and Economic Discourses in Twentieth-Century Latin America

Catalog Number: 3986

Luis E. Cárcamo-Huechante

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This seminar examines the intersections between literary, cultural, and economic imagination in the periods of modernization and neomodernization in Latin America and the Caribbean.

Readings include texts from narrative, poetry, political economy, and cultural theory.

Note: Conducted in Spanish.

[Spanish 263. All of Them: Neruda, Mistral, Huidobro, and Parra]

Catalog Number: 0677

Luis E. Cárcamo-Huechante

Half course (spring term). Hours to be arranged.

By examining the literary and intellectual production of four major Chilean poets (Neruda, Mistral, Huidobro, and Parra), this seminar aims to critically reflect on the construction of poetic universes, and the institution of national poetry.

Note: Expected to be given in 2003–04. Conducted in Spanish.

Spanish 267. Postcolonial Intellectuals and the Question of Citizenship in Spanish America

Catalog Number: 9211

Diana Sorensen

Half course (fall term). W., 3–5:30. EXAM GROUP: 8, 9

Course 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: Conducted in Spanish.

[Spanish 268. A Rhetoric of Particularism]

Catalog Number: 0612

Doris Sommer

Half course (spring term). Hours to be arranged.



Some texts resist “competent” readers with barriers that more reading will not overcome. Anglo as well as Latin Americans (Morrison, Menchú, Garcilaso, Rodriguez, Poniatowska, among others) use various strategies to defend difference, as a kind of strategic essentialism, and to raise concerns about the hermeneutic project. Primary texts alternate with interpretive theories.

Note: Expected to be given in 2004–05. Conducted in English.

Spanish 272. Aesthetics from the Margins

Catalog Number: 1870

Doris Sommer

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A reconsideration of standard authors, including Aristotle, Vico, 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.

Spanish 273. Spanish Literature Seminar: The Representation of Women in Modern Spanish Literature

Catalog Number: 9648

Bradley S. Epps

Half course (fall term). M., 3–6. EXAM GROUP: 8, 9

Examines the construction and critique of the “feminine character” in works by Fernán Caballero, López Bago, Valera, Bécquer, Pardo Bazán, Unamuno, d’Ors, Baroja, Laforet, Rodoreda, and others, with special emphasis on Clarín’s *La Regenta*. Questions of authorship, readership, education, canonization, politics, and religion will figure prominently.

Note: Conducted in Spanish.

[Spanish 274. Fiction of Poetics and History in *Don Quixote*]

Catalog Number: 7275

Mary Gaylord

Half course (fall term). Hours to be arranged.

A study of Cervantes’ parodic and satiric practice, in relation to the generic conventions, poetic theory, contemporary historiography (fictional and serious) and Spanish historical context which contribute to shaping the world of the “first modern novel.”

Note: Expected to be given in 2003–04. Conducted in Spanish.

[Spanish 275. The Human Comedy According to the “Other” Cervantes: Graduate Seminar]

Catalog Number: 8710

Mary Gaylord

Half course (spring term). Hours to be arranged.

This study of less commonly read works by the author of *Don Quixote* explores the range of Cervantes’ comic vision in verse, drama and narrative fiction. Emphasis on technical, metaliterary and political aspects of his reinvention of inherited genres. Texts include *La Galatea*, *Novelas ejemplares*, *Viaje del Parnaso*, comedies, interludes and *Persiles y Sigismunda*.

Note: Expected to be given in 2004–05.



[Spanish 282r. Graduate Seminar: Don Quixote's Library]

Catalog Number: 3114

Mary Gaylord

Half course (spring term). Hours to be arranged.

A study of works destroyed, banished or celebrated in the famous book-burning episode, along with others alluded to in Cervantes' novel. This course uses the Knight's reading as mirror of his "madness," as partial key to the author's intertextual practice and his parodic agenda, and as window onto early modern literary and cultural horizons. Readings in chivalric, pastoral, Moorish romance; ballads, courtly verse, epic verse; wonder books, poetics; serious and burlesque historiography; *Don Quixote*.

Note: Expected to be given in 2005–06.

Spanish 285ar. Spanish Literature: Seminar

Catalog Number: 4099

Luis Fernández-Cifuentes

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16

Urban Strategies in 19th-Century Narrative: Galdós and the City. From G. Simmel and W. Benjamin to R. Sennet and M. A. Caws, social and literary studies have developed a critical discourse focused on the configurations of the modern city, and on its decisive epistemological and textual implications. Galdós' major novels are read in light of this discourse.

Note: Conducted in Spanish.

[Spanish 285br. Spanish Literature Seminar: Bodies and Spaces in Spanish Poetry, from Bécquer to Nueve Novísimos]

Catalog Number: 9786

Luis Fernández-Cifuentes

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2003–04. Conducted in Spanish.

[Spanish 285cr. Spanish Literature Seminar]

Catalog Number: 1104

Luis Fernández-Cifuentes

Half course (spring term). Hours to be arranged.

Topic for 2003-04: Ilustración y Romanticismo

Note: Expected to be given in 2003–04.

[Spanish 286r. Spanish Literature: Seminar]

Catalog Number: 6920

Luis M. Girón Negrón

Half course (spring term). Hours to be arranged.

Topic for 2004-05: Autobiography in pre-modern Spain. It has been argued that the poetic "I" in medieval writing is not a literary vehicle for individual self-representation, but only an archetype of the human. Readings from Alfonso X, Jaume I, Juan Ruiz, Juan Manuel, Santob de Carrión,



Pero Tafur, Ruy González de Clavijo, Fernando de Rojas, Teresa de Ávila, Alonso de Contreras, Bernal Díaz and *Lazarillo*. Theoretical texts by Spitzer, Lejeune, Zumthor, DeCerteau and Walker Bynum.

Note: Expected to be given in 2004–05.

[Spanish 287r. Spanish Literature Seminar: Realism and its Avatars]

Catalog Number: 4779

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the role of the “real” in Spanish narrative fiction written in the four major languages of Spain (Castilian, Basque, Catalan, Galician) from the late nineteenth century to the present.

Works by Clarín, Galdós, Pardo Bazán, Narcís Oller, Víctor Català, Valle-Inclán, Baroja, Sánchez Ferlosio, Rodoreda, Martín Santos, Benet, Riera, Rivas and Atxaga.

Note: Expected to be given in 2004–05. Conducted in Spanish.

[Spanish 295r. Graduate Seminar on Life and Works of El Inca Garcilaso de la Vega]

Catalog Number: 1310

José Antonio Mazzotti

Half course (fall term). Hours to be arranged.

A thorough examination of the *Diálogos de amor*, *La Florida* and *Comentario reales* within their discursive traditions. Late Renaissance topics and classical sources will constitute a substantial part of the analysis. The formation of a colonial *mestizo* subjectivity will be also addressed and discussed upon post-colonial theory.

Note: Expected to be given in 2003–04. 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 (on leave spring term), José Antonio Mazzotti 3083 (on leave spring term), 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 (on leave spring



term), Francisco Marquez Villanueva 5064, José Antonio Mazzotti 3083 (on leave spring term), 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 A.M. in Regional Studies—Russia, Eastern Europe, and Central Asia

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies
(*Chair*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and
Professor of Comparative Literature, Curt Hugo Reisinger Professor of Slavic Languages and
Literature and Professor of Comparative Lit. (*on leave fall term*)

Julie A. Buckler, Harris K. Weston Associate 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

Yoshiko M. Herrera, Associate Professor of Government (*on leave fall term*)

Eric Lohr, Assistant Professor of History (*on leave 2002-03*)

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures,
Associate of Adams House (*on leave spring term*)

Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences (*on leave 2003-04*)

Stephanie Sandler, Professor of Slavic Languages and Literatures (*on leave 2002-03*)

Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History

William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of
Literature, and Professor of Comparative Literature

Other Faculty Offering Instruction in Regional Studies— Russia, Eastern Europe, and Central Asia

Bear F. Braumoeller, Assistant Professor of Government (*on leave fall term*)

Sue Brown, Associate Professor of Slavic Languages and Literatures (*on leave 2002-03*)

Janos Kornai, Allie S. Freed Professor of Economics

Andrei Shleifer, Whipple V. N. Jones Professor of Economics (*on leave 2002-03*)

Cindy Skach, Assistant Professor of Government (*on leave 2002-03*)

Justin Weir, Assistant Professor of Slavic Languages and Literatures (*on leave spring term*)



This is a two-year interdisciplinary program leading to the A.M. degree. For details, see the supplement, “A.M. in Regional Studies—Russia, Eastern Europe, and Central Asia.” The program aims to provide students with a firm grounding in the history, culture, language, politics, and economics of Russia, and of other countries of the former Soviet Union and Eastern Europe. Graduates typically enter careers in government service, international trade or finance, journalism, or consulting; some pursue further training in international law or for the academic professions. Brochures describing the program and requirements may be obtained from the Davis Center for Russian and Eurasian Studies — 1737 Cambridge Street, Cambridge, MA, 02138.

The course of studies takes into account the previous background, as well as the professional needs and interests, of the individual student. In addition to offerings by the Faculty of Arts and Sciences, students may cross-register for courses at other schools of Harvard University, and at MIT and the Fletcher School of Law and Diplomacy. Faculty may offer specialized seminars specifically for program students. Students who have completed basic program requirements may seek permission for individual research under faculty direction. Arrangements may be made for students interested in fields not usually represented in course offerings.

Below is a partial list of relevant courses offered in 2002-2003:

Economics 1360, 1530, 2327, [2410g], 2530a.

Government 1102, [1145], 1243, [1735], [1750], [1780], 2004, [2140], [2213], [2720], 2784, 2790.

History [1502], 1516, 1522, 1531, [1542], [1878b], 2511, [2533].

Islamic Civilizations 125.

Russian and other Slavic languages: see Slavic Languages and Literatures.

Languages of Central Asia and the Caucasus: see Near Eastern Languages and Civilizations.

For full course listings and availability, consult individual departmental listings.

Primarily for Graduates

***Regional Studies — Russia, Eastern Europe, and Central Asia 299a. Master’s Thesis Reading and Research**

Catalog Number: 3938 Enrollment: Limited to master’s degree candidates in the Regional Studies Program.

Timothy J. Colton and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading, research, and writing to fulfill the thesis requirement in the master’s degree program in Regional Studies—Russia, Eastern Europe, and Central Asia.

Note: Master’s degree candidates are required to complete both *RSRA 299a and *299b.

Normally, these courses are taken during the second year of graduate studies.



***Regional Studies — Russia, Eastern Europe, and Central Asia 299b. Master's Thesis Reading and Research**

Catalog Number: 1931 Enrollment: Limited to master's degree candidates in the Regional Studies Program.

Timothy J. Colton and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

A continuation of RSRA 299a.

Note: Master's degree candidates are required to complete both *RSRA 299a and *299b.

Normally, these courses are taken during the second year of graduate studies.

Sanskrit and Indian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sanskrit and Indian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*)

Ashok Narhar Aklujkar, Visiting Professor of Sanskrit and Indian Studies

Vidyut Aklujkar, Visiting Lecturer on Sanskrit

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture (*Head Tutor and Director of Graduate Studies*)

Thomas C. Burke, Visiting Lecturer on Sanskrit

Diana L. Eck, Professor of Comparative Religion and Indian Studies

Rena Fonseca, Lecturer on Sanskrit and Indian Studies

Naseem Akhtar Hines, Preceptor in Urdu-Hindi

Parimal G. Patil, Assistant Professor of the Study of Religion and of Sanskrit and Indian Studies

P. Oktor Skjaervo, Aga Khan Professor of Iranian

Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology, *Emeritus*

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

Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*on leave fall term*)

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology

Richard H. Meadow, Senior Lecturer on Anthropology

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies



Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of 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.

Supervised reading leading to a long term paper in a topic or topics not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

***Indian Studies 98r. Tutorial — Junior Year**

Catalog Number: 4757

Ali S. Asani and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.

***Indian Studies 99. Tutorial — Senior Year**

Catalog Number: 6111

Ali S. Asani and members of the Department

Full course. Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.

Cross-Listed Courses

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

***Freshman Seminar 32x. Topics in Indo-Tibetan Buddhism**

***Freshman Seminar 44p. Contemporary India: Fact and Fiction**

History of Art and Architecture 184y. Indian Miniature Painting

Linguistics 170. Structure of Hindi

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

For Undergraduates and Graduates

[Indian Studies 112. Major Themes in Modern Indian History]

Catalog Number: 6068

Rena Fonseca

Half course (spring term). Hours to be arranged.

A seminar on the history of India from 1947 to the present. Topics covered: competing visions of the idea of “India”; Partition; scholarly controversies surrounding the role of Gandhi and of



Nehru; the rise of religious nationalism and communal violence; ethnic conflicts in Punjab and Kashmir; prospects for democracy and stability in the 21st century. Students will work with various sources, including memoirs, newspaper reports, television documentaries, film, political speeches and interviews, and occasionally a short piece of fiction.

Note: Expected to be given in 2003–04.

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). Th., 1–4 and a weekly film screening to be arranged. EXAM GROUP: 15, 16

The seminar examines major themes in the lives of Indian women, through the dual lenses of literature—primarily fiction and memoirs—and film. Women occupy a complex, often contradictory place in Indian society, simultaneously deified and oppressed, able to wield real political power, but also routinely denied health care and basic nutrition. How has the diversity and paradox of women's lives been explored in writings and films about, and by, women?

Topics include: Partition and violence, women's literacy and fertility, political identities, social activism, arranged marriage and the caste system, dowry deaths and sati, Bollywood and media representations of women, and voices from the Indian diaspora. Students will read the works of Lahiri, Roy, Tendulkar, Chughtai and Desai, among others, and will view films by Satyajit Ray, Deepa Mehta, Mira Nair, Anand Patwardhan, Jagmohan Mundra, and Shyam Benegal.

Indian Studies 116. Debates in Indian Analytical Philosophy: Buddhist and Brahmanical Philosophers in Interaction

Catalog Number: 2859

Ashok Narhar Aklujkar

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

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). Th., 4–6. First course meeting Th., 1/30 at 4. EXAM GROUP: 18

Examines the archaeological and literary sources available for the understanding of the early period of Indian history, until ca. 150 B.C.E. Gives a synopsis of evidence relating to the Indus culture (2300-1900). The early Sanskrit and Pali literatures are scrutinized for the clues relating to history, state, and society of Northern India. The course takes into account recent discussions on rewriting early South Asian history from a nationalistic point of view.

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

[Religion 1551. For the Love of God and His Prophet: Literary and Artistic Expressions of Muslim Devotional Life: Seminar]

Religion 1555. Introduction to Islamic Mysticism: The Sufi Tradition

[*Religion 1585. Islam in South Asia: Religion, Culture and Identity in South Asian



Muslim Societies]

Religion 1650. Modern Hindu Movements: Seminar

[Religion 1700. Introduction to Buddhism]

Primarily for Graduates

[Indian Studies 201. Materials and Methods of Indian Studies: Proseminar]

Catalog Number: 5406

Michael Witzel and members of the Department

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

[Indian Studies 203. Select Topics: Survey of Middle Indic Languages and Literatures]

Catalog Number: 3570

Michael Witzel

Half course (spring term). Hours to be arranged.

Readings in and linguistic analysis of the range of Middle Indic languages, including early inscriptions, Pali, the Prakrits, Buddhist Hybrid Sanskrit, and Apabhramsa. Emphasis on languages not ordinarily included in the curriculum.

Note: Expected to be given in 2003–04.

Prerequisite: One year of Sanskrit.

[Indian Studies 205a. South Asia as Understood Through Its Regions I: Seminar]

Catalog Number: 0460

Michael Witzel

Half course (fall term). Hours to be arranged.

Based on the premise that the diversity of South Asian civilizations can best be approached and understood through an in-depth study of a particular region. Discussion of geography, history, religion, language, literature, art, religion, anthropology, society, and politics of the chosen region. Relation and mutual influence between the region and the South Asian subcontinent and with the two supraregional divisions of South Asia, the North and the South. Kashmir and Nepal.

Note: Expected to be given in 2003–04.

[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 2003–04.

Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar

Catalog Number: 0923

Michael Witzel

Half course (spring term). Hours to be arranged. First course meeting: Th., 1/30 at 5. EXAM GROUP: 16, 17

An analysis of selected Old Indian (Rgvedic, Brahmana, Epic, Puranic) cosmogonic myths



which are contrasted with comparable ones from other Indo-European and Asian traditions. The character and the position in the respective mythological system of the several myths treated are investigated, as well as possible interpretations and an emerging framework for their form, structure, and transmission in (pre-) historical times.

Note: Offered jointly with the Divinity School as 3840.

[Indian Studies 207a. Understanding Indian Ritual]

Catalog Number: 1214

Michael Witzel

Half course (fall term). Hours to be arranged.

Investigates the indigenous theory and practice of Indian ritual, from its beginnings in the second millennium BCE (Rgveda) to present time. Stress on the development of the Agnihotra and Homa and Puja rituals, with materials from Vedic, Puranic, Tantric, and Buddhist sources, including their use in Bali, Tibet and Japan, and audio-visual materials. Recent theories of ritual will also be discussed. Sanskrit texts are used in translation, while read in original in the tandem course, Sanskrit 214.

Note: Expected to be given in 2003–04.

[Indian Studies 207b. Understanding Indian Ritual]

Catalog Number: 8416

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Indian Studies 207a.

Note: Expected to be given in 2003–04.

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: Knowledge of Sanskrit not required.

Cross-listed Courses

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**

[Linguistics 220ar. Advanced Indo-European]

Persian 140ar. Selected Readings in Classical Persian Literature

[Religion 1064. Philosophy in India: Examples from Buddhism, Hinduism, and Jainism]

[*Religion 1585. Islam in South Asia: Religion, Culture and Identity in South Asian Muslim Societies]

[Religion 1670. Approaching Hinduism: Theories, Texts, and Practices]



Graduate Courses of Reading and Research

***Indian Studies 302. Reading and Research**

Catalog Number: 1405

Ali S. Asani 7739, Diana L. Eck 4514, Parimal G. Patil 4478, and Michael Witzel 1602

***South Asian Buddhist Studies 303. Reading and Research**

Catalog Number: 3517

Leonard W. J. van der Kuijp 1556 and Parimal G. Patil 4478

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 concentrators in the Sanskrit Language and Literature option.

For Undergraduates and Graduates

Sanskrit 101a. Elementary Sanskrit

Catalog Number: 8140

Parimal G. Patil

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Sanskrit 101b. Elementary Sanskrit

Catalog Number: 6892

Parimal G. Patil

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Sanskrit 101a.



Sanskrit 102a. Intermediate Sanskrit I

Catalog Number: 4843

Vidyut Aklujkar

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Selected readings in verse and prose, drawn primarily from the Epics (Mahabharata and Ramayana) and the Upanisads.

Sanskrit 102b. Intermediate Sanskrit II

Catalog Number: 4916

Thomas C. Burke and members of the Department

Half course (spring term). Hours to be arranged.

Continuation of Sanskrit 102a.

Primarily for Graduates

Sanskrit 200ar (formerly Sanskrit 200r). Advanced Poetic Sanskrit

Catalog Number: 3658

Vidyut Aklujkar

Half course (fall term). Tu., Th., at 9. EXAM GROUP: 11

Selected poetic readings from Classical Sanskrit

Sanskrit 200br (formerly Sanskrit 200r). Advanced Poetic Sanskrit

Catalog Number: 6510

Thomas C. Burke

Half course (spring term). Hours to be arranged.

[Sanskrit 201br (formerly Sanskrit 201ar). Philosophical Sanskrit]

Catalog Number: 5965

Michael Witzel

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

[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 2003–04.

[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 2003–04.

[Sanskrit 207b. Advanced Mantra Texts]

Catalog Number: 2333

Half course (spring term). Hours to be arranged.

A continuation of Sanskrit 207a.

Note: Expected to be given in 2003–04.

[Sanskrit 208r. Buddhist Hybrid Sanskrit]

Catalog Number: 3997

Leonard W. J. van der Kuip

Half course (fall term). Hours to be arranged.

Selected readings in Buddhist Sanskrit narrative literature, with an emphasis on introducing varying degrees of “hybridity” in the language.

Note: Expected to be given in 2003–04.

Prerequisite: Two years of Sanskrit.

Sanskrit 210 (formerly Indian Studies 117). Advanced Philosophical Sanskrit: Readings of Epistemological and Ontological Argumentation

Catalog Number: 6086

Ashok Narhar Aklujkar

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

[Sanskrit 214. Ritual Sutras]

Catalog Number: 6626

Michael Witzel

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and discussion of Sutras and Paddhatis. Selection for 2003-04: To be announced.

Note: Expected to be given in 2003–04.

[Sanskrit 215ar (formerly Sanskrit 215). Dharmasastra and Arthasastra]

Catalog Number: 6599

Michael Witzel and members of the Department

Half course (fall term). Hours to be arranged.

Readings in legal and political texts.

Note: Expected to be given in 2003–04.

Graduate Courses of Reading and Research

***Sanskrit 301. Reading and Research**

Catalog Number: 2158

Diana L. Eck 4514, Parimal G. Patil 4478, P. Oktor Skjaervo 2869, and Michael Witzel 1602



***Sanskrit 310. Direction of Doctoral Dissertations**

Catalog Number: 4371

Diana L. Eck 4514, Parimal G. Patil 4478, P. Oktor Skjaervo 2869, and Michael Witzel 1602

Pali

For Undergraduates and Graduates

[Pali 101a. Introductory Pali]

Catalog Number: 4129

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04. Given in alternate years.

Prerequisite: One year of Sanskrit.

[Pali 101b. Introductory Pali]

Catalog Number: 7320

Half course (spring term). Hours to be arranged.

Continuation of Pali 101a.

Note: Expected to be given in 2003–04. 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.

***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.

Prerequisite: Pali 102a or equivalent.

[Pali 103r. Readings in Pali]

Catalog Number: 6985

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Graduate Courses of Reading and Research

[*Pali 300. Reading and Research]

Catalog Number: 5391



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Nepali

For Undergraduates and Graduates

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 2, 3, or 4. EXAM GROUP: 7, 16

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

Shafique Nizarali Virani and Naseem Akhtar Hines (spring term)

Full course (indivisible). Fall: M., W., F., at 3; Spring: M., 2–4, W., at 3. EXAM GROUP: Fall: 8; Spring: 7, 8

Continuation of Urdu 101. Emphasis on written expression and texts in both Perso-Arabic and Devanagari script systems. Students are introduced to Urdu/Hindi fables, short stories, and various other genres of literature, including poetry.

Note: Not open to auditors.

Prerequisite: Urdu 101 or equivalent.

Urdu 103a. Advanced Urdu-Hindi

Catalog Number: 0700

Shafique Nizarali Virani

Half course (fall term). M., W., at 4. EXAM GROUP: 9

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 and Naseem Akhtar Hines
Half course (spring term). M., W., at 4. EXAM GROUP: 9
Continuation of Urdu 103a.

[Urdu 104. The Classical Urdu Ghazal and Its Symbolism]

Catalog Number: 0927

Naseem Akhtar Hines

Half course (spring term). Tu., 7–9 p.m.

A survey of the popular literary genre including selections from poets such as Wali Dakkani, Siraj Aurangabadi, Mir Dard, Haidar Ali Atish, Mirza Ghalib and others. Special attention to religious and mystical symbolism.

Note: Expected to be given in 2003–04.

Prerequisite: Urdu 102 or equivalent.

Urdu 105r (formerly Urdu 103r). Topics in Urdu-Hindi Literature

Catalog Number: 5963

Shafique Nizarali Virani, Ali S. Asani, and Naseem Akhtar Hines (spring term)

Half course (fall term; repeated spring term). (W.), (F.), at 2. EXAM GROUP: 7

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 Akhtar Hines

Half course (spring term). Tu., 6–8. EXAM GROUP: 18

A course intended to raise levels of oral proficiency for advanced students and consolidate command over complex grammatical structures. By the end of the semester, 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.

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

For Undergraduates and Graduates

Tibetan 101a. Elementary Classical Tibetan

Catalog Number: 4132

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Note: This is a prerequisite for Tibetan 102 and 103.



Tibetan 101b. Elementary Classical Tibetan

Catalog Number: 5299

Leonard W. J. van der Kuijp and assistant

Half course (spring term). M., F., 1–2:30. EXAM GROUP: 6, 7

Note: This is a prerequisite for Tibetan 102 and 103.

Prerequisite: Tibetan 101a.

[Tibetan 102a. Intermediate Classical Tibetan]

Catalog Number: 1964

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Tibetan 101a and Tibetan 101b, or equivalent.

[Tibetan 102b. Intermediate Classical Tibetan]

Catalog Number: 5886

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Tibetan 101a and 101b, Tibetan 102a, or equivalent.

[Tibetan 103. Introduction to Pre-Classical Tibetan]

Catalog Number: 7031

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

Prerequisite: Tibetan 101a and 101b.

[Tibetan 104a. Elementary Colloquial Tibetan]

Catalog Number: 4158

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

[Tibetan 104br (formerly Tibetan 104b). Elementary Colloquial Tibetan]

Catalog Number: 7026

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Hours to be arranged.

Continuation of Tibetan 104a.

Note: Expected to be given in 2003–04.

[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 2003–04.



[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 2003–04.

Tibetan 106a. Advanced Colloquial Tibetan

Catalog Number: 7094

Leonard W. J. van der Kuijp and assistant

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

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.

Prerequisite: Tibetan 101 and 102, or equivalent.

***Tibetan 107. Introduction to the History of Tibetology: Readings in the Secondary Literature**

Catalog Number: 4272

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: This course is required of all students in the Tibetan and Himalayan Studies Ph.D. Program.

[Tibetan 108 (formerly Tibetan 106). Buddhism in Tibet: Traditional Learning and the Experience of Enlightenment]

Catalog Number: 5604

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04. All readings are in English translation.

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.

Cross-Listed Courses

***Freshman Seminar 32x. Topics in Indo-Tibetan Buddhism**

[Religion 1708. Issues in Buddhist Philosophy]

Primarily for Graduates



[Tibetan 200a. Classical Poetic Tibetan]

Catalog Number: 7360

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Readings in Tibetan texts on poetic theory based on Indian models, together with illustrations of a number of poetic figures. The main text will be the Tibetan translation of the Kavyadarsa and passages from Tibetan commentaries.

Note: Expected to be given in 2003–04.

[Tibetan 201. Introduction to Philosophical Tibetan]

Catalog Number: 7507

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Readings in Tibetan grub mtha' literature.

Note: Expected to be given in 2003–04.

[Tibetan 202r (formerly Tibetan 202). Readings in Advanced Philosophical Tibetan]

Catalog Number: 7601

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

This course focuses on the analyses of conceptual knowledge in early Tibetan philosophical texts (1100-1250).

Note: Expected to be given in 2003–04.

[Tibetan 203a. Readings in Canonical Buddhist Tibetan]

Catalog Number: 7770

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

[Tibetan 204a. Readings in Tibetan Administrative Documents]

Catalog Number: 0254

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Prerequisite for Tibetan 204b

Note: Expected to be given in 2003–04.

[Tibetan 204b. Readings in Tibetan Administrative Documents]

Catalog Number: 7255

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Continuation of Tibetan 204a

Note: Expected to be given in 2003–04.

[Tibetan 205a. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

Catalog Number: 3816



Leonard W. J. van der Kuijp
Half course (fall term). Hours to be arranged.
Prerequisite for 205b
Note: Expected to be given in 2003–04.

[Tibetan 205b. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

Catalog Number: 9070
Leonard W. J. van der Kuijp
Half course (spring term). Hours to be arranged.
Continuation of Tibetan 205a
Note: Expected to be given in 2003–04.

[Tibetan 207a. Readings in Classical Tibetan Scientific Literature]

Catalog Number: 7945
Leonard W. J. van der Kuijp
Half course (spring term). Hours to be arranged.
Indigenous Tibetan grammatical treatises.
Note: Expected to be given in 2003–04.

[*Tibetan 210. Tibetan Epigraphy and Edicts]

Catalog Number: 7374
Leonard W. J. van der Kuijp and assistant
Half course (spring term). Hours to be arranged.
Readings in selected inscriptions from Ladakh, Central Tibet, and Tibeto-Mongol edicts from 1240–1368.
Note: Expected to be given in 2003–04.

[Tibetan 211. Readings in Tibetan biographical and autobiographical literature: The life of Ugyampa \(1230-1309\).](#)

Catalog Number: 9415
Leonard W. J. van der Kuijp
Half course (spring term). Hours to be arranged.

[Tibetan 212. Introduction to Tibetan Philology and Textual Criticism]

Catalog Number: 7162
Leonard W. J. van der Kuijp
Half course (spring term). Hours to be arranged.
Note: Expected to be given in 2003–04.

[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 2003–04.



[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 2003–04.

Prerequisite: Tibetan 215.

[Tibetan 216. Tibetan Literature Survey]

Catalog Number: 5913

Janet Gyatso (Divinity School) and Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

This course will introduce students to a wide range of genres and primary resources for the study of history, religion, and literature in Tibetan language. This will include materials that fall outside the rubric of Buddhism.

Note: Expected to be given in 2003–04. Offered jointly with the Divinity School as 3564.

Tibetan 217. The Anatomy of the Human Body in Tibetan Medical Literature

Catalog Number: 5330

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Tibetan 218. Vasubandhu's Karmasiddhi Prakarana

Catalog Number: 6472

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Tibetan 219. Tibetan Tantric Literature

Catalog Number: 9500

Janet Gyatso (Divinity School)

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8

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: Ability to read Tibetan is required. Offered jointly with the Divinity School as 3892.

Cross-listed Courses

[Religion 2705. Buddhist Monastic Law]

Graduate Courses of Reading and Research

***Tibetan 300. Reading and Research**

Catalog Number: 0666

Leonard W. J. van der Kuijp 1556



[*Tibetan 302. Direction of A.M. Theses]

Catalog Number: 6927

Leonard W. J. van der Kuijp 1556

Note: Expected to be given in 2003–04.

***Tibetan 305. Tibetan and Himalayan Studies — Reading and Research**

Catalog Number: 4377

Leonard W. J. van der Kuijp 1556

Thai

For Undergraduates and Graduates

Thai 101a. Introductory Thai I

Catalog Number: 5395

Michael Witzel and assistant

Half course (fall term). Hours to be arranged.

Note: Given in alternate years.

Thai 101b. Introductory Thai II

Catalog Number: 6557

Michael Witzel and assistant

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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. Class time introduces new vocabulary and grammar through communicative tasks and text readings. The situational-communicative methodology is used to help students become more fluent in the use of Thai language in communicative situations.

Note: Expected to be given in 2003–04.

Prerequisite: Successful completion of Elementary Thai (or equivalent) is required. Continuing students who did not take Introductory Thai, as well as new students, should not be intimidated but are encouraged to talk to the instructor prior to registration.

[Thai 102b. Intermediate Thai II]

Catalog Number: 3751

Michael Witzel and assistant

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2003–04.

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). Fall: Tu., 4–6. EXAM GROUP: Fall: 18

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*) (*Director of Graduate Studies (spring term only) (on leave 2003-04)*)

Alexander Babyonyshev, Preceptor in Slavic Languages and Literatures

Anna Baranczak, Preceptor in Slavic Languages and Literatures

Stanislaw Baranczak, Alfred Jurzykowski Professor of Polish Language and Literature (*on leave 2003-2004*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature, Curt Hugo Reisinger Professor of Slavic Languages and Literature and Professor of Comparative Lit. (*Director of Graduate Studies (fall term only)*) (*on leave fall term*)

Sue Brown, Associate Professor of Slavic Languages and Literatures (*on leave 2002-03*)

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*Director of Undergraduate Studies*)

Patricia R. Chaput, Professor of the Practice of Slavic Languages (*Director of the Language Program*)

Volodymyr Dibrova, Preceptor in Slavic Languages and Literatures

Ellen Elias-Bursac, Preceptor in Slavic Languages and Literature

Vladimir Y. Gitin, Senior Preceptor in Slavic Languages and Literatures (*on leave 2002-03*)

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures, Associate of Adams House (*on leave spring term*)

Michal Pawel Markowski, Visiting Professor of Slavic Languages and Literatures (*Jagiellonian University, Cracow*) (*fall term only*)

Helen Martikainen, Preceptor in Slavic Languages and Literatures

Natalia Pokrovsky, Preceptor in Slavic Languages and Literatures

Alfia A. Rakova, Preceptor in Slavic Languages and Literatures

Natalia Reed, Lecturer on Slavic Languages and Literatures



Stephanie Sandler, Professor of Slavic Languages and Literatures (*on leave 2002-03*)
 William Mills Todd III, Harvard College Professor, Harry Tuchman Levin Professor of Literature, and Professor of Comparative Literature
 Justin Weir, Assistant Professor of Slavic Languages and Literatures (*on leave spring term*)
 Andrei Zorin, Visiting Professor of Slavic Languages and Literatures (*Russian State University for the Humanities*) (*spring term only*)
 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

Natalia Reed and others

Full course. Sections I: M., Tu., W., F., at 9; Section II: M., Tu., W., F., at 10; with a fifth hour of speaking practice to be arranged on Thursdays (either 9, 10, 11, or 1). EXAM GROUP: 2, 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). Fall: M.-F., at 9; Speaking Practice: M., W., F., at 10; Spring: M.-F., at 9; Speaking Practice: M., W., F., at 10 or 1. EXAM GROUP: 2, 11
 Covers the same material as Slavic A but in one semester.

Note: See sectioning note above.

Slavic Ac. Intermediate Grammar and Vocabulary Review I

Catalog Number: 0496

Alfia A. Rakova



Half course (fall term). M., W., F., at 10, with an additional hour 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 Vladimir Y. Gitin (fall term)

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: 2

Major emphasis on the development of vocabulary and oral expression with continuing work on difficult grammar topics. Vocabulary thematically organized to include such topics as self and family, education, work, human relationships, politics, and national attitudes. Includes practice in the etiquette of common social situations. Vocabulary reinforced through film and the reading of classical and contemporary fiction and history. Computer exercises on selected topics.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level. Familiarity with fundamentals of Russian grammar, particularly case endings of the noun, pronoun, and adjective. One year's practice in spoken Russian.

Slavic Ba. Intermediate Russian: First Semester

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 semester of Slavic B.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level. One year's practice in spoken Russian.

Slavic Bab. Intermediate Russian (Intensive)

Catalog Number: 1657

Helen Martikainen 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 11. EXAM GROUP: 2, 11

Covers essentially the same material as Slavic B, but in one semester. Readings may vary.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level.

Slavic Ca. Beginning Czech I

Catalog Number: 2173

Patricia R. Chaput and others



Half course (fall term). M., W., F., at 10; F., at 12; 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

Patricia R. Chaput and others

Half course (spring term). M., W., F., at 10; F., at 11, and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

Continuation of modern Czech grammar and the further development of reading, writing, and oral skills. Reading and discussion of simple literary texts by Hasek, Capek, Havel, and Kundera.

***Slavic Cr. Supervised Readings in Intermediate/Advanced Czech**

Catalog Number: 0847

Natalia Reed and others

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 Professor Chaput 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; Tu., at 4; Tu., at 5, 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). Hours to be arranged. EXAM GROUP: Spring: 6



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 or Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Slavic Ea. Beginning Croatian and Serbian I

Catalog Number: 3163

Ellen Elias-Bursac

Half course (fall term). M., W., F., at 10; Tu., at 4:30, 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 10, and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

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. EXAM GROUP: Fall: 5; Spring: 2, 11

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based on student course proposals.

Note: Departmental application required. No applications accepted after the third day of classes. Interested students should contact Dr. Reed or Professor Chaput 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 or Professor Chaput before the first day of class to apply.

Slavic 101. Advanced Intermediate Russian: Reading, Grammar Review, and Conversation

Catalog Number: 7234

Alfia A. Rakova

Half course (fall term; repeated spring term). Fall: M., W., F., at 1, with two additional hours of speaking practice Tu., Th., at 10 or 11; Spring: M., W., F., at 9, with two additional hours of speaking practice Tu., Th., at 1. EXAM GROUP: Fall: 6; Spring: 2

Continuing development of speaking and reading proficiency. Vocabulary work emphasizes verbs and verb government as essential to effective communication. Work on word formation to increase reading vocabulary. Texts for reading and discussion include works by Chekhov and Dostoevsky, poetry, and film.

Note: See sectioning note above.

Prerequisite: Slavic B, Bab, Bb, or placement at this level.

Slavic 102. Advanced Russian: Introduction to the Russian Press and Historical Writing

Catalog Number: 3280

Helen Martikainen

Half course (fall term). M., W., F., at 12, and a fourth hour to be arranged. EXAM GROUP: 5

Introduction to the language of Russian newspapers, journals, historical writing, and TV programming. Basic vocabulary for areas of current interest, including politics, history, economics, political philosophy, and popular culture. Intended for students who desire a professional level of reading proficiency in the topic areas listed. Supplementary work on oral comprehension. One hour per week devoted to discussion of television and reading.

Note: See sectioning note above. Conducted largely in English.

Prerequisite: Slavic 101, 103, 104, or Slavic B, Bb, or Bab with permission of instructor.

Slavic 103. Advanced Russian: Reading, Composition, and Conversation

Catalog Number: 8638



Natalia Pokrovsky

Half course (fall term; repeated spring term). Fall: M., W., F., at 10, with two additional hours of speaking practice Tu., Th., at 1. Spring: M., W., F., at 11, with two additional hours of speaking practice Tu., Th., at 10 or 11. EXAM GROUP: Fall: 3; Spring: 4

Continuing work on vocabulary and grammar centering on verbs and verb government. Readings (a satirical tale by Shvartz, poetry of Akhmatova) and film (Bykov's *Scarecrow*) address personal and social aspects of Soviet totalitarianism.

Note: See sectioning note above. Strongly recommended for students who plan to continue on in Russian.

Prerequisite: Slavic 101, or placement at the 103 level.

[Slavic 104. Advanced Russian: Topics in Russian Culture]

Catalog Number: 0795

Alfia A. Rakova

Half course (spring term). Hours to be arranged.

Through literature, non-fiction, and film, this course explores and seeks to identify Russian cultural attitudes. Topics include explorations of attitudes toward the individual in society, gender roles, prestige and success, truth and falsehood, and justice and the law. Work on vocabulary, reading, and writing with continued emphasis on verbs.

Note: Expected to be given in 2003–04. See sectioning note above.

Prerequisite: Slavic 103, 113 or permission of instructor.

Slavic 109. Theater Workshop

Catalog Number: 1221

Patricia Chaput and members of the Department

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

Intensive work on pronunciation, intonation, syntax, and vocabulary of spoken Russian using short plays of the 19th and 20th centuries as a vehicle for practice. Students prepare readings of plays and may stage one short piece. Written work to reinforce vocabulary and composition skills.

Note: See sectioning note above.

Prerequisite: Slavic 101 or permission of instructor.

Slavic 110. Russian for Business

Catalog Number: 6212

Helen Martikainen

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to the language of business, both oral and written, and to the etiquette of business situations. Development of vocabulary in the areas of management, economics, and politics.

Discussion of cultural attitudes to business, both unofficial and official. Reading and discussion of articles from current periodicals in the areas of business, economics, and politics.

Note: See sectioning note above.

Prerequisite: Slavic 101, 102, or 103, or permission of instructor.

***Slavic 111. Advanced Russian: Readings in Russian/Post-Soviet Studies**

Catalog Number: 1594



Alexander Babyonyshev and Natalia Pokrovsky

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Reading and discussion of topics in the areas of history, economics, politics, and current events. Continued work on grammar and vocabulary with written exercises and compositions. TV viewing for comprehension development.

Note: See sectioning note above.

Prerequisite: Slavic 101 and 102, Slavic 103, or placement at the level of Slavic 111/113.

***Slavic 112. Advanced Russian: Russian Press and Television**

Catalog Number: 3290

Natalia Pokrovsky

Half course (spring term). M., W., F., at 1, 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., F., at 1, and an additional hour to be arranged. EXAM GROUP: 6

Reading and discussion of classic and contemporary Russian literature. Continued work on vocabulary expansion and composition. Written exercises for reinforcement. Readings from authors such as Gogol, Chekhov, Bulgakov, Pasternak, Brodsky, and Bitov.

Note: See sectioning note above.

Prerequisite: Slavic 103 or 104 or placement at this level or above.

Slavic 114. Advanced Russian: Readings in Russian Literature II

Catalog Number: 1317

Natalia Reed

Half course (spring term). W., F., at 2, M., at 3. EXAM GROUP: 7, 8

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.

A course in practical stylistics designed to give students a better command of style and register,



both for recognition and in their own speaking and writing. The course will cover such topics as conversational speech, formal speech, and such practical tasks as letter writing, among others. Intensive work on vocabulary and phrasing.

Note: Expected to be given in 2003–04.

Prerequisite: Slavic 121.

***Slavic 117r. Advanced Russian: Special Topics**

Catalog Number: 4671

Alexander Babyonyshev

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Russian/post-Soviet studies, including the political, economical and judicial system, parliamentary and presidential elections, the role of political parties, domestic affairs (including environmental policy), and foreign policy. Special topics include Russia as a federal state, the status of regions and republics, urban and rural areas. Also religions, human rights problems, the new social structure of the society.

Note: See sectioning note above.

Prerequisite: Slavic 111, 112, 119, 120, or permission of instructor.

[Slavic 118. Readings in Russian Poetry]

Catalog Number: 5356

Vladimir Y. Gitin

Half course (spring term). Hours to be arranged.

Analysis of selections from Russian poetry from the point of view of language, poetic context, and literary tradition. Fet, Tiutchev, Annensky, Pasternak, Tsvetaeva.

Note: Expected to be given in 2003–04. See sectioning note above.

Prerequisite: Slavic 121.

***Slavic 119. Contemporary Issues: Nationalities of the Former Soviet Union**

Catalog Number: 0636

Alexander Babyonyshev

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

The former Soviet Union as a multinational state, seen in its historical development and in the light of recent events. Questions of national identity and their political and academic consequences. Introduction to related demographic issues. Reading, discussion, composition, and supplementary written work, as needed.

Note: See sectioning note above.

Prerequisite: Slavic 102 and 103 or Slavic 111, 112, or 117 or permission of the instructor.

***Slavic 120r. Supervised Readings in Advanced Russian**

Catalog Number: 7121

Natalia Reed and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 16

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

Natalia Pokrovsky

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A course designed to further develop students' sensitivity to the reading of literary texts. Topics to include the nature of lexical meaning including meaning associations, syntactic meaning, aspects of morphology, word order and intonation, and colloquial language. Texts will include both prose and poetry.

Note: Intended primarily for graduate students in the Slavic Department. See sectioning note above.

Prerequisite: Slavic 103 or placement at this level or above.

Slavic Literature, Culture, and Philology

Primarily for Undergraduates

***Slavic 91r. Supervised Reading and Research**

Catalog Number: 2713

Julie A. Buckler 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

Julie A. Buckler and others

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04. For concentrators in Russian Literature and Culture.

***Slavic 97. Tutorial — Sophomore Year**

Catalog Number: 7595

Julie A. Buckler and others

Full course. Tu., 2–4.

Note: For concentrators in Russian Studies.

***Slavic 98. Tutorial — Junior Year**

Catalog Number: 1684

Julie A. Buckler (spring term) and John E. Malmstad (fall term)

Full course. W., 2–4.

Note: Required of junior concentrators in Russian Literature and Culture. Other students may enroll for one or both semesters.



***Slavic 99r. Tutorial — Senior Year**

Catalog Number: 5592

Julie A. Buckler 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 32s. Russian Theater, 1800-1920**

***Freshman Seminar 34s. From Avant-Garde to Underground: Culture and Politics in Post-War Czechoslovakia**

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 2003–04.

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 2003–04.

Prerequisite: Slavic B, Bab, or placement at the third-year level. Linguistics 112a helpful, but not required.

[Slavic 130a. Bridges Between East and West: Culture and Society in Older Czech Literature]

Catalog Number: 1484

Peter A. Zusi

Half course (spring 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 2003–04. 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 2003–04. All readings in English.

Slavic 135. Czech Avant-Garde in Theory and Practice

Catalog Number: 7705

Peter A. Zusi

Half course (fall term). Tu., 2–4 with an additional hour for those who wish to consider the texts in the original. EXAM GROUP: 16, 17

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: No knowledge of Czech required.

[Slavic 137. Prague: Fin-de-Siècle]

Catalog Number: 9805

Peter A. Zusi

Half course (spring term). Hours to be arranged.

Reading major literary and philosophical works from the late 19th- and early 20th-century, course explores the mutual interaction - and ignorance - among Prague's various cultural traditions (Czech, German, Jewish). Particular attention to questions of cultural and national identities, "major" and "minor" traditions, ethnic multiplicity and linguistic uncertainty, rationality and mysticism, decadence and cultural revival. Primary texts by Rilke, Kafka, Werfel,



Brod, Meyrink, Mauthner, Masaryk, Brezina, Salda, L. Klima, Karel and Josef Capek, Seifert, and Nezval.

Note: Expected to be given in 2003–04. All readings in English.

Slavic 140. 18th-Century Russian Literature: Conference Course

Catalog Number: 6495

Andrei Zorin (Russian State University for the Humanities)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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 omitted in 2003–04.

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). Th., 2–4. EXAM GROUP: 16, 17

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.

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). W., 1–3. EXAM GROUP: 6, 7

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 omitted in 2003–04. All readings in English.

[Slavic 143. Russian Formalism]

Catalog Number: 0724

Justin Weir

Half course (spring term). Hours to be arranged.

This course considers major works of the Russian Formalists in English translation. Central texts by Viktor Shklovsky, Boris Eikhenbaum, Yury Tynyanov, and Roman Jakobson will be 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: Expected to be given in 2003–04. 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 2003–04.

Slavic 145b. Russian Literature and Revolution

Catalog Number: 6663

Justin Weir

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Examines the 20th-century Russian literary tradition and its attempts alternately to inspire, record, and undermine the great social upheaval of October 1917. Considers a broad range of modernist literary genres and movements and the official aesthetics of socialist realism. Works by Babel, Bely, Blok, Bulgakov, Gorky, Kataev, Kharms, Mandelshtam, Mayakovsky, Nabokov, Olesha, Pasternak, Platonov, and Solzhenitsyn.

Note: Expected to be omitted in 2003–04. 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, Kharms, Platonov, Nabokov, Sinyavsky, Petrushevskaya, Brodsky. The goal is less to construct a canon of strangeness than to consider how estranged women, men, animals, and objects become the center of narrative or



poetic attention.

Note: Expected to be given in 2003–04. All readings in English.

Slavic 149. Russian Prose by Russian Scholars: Conference Course

Catalog Number: 0108

Andrei Zorin (Russian State University for the Humanities)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Course deals with the shift of major Russian literary scholars towards original prose as exemplars of fine writing. Traces this phenomenon throughout the twentieth century, including the experiments of the Formalists, Lydia Ginzburg, and contemporary works by Gasparov, Chudakov, and Zholkovskii.

Note: Texts to be read in Russian; lectures and discussion in English.

Slavic 151. Gogol

Catalog Number: 7272

William Mills Todd III

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

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: 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 2003–04.

Prerequisite: Good reading knowledge of Russian.

[Slavic 155. Dostoevsky]

Catalog Number: 6850 Enrollment: Limited to 20.

William Mills Todd III

Half course (spring term). Hours to be arranged.

Reading of Dostoevsky's major works, with a view to showing how the problems they contain (social, psychological, political, metaphysical) are inseparable not only from his time but from the distinctive novelistic form he created.

Note: Expected to be given in 2003–04. No knowledge of Russian required.

[Slavic 156. Vladimir Nabokov: A Cross-Cultural Perspective]

Catalog Number: 8650

Svetlana Boym

Half course (fall term). Hours to be arranged.

Examines Nabokov's poetry, fiction, film scripts, and essays from Russian, European and American periods. Attention to issues of literary modernism, cultural translation and memory.



Additional readings from Chekhov, Proust, Bergson, Borges and others.

Note: Expected to be given in 2003–04.

Prerequisite: Reading knowledge of Russian desirable but not required.

Slavic 157. Tolstoy

Catalog Number: 2005

Julie A. Buckler

Half course (fall term). M., W., at 11; M., at 4; Th., at 12; W., at 7:30 p.m. EXAM GROUP: 4

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: No knowledge of Russian required.

Slavic 160. On the Margins: Polish Literature in the 20th Century

Catalog Number: 9862

Michal Pawel Markowski (Jagiellonian University, Cracow)

Half course (fall term). M., 4–6, with a third hour for those who wish to consider the texts in the original. EXAM GROUP: 9

Introductory course to analyze Polish literature in the 20th Century, from Modernism to Postmodernism. Primarily focuses on the multiple cultural changes which took place in the last century and shaped the character of Polish literature. This transformation is considered a dynamic exchange between variously determined margins and centers and is analyzed on many levels. Several types of marginality are involved: political, metaphysical, existential, literary, and sexual.

Note: No knowledge of Polish required.

Slavic 161. Irony and Metaphysics: Constructing and Deconstructing Identity in Polish Modern and Postmodern Literature

Catalog Number: 9849

Michal Pawel Markowski (Jagiellonian University, Cracow)

Half course (fall term). Th., 2–4, with a third hour for those who wish to consider the texts in the original. EXAM GROUP: 16, 17

Advanced course that seeks to delineate two essential and opposite (p/P)oles of literary experience, Witold Gombrowicz and Czeslaw Milosz. The construction of one's identity on the basis of a true self-presentation (Milosz in his metaphysical poetry) is usefully compared with an author's "deconstructive" attitude towards himself, the world, and literature (Gombrowicz in his ironic undermining of self-presence).

Note: No knowledge of Polish required.

[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. From Mickiewicz to Bialoszewski: The Evolution of Polish Poets' Self-Images from the Romantic Prophet to the 20th-Century Lyrical Minimalist

Catalog Number: 8395

Anna Baranczak

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

A close reading course to analyze selected works in the original. The reading list includes the work of the Romantic poets (Mickiewicz, Slowacki, Norwid) and poets of the 20th century (Lesmian, Herbert, Szymborska, Bialoszewski and others).

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 2003–04.

Prerequisite: Reading knowledge of Polish.

Slavic 165. Survey of Modern (19th- and 20th-Century) Ukrainian Literature

Catalog Number: 0410

George G. Grabowicz

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to Ukrainian literary and intellectual culture with a special focus on literature as a social and cultural institution, on its central role in articulating ethnic awareness and shaping national identity, and its function, in various periods of Ukrainian history (the late 19th century, the 1920s, the late Soviet period) as the prime medium of political discourse. Students are introduced to films of related interest such as “Shadows of Forgotten Ancestors,” “Arsenal,” “Babyi Yar,” and others.

Note: No knowledge of Ukrainian required.

[Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course]

Catalog Number: 3513

George G. Grabowicz

Half course (fall term). Hours to be arranged.

An examination of Russian-Ukrainian literary relations from 1798 to 1905, with special focus on canon formation and literature's role in the formation of national identity. Topics include the Decembrists, literature as subversion (*kotljarevscyna*), Romanticism and ideology (Belinsky, the Slavophiles, populism), the functions of bilingualism and the uses of translation, the reception of major writers (Gogol, Shevchenko, and others), the debate over Ukrainophilism, the Empire's



suppression of Ukrainian literature and issues of colonialism.

Note: Expected to be given in 2003–04.

Prerequisite: Reading knowledge of Russian or Ukrainian.

Slavic 167. Slavic Romanticism

Catalog Number: 2241

George G. Grabowicz

Half course (fall term). Tu., 12–2, and a third hour for those wishing to consider the texts in the original. EXAM GROUP: 14, 15

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: All readings in English.

[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 2003–04. Please pick up a syllabus in Barker 374 before the term begins, as there will be a brief assignment for the first class meeting. Open to advanced undergraduates and graduates. Recommended for potential teaching fellows for Literature and Arts C-30.

[Slavic 180. Russian Symbolist Poetry]

Catalog Number: 6333

John E. Malmstad

Half course (fall term). Hours to be arranged.

A survey of the history of the Symbolist movement in Russia with emphasis on close reading of poetry by its major figures.

Note: Expected to be given in 2003–04.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 181a. Russian Poetry of the 19th Century]

Catalog Number: 3307

John E. Malmstad

Half course (fall term). Hours to be arranged.

The major themes and modes of Russian poetry from pre-Romanticism to “pure art.” Selections from Zhukovsky, Batiushkov, Baratynsky, Yazykov, Lermontov, Tiutchev, Nekrasov, Fet, and others.

Note: Expected to be given in 2003–04.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.



[Slavic 181b. 20th-Century Russian Poetry]

Catalog Number: 5560

John E. Malmstad

Half course (spring term). Hours to be arranged.

An introduction to the major trends of post-Symbolist poetry, with emphasis on the poets traditionally called the “Futurists” or “avant-garde.” Selections from Khlebnikov, Mayakovsky, Pasternak, Burliuk, Guro, and others.

Note: Expected to be given in 2003–04.

Prerequisite: Knowledge of Russian required.

Slavic 182. Problems in 20th-Century Poetry: Conference Course

Catalog Number: 3489

John E. Malmstad

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An examination of the poetry and poetics of three writers—Annensky, Kuzmin, and Khodasevich—whose works raise questions about the validity and usefulness of the ways in which scholarship categorizes early 20th-century poetry in terms of “isms” like Symbolism and Acmeism.

Note: Expected to be omitted in 2003–04.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

[Slavic 185. Two Poets: Conference Course]

Catalog Number: 1115

Stephanie Sandler

Half course (spring term). Hours to be arranged.

Compares two poets in their aesthetic inclination and temperament, response to public and private events, and reactions to other poets and to each another. Asks what kind of theories help read each poet, and how they in turn read others’ work. In 2000—2001, the poets were Joseph Brodsky and Ol’ga Sedakova.

Note: Expected to be given in 2003–04.

Prerequisite: Reading knowledge of Russian required.

Slavic 194. Modernism and Realism in Central Europe

Catalog Number: 5088

Peter A. Zusi

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

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](#)

[Comparative Literature 168. Literature and Film]

[Foreign Cultures 72. Russian Culture from Revolution to Perestroika]

[History 1542. Intellectual and Cultural Controversies: The Russian Intelligentsia: Conference Course]

[Linguistics 110. Introduction to Linguistics](#)

[Literature 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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the structure and history of Russian, Ukrainian, and Belarusian.

[Slavic 211. History of Muscovite Literature, 1400-1700: Conference Course]

Catalog Number: 3019

Michael S. Flier

Half course (spring term). Hours to be arranged.

Survey of Muscovite literary works, translated and original, in various genres, with some attention to Kievan and other antecedents. Includes reference to contemporary developments in religion, social and political history, linguistics, art, and architecture.

Note: Expected to be given in 2003–04. All readings in original languages.

Prerequisite: A firm command of Modern Russian, Linguistics 250, or permission of instructor.

[Slavic 223. 19th-Century Ukrainian Poetry]

Catalog Number: 2097

George G. Grabowicz

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

[Slavic 269. Structure of Russian for Instructors](#)

Catalog Number: 7807

Patricia R. Chaput

Half course (fall term). Tu., 2–5.

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). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2002–03: The Culture of Medieval Rus': Art, architecture, ritual, literature.

Note: Expected to be omitted in 2003–04. Recommended for potential teaching fellows for Literature and Arts C-28.

[Slavic 284. Tolstoy and Modernism: Conference Course]

Catalog Number: 2923

Justin Weir

Half course (spring term). Hours to be arranged.

Considers Tolstoy's major fiction as proto-modernist, and compares the reception of his works by Russian modernist authors to contemporary critical views. Works include *Sevastopol Stories*, *Anna Karenina* and several early and late stories.

Note: Expected to be given in 2003–04. All primary readings are in Russian.

[Slavic 285r. Modern Russian Literature: Seminar]

Catalog Number: 5182

John E. Malmstad

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2003–04. 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 and visual arts. Close reading/analysis of texts and artistic works from modernism and avant-garde to contemporary art with attention to the issues of cultural self-fashioning, national and sexual identity, bilingualism and exile. Texts by Mayakovsky, Shklovsky, Jakobson, Bakhtin, Tsvetaeva, Mandel'shtam, Nabokov, Brodsky, Iskrenko and Prigov. Artworks by Malevich, Goncharova, Popova, Kabakov, Komar and Melamid and others.

Note: Expected to be given in 2003–04. Expected to be given in 2003–04.

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). Hours to be arranged.

Examines how poems create self-images for poets working in and after Russian modernism, including Khlebnikov, Mandel'shtam, Tsvetaeva, Zabolotskii, Petrovykh, Brodsky, Sedakova, Shvarts, Iskrenko, Zhdanov, and Dragomoshchenko. Relies on literary and psychoanalytic



theories of identity.

Note: Expected to be given in 2004–05. Open to qualified undergraduates by permission of instructor.

Prerequisite: Reading knowledge of Russian required.

[Slavic 288. Sex, Self, and Russia: Conference Course]

Catalog Number: 0106

Stephanie Sandler

Half course (fall term). Hours to be arranged.

Explores the relationship among ideas of sexuality, identity, and desire in the cultural debates and creative psyches of modern Russian literary figures and filmmakers. Informed by feminist literary, historical, post-modern, and psychoanalytic criticism.

Note: Expected to be given in 2003–04.

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 2003–04.

[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 (Khvył'ovyj, Johansen, Domontovych, Kosach) and of the most recent period (Andijevs'ka, Andrukhovych, and others).

Note: Expected to be given in 2003–04.

[Slavic 296r. Slavic Linguistics: Seminar]

Catalog Number: 5196

Sue Brown

Half course (fall term). Hours to be arranged.

Topic for 2001-02: Comparative Slavic Morphosyntax. Covers important issues in Slavic morphosyntax, including case, word order, interpretive effects, negation, interrogativity, indefiniteness, WH-movement, anaphora, null subjects, predication, and voice. Compares Slavic behavior to behavior of non-Slavic languages.

Note: Expected to be given in 2003–04. 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). Hours to be arranged.

Introduction to graduate study in Slavic. Selected topics in literary analysis, history, and theory.

Note: Expected to be given in 2003–04. Open to qualified undergraduates by permission of the chairman.

Cross-listed Courses

[*Comparative Literature 260. Literature and Exile: Seminar]

[*Comparative Literature 261. Memory and Modernity: Seminar](#)

[*Comparative Literature 262. Aesthetics and Freedom]

[Comparative Literature 275. Theory of Narrative: Conference Course]

[Linguistics 250. Old Church Slavonic](#)

[Linguistics 252. Comparative Slavic Linguistics]

Graduate Courses of Reading and Research

***Slavic 300. Direction of Doctoral Dissertations**

Catalog Number: 4477

Svetlana Boym 1926 (on leave fall term), Sue Brown 2926 (on leave 2002-03), Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878 (on leave 2003-04), George G. Grabowicz 4511, John E. Malmstad 1219 (on leave spring term), Stephanie Sandler 1343 (on leave 2002-03), William Mills Todd III 1634, and Justin Weir 3407 (on leave spring term)

Members of the Department listed for Slavic 301 also direct doctoral dissertations.

***Slavic 301. Reading and Research**

Catalog Number: 3385

Svetlana Boym 1926 (on leave fall term), Sue Brown 2926 (on leave 2002-03), Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878 (on leave 2003-04), George G. Grabowicz 4511, John E. Malmstad 1219 (on leave spring term), Natalia Reed 3911, Stephanie Sandler 1343 (on leave 2002-03), William Mills Todd III 1634, and Justin Weir 3407 (on leave spring term)

***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*)

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*) (*Acting Chair*)

David Tabor Ellwood, Lucius N. Littauer Professor of Political Economy (*Kennedy School*)

Jennifer L. Hochschild, Professor of Government (*on leave 2003-04*)

Paul Pierson, Professor of Government

Mary C. Waters, Harvard College Professor and Professor of Sociology (*on leave 2002-03*)

Other Faculty Offering Instruction in Social Policy

Xavier de Souza Briggs, Assistant 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 United States and abroad (especially Western Europe). It will be of particular interest for students who wish to combine solid training in the fundamental theoretical perspectives and methodological traditions of either government or sociology with advanced study of policy responses to these social problems. Students who would like the flexibility to pursue careers in departments of sociology or government, in schools of public policy, and in policy and other non-profit organizations may find these joint degrees especially suitable.

Students in the joint degree programs are eligible to apply for the Multidisciplinary Program on Inequality and Social Policy at the end of their first year of study. This training and fellowship program provides for summer institutes, research apprenticeships, and a variety of other opportunities. Please see the Web site www.ksg.harvard.edu/inequality for more details.

Applications for admission to the PhD programs in Social Policy may be obtained from the Graduate School of Arts and Sciences, Admissions Office, Byerly Hall, 2nd Floor, 8 Garden Street, Cambridge, MA 02138. Further information about the joint degree programs may be



obtained from the program Web site (www.ksg.harvard.edu/socialpol). Questions or requests for additional printed materials should be directed to Pamela Metz, Director, via e-mail (socialpolicy@harvard.edu) or correspondence addressed to her attention at the Kennedy School of Government, 79 John F. Kennedy Street, Cambridge, MA 02138.

Primarily for graduates

*Sociology 296a. Proseminar on Inequality and Social Policy I

Note: Jointly offered with the Kennedy School as HLE-511.

*Government 2340. Proseminar on Inequality and Social Policy II.

Note: Jointly offered with the Kennedy School as HLE-512.

*Sociology 297. Workshop on Social Policy.

Note: Jointly offered with the Kennedy School as HLE-513.

Graduate Courses of Reading and Research

For Graduates

***Social Policy 301. Research and Social Policy**

Catalog Number: 3704

Christopher Winship 3189 and Xavier de Souza Briggs (Kennedy School) 4510

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

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, Lecturer on Social Studies (*Director of Studies*)
 Mariko Chang, Associate Professor of Sociology and of Social Studies
 John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs
 Richard N. Cooper, Maurits C. Boas Professor of International Economics
 Kimberly McClain DaCosta, Assistant Professor of Afro-American Studies and of Social Studies
 Gwendolyn Dordick, Associate Professor of Sociology and of Social Studies (*on leave 2003-04*)
 Peter Eli Gordon, Assistant Professor of History and of Social Studies (*on leave 2002-03*)
 Peter A. Hall, Harvard College Professor and Krupp Foundation Professor of European Studies
 Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
 Michael J. Hiscox, John L. Loeb Associate Professor of the Social Sciences (*on leave 2002-03*)
 Engseng Ho, Assistant Professor of Anthropology and of Social Studies (*on leave 2002-03*)
 Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor
 Richard M. Hunt, Senior Lecturer on Social Studies
 Torben Iversen, Professor of Government
 James T. Kloppenberg, Professor of History (*on leave 2002-03*)
 Michael Robert Kremer, Professor of Economics
 Steven R. Levitsky, Assistant Professor of Government and of Social Studies (*on leave fall term*)
 Charles S. Maier, Leverett Saltonstall Professor of History (*on leave fall term*)
 Peter V. Marsden, Professor of Sociology
 Rebecca Mary McLennan, Associate Professor of History and of Social Studies (*on leave 2002-03*)
 Glyn Morgan, Assistant Professor of Government and of Social Studies
 Nancy Lipton Rosenblum, Senator Joseph S. Clark Professor of Ethics in Politics and Government
 Tommie Shelby, Assistant Professor of Afro-American Studies and of Social Studies (*on leave 2002-03*)
 Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)
 Mary M. Steedly, Professor of Anthropology
 Christina Tarnopolsky, Assistant Professor of Government and of Social Studies

Other Faculty Offering Instruction in Social Studies

Jeffrey B. Abramson, Visiting Professor of Social Studies (*Brandeis University*)
 Kiku Adatto, Lecturer on Social Studies
 Terry K. Aladjem, Lecturer on Social Studies
 Kathleen R. Arnold, Lecturer on Social Studies, Teaching Assistant in Government
 Jane Fair Bestor, Lecturer on Social Studies
 Audrey Helfant Budding, Lecturer on Social Studies, Teaching Assistant in Special Concentrations
 Melissa L. Caldwell, Lecturer on Social Studies
 Oona Britt Ceder, Lecturer on Social Studies
 Elizabeth M. Doherty, Director of the Freshman Seminar Program and Senior Lecturer on Social Studies
 Corey Dolgon, Visiting Assistant Professor of Social Studies (*Worcester State College*)



Thomas Ertman, Visiting Professor of Social Studies (*New York University*)
William F. Fisher, Visiting Associate Professor of Social Studies (*Clark University*)
Kiaran Aeven Honderich, Lecturer on Social Studies
Lynne B. Layton, Assistant Clinical Professor of Psychology in the Department of Psychiatry (*Medical School*)
Stephen A. Marglin, Walter S. Barker Professor of Economics
Andrei Steven Markovits, Visiting Professor of Social Studies (*University of Michigan*)
Sylvia Maxfield, Visiting Professor of Social Studies
Jens Meierhenrich, Lecturer on Government, Lecturer on Social Studies
Lisa S. Rivera, Lecturer on Social Studies
James Schmidt, Visiting Professor of Social Studies (*Boston University*)
Carmen J. Sirianni, Visiting Associate Professor of Social Studies (*Brandeis University*)
Christopher J. Sturr, Lecturer on Social Studies
Amitai Touval, Lecturer on Social Studies
Farzin Vahdat, Lecturer on Social Studies
Lucia Volk, Lecturer on Anthropology
Christopher Winship, Professor of Sociology
Karen Zivi, Lecturer on Social Studies

Primarily for Undergraduates

***Social Studies 10. Introduction to Social Studies**

Catalog Number: 5278

Glyn Morgan and staff

Full course. Tu., 2–4, and section hours to be arranged. EXAM GROUP: 16, 17

An introduction to the classics of modern social theory and to major issues in social analysis. Readings in Adam Smith, Tocqueville, Marx, Mill, Weber, Durkheim, Freud, and in other 20th-century theorists.

Note: Lectures and sections limited to and required of first-year concentrators in Social Studies.

***Social Studies 20. Statistics for Social Studies**

Catalog Number: 3643

Mariko Chang

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

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 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). M., 4–6. EXAM GROUP: 9

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. EXAM GROUP: 8, 9

The contemporary American City displays a tremendous diversity. Within any metropolitan area is a heterogeneous assemblage of races, classes, and ethnic groups. Between cities such as Los Angeles and New York, Miami and Boston is considerable variation in social and spatial organization, economic futures, and culture. Through a survey of contemporary accounts of life in cities and their surrounding suburbs, this course will examine diversity within and among American urban centers.

***Social Studies 98bq. Popular Culture: Theories and Practices**

Catalog Number: 2209

Lynne B. Layton (Medical School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines the many theoretical perspectives on popular culture currently debated in academia—Marxist, feminist, psychoanalytic, semiotic. Focusing on one or two popular media as case studies, we will draw on the theories to inform textual analysis and to investigate issues of production and reception.

[*Social Studies 98cd. The Politics of Social Policy in the United States]

Catalog Number: 8657

Anya Bernstein

Half course (fall term). Hours to be arranged.

Examines social policy in the US and considers competing approaches to developing policy for the 21st century. Compares different perspectives on the nature and purposes of American social policy and explores how American institutions and political culture have shaped the development



of social policy throughout the 20th century. Case studies will include welfare, marriage and divorce, health care, education, child care, and Social Security.

Note: Expected to be given in 2003–04.

[*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 98dp. Childhood, Culture, and Social Reform]

Catalog Number: 6204

Kiku Adatto

Half course (fall term). Hours to be arranged.

How has the culture of childhood changed, and in what ways have the boundaries between childhood and adult life shifted? Framing these questions within a historical perspective, this seminar will trace the role of children in public discourse from the Progressive era to the present. Particular attention will be paid to civic and reform movements, the influence of the consumer and popular culture, and the powerful role of visual images in shaping and defining childhood.

Note: Expected to be given in 2003–04.

***Social Studies 98du. Enlightenment and Its Critics**

Catalog Number: 2654

James Schmidt (Boston University)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An examination of the vicissitudes of Enlightenment ideals of reason, critique, and autonomy over the last two centuries. It will explore how the arguments of the Enlightenment's contemporaries (including Kant, Diderot, and Hegel) have been taken up by such twentieth-century social theorists as Max Horkheimer, Theodor Adorno, Hans-Georg Gadamer, Jürgen Habermas, and Michel Foucault.

***Social Studies 98dw. Gender and Politics**

Catalog Number: 0447

Oona Britt Ceder

Half course (fall term). Hours to be arranged.

This course examines women's gender consciousness and political participation. First, students analyze the political activities and status of women in North America (e.g., Native American women's resistance to colonial rule; the political activism of African-American and white women; and the political emergence of Hispanic and Asian women). The second part of the



course focuses on the contribution of gender-based analysis to select topics approached from nation-based, comparative, and global perspectives.

[*Social Studies 98ea. Conflict and Cooperation in International Politics]

Catalog Number: 0554

Michael J. Hiscox

Half course (fall term). Hours to be arranged.

Examines sources of conflict and cooperation among nations in the current international system.

Issues covered include the origins and effects of alliances, deterrence, the impact of democratization, the effects of economic interdependence, environmental problems, ethnic conflict and cultural divisions in world politics.

Note: Expected to be given in 2003–04.

***Social Studies 98ed. Ideology and Critique**

Catalog Number: 5106

Christopher J. Sturr

Half course (fall term). W., 4–6. EXAM GROUP: 9

An examination of ideology in critical social theories. Course traces the concept from the Enlightenment through classical Marxism, the Second International, Western Marxism, and more recent theorists. Course ends by considering the relevance of the concept for a range of contemporary social-theoretical approaches with a liberatory agenda, including Marxism, feminism, anti-racism, post-colonial theory, and queer theory.

***Social Studies 98ep. Juries, Justice, and Democracy**

Catalog Number: 1144

Jeffrey B. Abramson (Brandeis University)

Half course (fall term). Hours to be arranged.

Do jury trials suggest a coherent theory of democratic justice? This tutorial examines legal materials that bear on the competence of ordinary persons to do justice as jurors. Topics include: jury nullification; selection of juries from a cross-section of the population; the influence of race and gender on jurors; and the death penalty.

***Social Studies 98eq. Globalization From Underneath**

Catalog Number: 1978

Kiaran Aeveen Honderich

Half course (fall term). Hours to be arranged. EXAM GROUP: 17, 18

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 98eu. The Western Alliance after the Cold War**

Catalog Number: 4124

Elizabeth M. Doherty



Half course (fall term). Hours to be arranged.

The Cold War alliance between the United States and Western Europe was based on shared democratic values and common strategic interests, and on the existence of a common external threat. Have the end of the bipolar world order and the establishment of a different political, economic, and strategic environment led to fundamental changes in the alliance? The course will examine the development and evolution of the western alliance during and after the Cold War.

***Social Studies 98ev. Sports as Culture in Advanced Industrial Democracies: The United States in a Comparative and Historical Context**

Catalog Number: 6566

Andrei Steven Markovits (University of Michigan)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Few things have characterized mass culture in the 20th century more consistently and thoroughly than sports. There can simply be no doubt that team sports in particular have comprised a cultural phenomenon that marks life in industrial societies. Why has this been the case? And how did this happen? Moreover, why did the United States deviate from the rest of the industrial world not in terms of the presence of such sports, but in their number and kind?

***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.

***Social Studies 98fd. Intermarriage**

Catalog Number: 9552

Kimberly McClain DaCosta

Half course (fall term). Hours to be arranged. EXAM GROUP: 16, 17

In this course we explore intermarriage as a concept and social fact. We evaluate the ways that social scientists have used intermarriage as a marker of racial, cultural, and religious assimilation and interrogate the possibilities and problems of doing so today.

***Social Studies 98ff. Facing Memory After Mass Trauma**

Catalog Number: 9539

Melissa L. Caldwell

Half course (fall term). Hours to be arranged.

Examines how ordinary people and societies cope with mass tragedies through acts of selective remembering and forgetting. Will be organized around three empirical themes: memory after colonialism, memory after communism, and memory after mass genocide. Topics include the nature of memory, remembering and forgetting as techniques of power, memory as truth claim, political control through memory, and the responsibilities and consequences of remembering and forgetting.



***Social Studies 98fg (formerly *Social Studies 98er). From the Shop Floor to the Streets: The History, Politics, and Culture of Social Movements in the US**

Catalog Number: 6954

Corey Dolgon (Worcester State College)

Half course (fall term). W., 6–8 p.m. EXAM GROUP: 9

The course examines how social movements shape U.S. history and politics. We start by looking at sociological theories of social movements and then investigate early labor, abolitionist and suffrage organizing. We continue with the “maturing” labor movement, the rise of Communism and Socialism, and the birth of “community” organizing. We’ll also discuss conservative phenomena such as temperance, white supremacy, and “Americanism” movements. We conclude by discussing the “new” movements of the 1960s and the resurgence in both local and global organizing.

Social Studies 98fh. Contemporary Issues in Latin American Politics and Economics

Catalog Number: 9767

Sylvia Maxfield

Half course (fall term). Hours to be arranged.

This seminar will cover a variety of topics on the agenda of governments, activists and entrepreneurs in contemporary Latin America. Topics include voters and democracy, the political role of the media, human resources and technology, trade politics and competitiveness, environmental degradation, government - business relations, political parties and the role of legislatures, the judicial system and Latin America’s legal tradition and exchange rate politics and the Argentine crisis.

Social Studies 98 — Junior Tutorials: Spring Term

***Social Studies 98ck. Community Empowerment and Civic Democracy in the Contemporary United States: Theory, Practice, and Policy**

Catalog Number: 9316

Carmen J. Sirianni (Brandeis University)

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7

Analyzes innovations in community organizing, civic engagement, and “policy design for democracy” in a variety of arenas (urban development, environment, health, journalism, social services, education) over the past several decades in the U.S. Examines these in terms of theories of deliberative democracy, social capital, and civil society, as well as debates on the future of the welfare state and regulatory politics. Considers the larger crisis of American democracy and the possibilities of civic renewal.

***Social Studies 98cl. Law and American Society**

Catalog Number: 7389

Terry K. Aladjem

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Examines law as a defining force in American culture and society in four dimensions—as it establishes individual rights, liberties, and limits of toleration; as it attempts to resolve differences among competing constituencies; as it sets out terms of punishment and social control, and as a source of informing images and ideological consistency.



***Social Studies 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 98dj. The Rule of Law: Social Theoretical Debates]

Catalog Number: 7023

Rebecca Mary McLennan

Half course (spring term). Hours to be arranged.

How has the advent of corporate capitalism, private and public bureaucracies, and “globalization” affected the operations of formal, calculable legal principles. 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.

Note: Expected to be given in 2003–04.

***Social Studies 98dx. Feminist Theory: Equality, Identity, Difference**

Catalog Number: 3055

Oona Britt Ceder

Half course (spring term). M., 3:30–5:30. 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 will be considered. Through analysis, students will acquire an understanding of the relationship between feminist theories and activism and major traditions of social and political critique.

[*Social Studies 98eb. The Politics of International Trade]

Catalog Number: 9198

Michael J. Hiscox

Half course (spring term). Hours to be arranged.

Examines political conflict over international trade. Major issues covered include the relationship between trade and national security, and the effects of trade on different classes and groups within nations. The seminar will address debates about strategic trade policy and competition between industrial states, the particular difficulties faced by developing economies, regional trade agreements, the role of the WTO, and the use of economic sanctions.

Note: Expected to be given in 2003–04.



***Social Studies 98ei. The Construction of Race in Society and History**

Catalog Number: 5960

Kimberly McClain DaCosta

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Offers a comparative sociohistorical analysis of that peculiar form of ethnicity called “race”. Using a wide range of empirical and theoretical materials, we problematize what is too often considered settled, namely, what constitutes “race”. We explore historical and cross-national variations in the bases of racial division, as well as the mechanisms through which racial domination is reproduced, including prejudice, discrimination, segregation, ghettoization, and violence.

***Social Studies 98ej. Nation, State, and Violence in the Twentieth Century**

Catalog Number: 1385

Audrey Helfant Budding

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Nationally-driven violence has been a defining feature of the twentieth century. At a horrific human cost, homogeneous “national” states have emerged out of many formerly mixed areas of Europe and the post-colonial world. As we explore this process, we will analyze the dynamics of nationalist mobilization and the nature of “ethnic cleansing.” Specific topics will include Stalinist deportations of peoples, the Holocaust, the Rwandan genocide, and the post-Yugoslav wars.

***Social Studies 98ek. Globalization, Transnationalism, and Migration**

Catalog Number: 2433

Lucia Volk

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

How can we make sense of cross-border flows of money, commodities, cultural symbols and people in the context of social science research which has traditionally focused on bounded communities, be it a village, neighborhood or nation? In this course, we will study different theoretically approaches to global flows as well as case studies that illuminate how people, goods and ideas intersect across multiple spaces and identities.

[*Social Studies 98en. Housing and Homelessness: Exploring the Importance of Place, Shelter, and Home in America]

Catalog Number: 9263

Gwendolyn Dordick

Half course (spring term). Hours to be arranged.

Housing is more than bricks and mortar. The places we live provide us personal security and comfort, a social environment and the basis for strong feelings of identity and belonging. We will examine the material, social and cultural aspects of housing and homelessness in American society. A particular, but not exclusive, focus on homelessness will bring to the foreground the often taken-for-granted aspects of place, shelter, and home that are true across the socioeconomic spectrum.

Note: Expected to be given in 2003–04.



***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 will be manners and civility, the culture of everyday life, popular culture, and culture and globalization.

***Social Studies 98ew. The Politics of Fascism and Right-Wing Movements in Comparative Perspective**

Catalog Number: 9737

Andrei Steven Markovits (University of Michigan)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Analyzes a particular form of political participation, the social and historical aspects of fascisms and right-wing movements. What is fascism? When does it arise? Who are its supporters? Who are its beneficiaries? Above all, what is its relationship to that ubiquitous and fascinating social process known as "modernization"? Was it a unique phenomenon "in its own time and place" i.e. the Europe of the 1920s and 1930s, or does it continue to exist bearing different names and altered guises?

***Social Studies 98ex. The European Left Since 1945**

Catalog Number: 9708

Andrei Steven Markovits (University of Michigan)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The tutorial will analyze the key characteristics of Europe's two lefts: Its traditional "red" variant; as well as its newer "green" version. By looking at developments in Germany, France, Italy and Britain, the course will highlight the transition from "red" to "green" left and investigate what these massive changes have wrought for the left as a whole, as well as the environment wherein it operates.

***Social Studies 98ey. States in Africa**

Catalog Number: 9731

Jens Meierhenrich

Half course (spring term). Th., 4–6. EXAM GROUP: 9, 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 98ez. International Justice**

Catalog Number: 9566

Lisa S. Rivera



Half course (spring term). Hours to be arranged.

Some believe that "in the realm of international politics lies are not lies or murders murders." Others claim that the need for a conception of global justice has never been greater because of globalization's profound effect on democracy and human well-being. We'll consider arguments about the background moral conceptions that ground the possibility for international justice and then apply these to issues such as the use of force, global inequality, and free trade.

***Social Studies 98fb. Social Theory and the Arts**

Catalog Number: 9866

Thomas Ertman (New York University)

Half course (spring term). Tu., 7:30–9:30 p.m. EXAM GROUP: 18

Focuses on the close reading and analysis of foundational texts by Nietzsche, Benjamin, Adorno and Bourdieu on the relationship between the arts and society.

***Social Studies 98fc. Religion, Identity, and Violence in a Globalizing World**

Catalog Number: 8631

William F. Fisher (Clark University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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 98fe. Topics of Economic Sociology**

Catalog Number: 9709

Mariko Chang

Half course (spring term). Hours to be arranged.

Focuses on three sub-topics within the field of economic sociology: economic inequality, markets, and culture. Constructed around the general topic of the causes and consequences of wealth inequality, we will address how it intersects with other forms of economic inequality, and the role played by markets and culture. Some guiding questions: What are the sociological explanations for economic inequality? Do people's attitudes toward money, investment, and wealth differ along racial, class, and gender lines?

***Social Studies 98xx. Urban Village or Urban Pillage: The Life, Death and Dreams of American Cities**

Catalog Number: 9332

Corey Dolgon (Worcester State College)

Half course (spring term). Hours to be arranged.

This course investigates theories and approaches to studying urban space and the history of economic development, political struggles, and social identities of cities. We examine the relationships between urban geography, economic markets, and class structure; industrialization, immigration, and urban politics; and the cultural meanings of contemporary urban, suburban, and



exurban spaces. Our goal is to apply theory and analysis to practical concerns for building humane urban landscapes.

Sociology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sociology

Mary C. Waters, Harvard College Professor and Professor of Sociology (*Chair*) (*on leave 2002-03*)

Peter V. Marsden, Professor of Sociology (*Acting Chair*)

Kenneth T. Andrews, John L. Loeb Associate Professor of Social Sciences (*Head Tutor*)

Lawrence D. Bobo, Norman Tishman and Charles M. Diker Professor of Sociology and of Afro-American Studies

Prudence L. Carter, Assistant Professor of Sociology (*on leave 2003-04*)

Mariko Chang, Associate Professor of Sociology and of Social Studies

Gwendolyn Dordick, Associate Professor of Sociology and of Social Studies (*on leave 2003-04*)

Dwight Fee, Visiting Assistant Professor of Sociology (*Middlebury College*)

David R. Gibson, Assistant Professor of Sociology (*on leave spring term*)

Jason A. Kaufman, Assistant Professor of Sociology

Stanley Lieberman, Abbott Lawrence Lowell Professor of Sociology

Orlando Patterson, John Cowles Professor of Sociology

Joel Podolny, Professor of Sociology and Professor of Business Administration

Libby Schweber, Associate Professor of Sociology

Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology (*on leave spring term*)

Martin K. Whyte, Professor of Sociology (*Director of Graduate Studies*)

Christopher Winship, Professor of Sociology

Other Faculty Offering Instruction in the Department of Sociology

Nicholas Alexander Christakis, Professor of Medical Sociology in the Department of Health Care Policy (*Medical School*)

Leslie Gwen Cintron, Lecturer on Sociology

Barbara Jane Elliott, Visiting Lecturer on Sociology (*University of Liverpool*)

David Tabor Ellwood, Lucius N. Littauer Professor of Political Economy (*Kennedy School*)

Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Ziad Wael Munson, Lecturer on Sociology



Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*)

Mary Ruggie, Visiting Professor of Public Policy (*Kennedy School*)

Annemette Sorensen, Lecturer on Sociology

William Julius Wilson, Harvard University Professor and Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Mark J. Zimny, Lecturer on Sociology

Introductory Courses

Sociology 10. Introduction to Sociology

Catalog Number: 4814

Jason A. Kaufman

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

Distinguishes five approaches to the study of society — those centered on society as a whole, those centered on groups, and those centered on individuals, interactions, and cultures.

Introduces a range of classical and contemporary literatures to illustrate each approach, and thereby provides a broad survey of substantive fields of sociological interest, from religion and race to sports and friendship.

Note: Counts for introductory concentration requirement.

Sociology 11. American Society

Catalog Number: 3469

Gwendolyn Dordick

Half course (fall term). T., Th., at 10 and a discussion section to be arranged. EXAM GROUP: 12

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: Counts for introductory concentration requirement.

Sociology 24. Introduction to Social Stratification

Catalog Number: 9417

Mariko Chang

Half course (spring term). Tu., 7–9 p.m.

Examines individual and structural explanations for the generation and maintenance of inequality in the US and the influence of stratification on individuals and groups.

Note: Counts for introductory concentration requirement.

[Sociology 25. Introduction to the Sociology of Organizations]

Catalog Number: 3609

Peter V. Marsden

Half course (fall term). Hours to be arranged.

Introduces the sociological study of formal organizations. Surveys basic concepts, emphases, and



approaches. Attention given to processes within organizations, as well as to relationships between organizations and their environments. Topics include bureaucracy, leadership and power in organizations, interorganizational networks, and coordination among organizations. *Note:* Expected to be given in 2003–04. Counts for introductory concentration requirement.

Sociology 38. Introduction to the Sociology of Culture

Catalog Number: 9912

Leslie Gwen Cintron

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Introduces research and theory in the sociology of culture. Reviews classic and contemporary debates. Topics will 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: Counts for introductory concentration requirement.

Sociology 40. Introduction to Human Societies

Catalog Number: 4512

Mark J. Zimny

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Introduces the distinct way of thinking and seeing the world through the sociological perspective. Topics to be covered include socialization, immigration, deviance, urbanization, race, ethnicity and genocide, and the particular concepts and tools that sociologists use to study human social life.

Note: Counts for introductory concentration requirement.

Sociology 60. Race and Ethnic Relations

Catalog Number: 4114

Prudence L. Carter

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Examines race and ethnic relations in the United States from a theoretical, historical, and comparative perspective. Explores the emergence of racial and ethnic minorities through such historical processes as colonialism, slavery, and immigration. Studies the current relations among racial and ethnic groups in the United States.

Note: Counts for introductory concentration requirement.

Sociology 68. Social Movements

Catalog Number: 0507

Kenneth T. Andrews

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Explores the origins, dynamics, and consequences of social movements from a sociological perspective. Topics include: the emergence of movements, recruitment and leadership, interactions of movements with the mass media, political institutions, elites and the broader public, tactics(e.g. nonviolent direct action, litigation), and the success and failure of movements. Many specific cases are covered including civil rights, women's, conservative/right-wing, pro-



democracy, nationalist, and environmental movements.

Note: Counts for introductory concentration requirement.

Sociology 83. Introduction to Small Groups

Catalog Number: 9907

David R. Gibson

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

Introduces students to sociological research on primary groups, small-group decision-making, face-to-face interaction, identity, emotions, and social networks.

Note: Counts for Introductory concentration requirement.

Cross-listed Courses

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations]

Quantitative Reasoning 36. Statistics and Public Policy

[Social Analysis 54. American Society and Public Policy]

Tutorials

***Sociology 91r. Supervised Reading and Research**

Catalog Number: 4449

Kenneth T. Andrews and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in sociology under the supervision of teaching staff in the department. A graded supervised course of reading and research on a topic not covered by regular courses of instruction.

Note: Students negotiate topics on their own. A final paper must be filed in the sociology undergraduate office.

***Sociology 96. Individual Community Research Internship**

Catalog Number: 7425

Kenneth T. Andrews and staff

Half course (spring term). W., 6–8 p.m. First meeting required.

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, usually sophomores.

***Sociology 98. Junior Tutorial**

Catalog Number: 5943

Kenneth T. Andrews and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 16, 17

Small group research projects centered on common topics that vary by seminar and year. Recent topics have been on migration; science and society; advancing research and social policies in Afro-America; controversies of ideology and social knowledge; ethnic and racial identity; and sex and race in employment. This year topics include 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

Kenneth T. Andrews and members of the Department

Full course. Hours to be arranged.

Supervision of theses or other honors projects.

Note: Limited to concentrators, ordinarily seniors. In addition, students of Sociology 99 may also enroll in a fall term only, optional, regularly scheduled weekly group seminar for consultation and discussion about choice of problems, possible data, and research procedures.

For Undergraduates and Graduates

Sociology 107. The American Family

Catalog Number: 9124

Martin K. Whyte

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines patterns and trends in American family life, both sociologically and historically. Topics covered include changes in the nature of marriage; women's roles; kinship relations; sexual attitudes and behaviors; divorce; and child rearing.

Sociology 108. The Sociology of Work and Family

Catalog Number: 9487

Leslie Gwen Cintron

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 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 (fall term). M., 1–3. EXAM GROUP: 6, 7

Explores the sociological meaning of income and wealth and the ways in which these socially constructed meanings interact with social and economic behavior. Centered around the questions: In what ways are the economic and the social embedded? How are people's perceptions of income and wealth shaped by social institutions such as the family, the economy, and the state? What are the sociological explanations for the distribution of income and wealth in society? What are the societal effects of growing or shrinking economic inequality?

Note: Limited Enrollment.

Sociology 116. Professions and Disciplines

Catalog Number: 1305

Libby Schweber

Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

Examines the organization and power of professions and academic disciplines in modern society. Topics include: bases of professional authority, ethics, social stratification, and the role of professional knowledge in the social construction of reality. Special attention is paid to the cases of medicine, law, and the social sciences in the US.

Sociology 117. Religion and Society

Catalog Number: 1570

Ziad Wael Munson

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Examines the relationship between society and religious institutions, religious beliefs, and religious practices. Major topics covered include the question of whether or not modern society is becoming more secular, the place of religion in politics, religious conversion, new religious movements, and the role of religious rituals and symbols in the modern world. These topics are explored using both classical sociological theory and contemporary empirical data.

***Sociology 128. Paradigms of Social Inquiry**

Catalog Number: 5979

David R. Gibson

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Introduces sociological thinking—what is a sociological problem, how to pose one, what alternative answers might be, how to weigh the evidence. Case studies of sociological research and theorizing. Stresses logic and reasoning, not particular statistical methods.

Note: Prerequisite to Sociology 156. Required of Sociology concentrators.



[Sociology 129. Political Sociology]

Catalog Number: 2495

Half course (spring term). Hours to be arranged.

An examination of the sociological approaches to power, politics, and the state. Major topics will include: state formation, revolution, nationalism, warfare, the formation and consequences of major policy initiatives, citizenship and rights, social movements, and the influence of various groups in politics.

Note: Expected to be given in 2003–04.

[*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 2003–04.

Sociology 136. Pathways to Public Service

Catalog Number: 9739

Christopher Winship

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This course brings 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). Tu., Th., at 1. EXAM GROUP: 15

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 141. Social Institutions of Contemporary China]

Catalog Number: 9333

Martin K. Whyte



Half course (fall term). Hours to be arranged.

Introduction to the patterns of social life in China and how these have changed since the revolution in 1949. Topics covered include political institutions, work organizations, village life, cities, family life, schooling, and inequality.

Note: Expected to be given in 2003–04.

***Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course**

Catalog Number: 8242 Enrollment: Limited to 20.

Orlando Patterson

Half course (spring term). W., 4–6. EXAM GROUP: 9

Ethnicity has emerged as one of the most important forces in the modern world. It is the source of collective identity, communal solidarity, and nation building as well as the inspiration for resistance to colonial domination and dictatorial regimes. It has also been a major source of political, social, and economic conflicts throughout the world, in some cases resulting in genocidal wars between groups. The course explores the nature of ethnicity, the main theoretical approaches to the subject, and case studies of ethnic formation and conflict around the world, paying special attention to the relationship between ethnicity and religion, language, racism, and modernization.

***Sociology 150. The Social Underpinnings of Taste**

Catalog Number: 4638

Stanley Lieberson

Half course (fall term). (M.), W., F., at 11. EXAM GROUP: 4

Examines current empirical and theoretical information about the social factors influencing our tastes. This includes work on naming practices, fashion, art, and pop culture. Considers how tastes are molded and changed by social class, political and social events, age cohorts, and education, as well as internal processes.

Sociology 153. Media and the American Mind

Catalog Number: 8867

Jason A. Kaufman

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

Explores American society through the lens of its various media, including but not restricted to television, theatre, literature, and music. Topics include class and cultural consumption, the business dynamics of the art world, the co-optation and subversion of dominant art forms, the impact of information networks on social structure and social development, and the power of advertising and mass media. Designed to be both fun and informative. Appropriate for sociology concentrators and non-concentrators alike.

***Sociology 156. Quantitative Methods in Sociology**

Catalog Number: 8958

Peter V. Marsden

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Introduces quantitative analysis in social research, including principles of research design and the use of empirical evidence, particularly from social surveys. Descriptive and inferential statistics, contingency table analysis, and regression analysis. Emphasis on analysis of data and



presentation of results in research reports.

Note: Required of and limited to Sociology concentrators, ordinarily sophomores.

Prerequisite: Sociology 128.

Sociology 157. Gender and Social Policy: Conference Course

Catalog Number: 3030

Mary Ruggie (Kennedy School)

Half course (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 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). M., 1–3. EXAM GROUP: 6, 7

Examines the evidence about the nature and causes of gender stratification in post-industrial societies. Consequences of gender stratification for family life, for relations between men and women, and for class and race inequalities are considered.

Note: Expected to be given in 2003–04.

[Sociology 160. Medicine, Health Policy and Ethics in Comparative Perspective: Conference Course]

Catalog Number: 3456 Enrollment: Limited to 20.

Mary-Jo Del Vecchio Good (Medical School)

Half course (fall term). Hours to be arranged.

Complements Sociology 162. Provides opportunities to study in greater depth topics of: culture and political economy of bio-medicine; health policies at national and international levels; and bioethics. Students will read case materials, journal articles and ethnographies as well as conduct “data searches” from the web and from more traditional sources, and choose course projects that may include field research as well as literature or document based studies.

Note: Expected to be given in 2003–04.

[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 2003–04.



[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 and life in post-welfare America explored.

Note: Expected to be given in 2003–04.

Sociology 167. The Social Origins of Terrorism

Catalog Number: 9817

Ziad Wael Munson

Half course (fall term). M., W., (F.), at 2. EXAM GROUP: 7

Examines the social, religious, and political foundations of terrorism by studying the roots of terrorism historically and cross-nationally. We will 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 will have a chance to better understand the beliefs of terrorists, conditions that produce and sustain terrorism, and the origins of political violence more generally.

Sociology 169. Organizations and Deviance: Conference Course

Catalog Number: 9466

Mark J. Zimny

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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 172. Knowledge and Power: Conference Course]

Catalog Number: 0993

Libby Schweber

Half course (spring term). Hours to be arranged.

Examines the changing place of knowledge in modern society and changing ways of thinking about the relation of knowledge and power. Readings are organized around three themes: intellectuals in politics, knowledge as a form of discipline and knowledge as a form of liberation. Topics include: Taylorism, Social Policy, Reproductive Technology, AIDS Research, Education and Deviance.

Note: Expected to be given in 2003–04.



Sociology 174. Images of Truth

Catalog Number: 9623

Joel Podolny

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Many social scientific advances occur, primarily, through the elaboration of visual images and schemas that elucidate previously unrecognized similarities and differences between experiences and, secondarily, through the identification of mechanisms that underlie the separation and pooling of those experiences. This course explores the use of visual imagery as a methodological approach by examining some of the major sociological contributions over the last century, especially in the areas of organizations, network analysis, economic sociology, and stratification.

Sociology 184. Freedom in America: An Historical Sociology: Conference Course

Catalog Number: 9740

Orlando Patterson

Half course (fall term). W., 1-3. EXAM GROUP: 6, 7

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 (fall 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. Theories of Nationalism: Conference Course]

Catalog Number: 9562

Libby Schweber

Half course (spring term). Hours to be arranged.

Surveys theories of nationalism with an interest in the relations between nationalism, politics, ethnicity and religion. Topics include nationalism as a response to uneven economic development, nationalism and alienation, as an affirmation of primordial identities and theses concerning the end of nationalism. Also focuses on technologies of nationalism, including the use of maps, censuses, public rituals, films and other medium in the cultural consolidation of the nation.

Note: Expected to be given in 2003-04.



Sociology 191. Cities and Regions: Conference Course

Catalog Number: 6203 Enrollment: Limited to 25.

Leslie Gwen Cintron

Half course (spring 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.

Cross-listed Courses

[*Afro-American Studies 196. Sociological Perspectives on Racial Inequality in America: Seminar]

[Afro-American Studies 196z. Race, Segregation and Inequality]

Psychology 15. Social Psychology

Women’s Studies 125. Gender and Health

Primarily for Graduates

***Sociology 203a. Methods of Quantitative Sociological Research I**

Catalog Number: 3315

Christopher Winship

Half course (spring term). M., W., (F.), 10–12. EXAM GROUP: 3, 4

Focuses on a matrix approach to regression analysis with an emphasis on the assumptions behind OLS and the consequences of their violation. Extensions are studied including instrumental variables, generalized least squares, probit and logit models, survival analysis, and hierarchical linear models. Provides an introduction to systems of equations, including path models and simultaneous equations.

Note: Required of first-year graduate students in Sociology.

Prerequisite: Basic course in regression analysis.

***Sociology 203b. Methods of Quantitative Sociological Research II**

Catalog Number: 1860

Peter V. Marsden

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Treats longitudinal design and methods for the statistical analysis of longitudinal data with an emphasis on the analysis of change in discrete variables, or event history analysis. Includes an introduction to time series analysis. Both statistical theory and practical applications will be covered.

Note: Intended primarily for graduate students in Sociology.

Prerequisite: Sociology 203a.

[*Sociology 203c. Analysis of Categorical Data]

Catalog Number: 2951



Christopher Winship

Half course (spring term). Hours to be arranged.

Provides an introduction to methods for the multivariate analysis of categorical data. Covers loglinear analysis for the applied practitioner. Additional topics include logit and probit analysis, models for ordinal data, multinomial and conditional logit models, path analysis for categorical variables, and latent class analysis. Emphasis on empirical applications in the social sciences.

Note: Expected to be given in 2003–04.

Prerequisite: Sociology 203a or permission of instructor.

Sociology 204. Sociological Theory: Seminar

Catalog Number: 6189

Libby Schweber

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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). .

Examines debates surrounding the nature of the process of economic development. Major attention is devoted to rival theories of where and why development occurs and to a variety of social consequences of economic development.

Note: Expected to be given in 2003–04.

***Sociology 208. Contemporary Theory and Research: Seminar**

Catalog Number: 6080

David R. Gibson

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Develops tools for the construction of sociological theory. Compares major contemporary sociological theories and their applications to the study of social organization. Emphasis is placed on adjudicating among competing explanations based on evidence and critical assessment of a theory's logic.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 209. Qualitative Social Analysis**

Catalog Number: 1198

Prudence L. Carter

Half course (fall term). W., 3-5. EXAM GROUP: 8, 9

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 Lieberman

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Special problems occur in the interpretation of results based on non-experimental data — whether they are from surveys, historical research, field work, or other sources. These issues apply to both quantitative and qualitative studies, and are different from those resolved through statistical solutions. We consider the assumptions employed, their appropriateness, and various solutions.

Sociology 217. Sociology of Families and Kinship: Seminar

Catalog Number: 8522

Martin K. Whyte

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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.

[*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 2003–04.

Sociology 224. Organizational Analysis

Catalog Number: 8202

Joel Podolny

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Surveys sociological perspectives on organizations and environments. Reviews classical and contemporary theories of bureaucracy and organization-environment relations. Attention to perspectives including ecological, institutional, resource dependence, transaction-cost, agency theory, learning theory, and organizational culture. Examination of phenomena at multiple levels from the establishment to the organizational network or field.

[Sociology 226. Topics in Social Organization]

Catalog Number: 9258

Peter V. Marsden

Half course (fall term). Hours to be arranged.

Recent theory and research on social organization, including both organizational analysis and social networks. Topics may include network exchange theory, organizational ecology, and social influence models, among others. Some attention to quantitative techniques useful in the



study of social organization, including event-history analysis, event-count analysis and multilevel analysis. It is expected that students enrolling will have graduate-level background in the study of social organization and social networks.

Note: Expected to be given in 2003–04.

***Sociology 227. Political Sociology: Seminar**

Catalog Number: 6042

Kenneth T. Andrews

Half course (fall term). W., 1-3. EXAM GROUP: 6, 7

Examines the field of political sociology including theoretical and programmatic statements of classical theorists and recent debates in the field. Substantive topics covered will include the state and economy, revolution and warfare, social inequality and policy, democracy and political participation, social movements and interest groups.

[*Sociology 232. Social Movements: Seminar]

Catalog Number: 1333

Kenneth T. Andrews

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 2003–04.

Sociology 237. Contemporary Chinese Society: Seminar

Catalog Number: 4320

Martin K. Whyte

Half course (fall 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 244. Topics in Economic Sociology]

Catalog Number: 8692

Mariko Chang

Half course (fall term). Hours to be arranged.

Introduction to the field of economic sociology at the graduate level. Structured around 3-5 “sub-topics” within the literature, permitting a balance between breadth and depth, while enabling students to explore material in greater detail than would be feasible in most graduate level introductory courses.

Note: Expected to be given in 2003–04.

Sociology 248. Race, Politics, and Social Inequality

Catalog Number: 8035

Lawrence D. Bobo

Half course (spring term). Th., 11–1. EXAM GROUP: 13, 14



Examines the place where race, public will, and policy-making intersect and reviews theories of race-making and racial inequality, the dynamics of public opinion, and the effects of a racialized public sphere on social policy. Focuses attention on the shaping of the welfare state, crime and the criminal justice system, and the social and political dynamics of an increasingly multiethnic society.

***Sociology 249. "Race," Culture and Social Structure: Seminar**

Catalog Number: 5727

Orlando Patterson

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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.

[*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 2003–04.

Sociology 252. Gender, Work and Organisations: an Introduction to Key Issues and Debates: Seminar

Catalog Number: 9702

Barbara Jane Elliott (University of Liverpool)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines recent empirical material and theoretical debates around a) the construction of masculinities and femininities, b) gender inequalities in employment c) the salience of gender in bureaucratic organisations. Emphasis on range of sociological material from Western Europe and Australia as well as the US.

Sociology 256. Sociology of Education: Seminar

Catalog Number: 7794

Prudence L. Carter

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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.



[*Sociology 259. Civic Engagement: Theories, Research, and Strategies]

Catalog Number: 8759

Theda Skocpol

Half course (spring term). Hours to be arranged.

Surveys theories and empirical research about civic engagement in the US and other democracies. Considers practical strategies attempted by movements and actors seeking to enhance civic participation.

Note: Expected to be given in 2003–04.

Prerequisite: Permission of the instructor required.

Sociology 261. Studying Life Histories

Catalog Number: 9845

Annemette Sorensen

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

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.

[*Sociology 271. Sociology of Culture]

Catalog Number: 5401

Jason A. Kaufman

Half course (fall term). Hours to be arranged.

A review of contemporary themes and approaches in the sociology of culture. Topics will include theories of media and mass society; high-brow and low-brow in cultural consumption; class, culture, and power; the production of culture; neo-institutionalism and the dissemination of schema; culture and cognition; incorporating culture in macro-theories of social change; and current methodological strategies for the empirical study of cultural processes.

Note: Expected to be given in 2003–04.

Sociology 273. Models of Social Dynamics

Catalog Number: 9525

David R. Gibson

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Explores mathematical (and especially simulation) models of social dynamics, in order to evaluate their usefulness as instruments of sociological insight. Students may be required to devise and implement models of their own (if the technical background can be assumed or imparted).

[*Sociology 275. Social Network Analysis]

Catalog Number: 6899

Peter V. Marsden

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Teaches concepts and methods for studying social structure in terms of social relationships or social networks. Approaches to collection of network data; issues of data quality; analysis of total network data via graph-theoretic techniques, multidimensional scaling, block models and



related methods; analysis of survey network data on interpersonal environments of individuals.

Note: Expected to be given in 2003–04.

Sociology 286. The New Culture of Poverty

Catalog Number: 9903

Gwendolyn Dordick

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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.

***Sociology 296a. Proseminar on Inequality and Social Policy I**

Catalog Number: 6231 Enrollment: Limited to 18.

David Tabor Ellwood (Kennedy School)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Deals with the causes of economic inequality, including demand for various kinds of skills, the supply of such skills, cultural differences, political attitudes, political institutions, and living arrangements.

Note: Offered jointly with the Kennedy School of Government as HLE-511.

***Sociology 296b. Proseminar on Inequality and Social Policy II**

Catalog Number: 0193

Christopher Jencks (Kennedy School)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Deals with the reasons for changes in economic inequality, including changes in the supply and demand for skills, employment patterns, living arrangements, residential segregation by race and class, discrimination against women and minorities, immigration, the growth of the welfare state, and recent changes in welfare regulations.

Note: Offered jointly with the Kennedy School of Government as HLE-512.

Cross-listed Courses

[Government 2008 (formerly Government 2141). History, Institutions, and Political Analysis]

Government 2326. American Political Development and Contemporary Politics

Government 2578. Race and Politics in the United States

***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

Half course (spring term). W., 12–2.

The workshop will be a venue for graduate students and other advanced scholars working on all



aspects of minority-majority relations, the condition of Afro-Americans and other disadvantaged ethnic groups, and the evaluation of related public policies and programs.

***Sociology 301. Special Reading and Research**

Catalog Number: 4017

Mary C. Waters 1498 (on leave 2002-03), Kenneth T. Andrews 3604, Lawrence D. Bobo 2919, Prudence L. Carter 3973 (on leave 2003-04), Mariko Chang 1563, Nicholas Alexander Christakis (Medical School) 4459, Leslie Gwen Cintron 3738, Gwendolyn Dordick 3011 (on leave 2003-04), Barbara Jane Elliott (University of Liverpool) 4508 (fall term only), 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, Stanley Lieberman 1937, Peter V. Marsden 1797, Ziad Wael Munson 4283, Katherine Newman (Kennedy School) 2651, Orlando Patterson 1091, Joel Podolny 4483, Libby Schweber 3018, Theda Skocpol 1387 (on leave spring term), Annemette Sorensen 4159, 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

Half course (fall term; repeated spring term). W., 12–2.

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

Kenneth T. Andrews 3604 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

Stanley Lieberman 1937

Half course (fall term; repeated spring term). Fall: F., 12–2; Spring: Th., 12–2;. EXAM

GROUP: Fall: 5, 6; Spring: 14, 15

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 (formerly *Sociology 297). Workshop on Inequality and Social Policy 111**

Catalog Number: 0137

Christopher Jencks (Kennedy School) 2160



Half course (fall term). M., 2–4.

Students who have completed Sociology 296a or 296b may enroll in this workshop where they will develop their papers from the previous year's course into professional presentations and publishable articles, critique fellow student papers across disciplines, and discuss at length the presentation of national experts who appear in the seminar on inequality and social policy.

Note: 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

Kenneth T. Andrews 3604 and Jason A. Kaufman 2147

Half course (fall term; repeated spring term). M., 4–6.

Bi-weekly colloquium for graduate students that examines social movements, politics, and religion. Students will participate in meetings and present original research.

Cross-listed Courses

***Government 3004. Research Workshop in American Politics**

***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

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture

Sugata Bose, Gardiner Professor of Oceanic History and Affairs

Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art

Diana L. Eck, Professor of Comparative Religion and Indian Studies

Stephanie W. Jamison

William A. Graham, Jr., Albertson Professor of Middle Eastern Studies and Professor of the History of Religion

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology

Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*)

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology (*FAS*) and Professor of Psychiatry and Medical Anthropology (*Medical School*)



C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
 John H. Mansfield, John H. Watson Jr., Professor of Law (*Law School*)
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 Richard H. Meadow, Senior Lecturer on Anthropology
 Parimal G. Patil, Assistant Professor of the Study of Religion and of Sanskrit and Indian Studies
 V. Kasturi Rangan, Professor of Business Administration (*Business School*)
 Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)
 Sharmila Sen, Assistant Professor of English and American Literature and Language
 Frank E. Vogel, Assistant Professor of Law (*Law School*)
 Jeffrey G. Williamson, Laird Bell Professor of Economics (*on leave 2003-04*)
 Irene J. Winter, William Dorr Boardman Professor of Fine Arts
 Michael Witzel, Wales Professor of Sanskrit
 Richard Wolf, Assistant Professor of Music (*on leave 2002-03*)
 Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies

The Committee on South Asian Studies is a multidisciplinary group of scholars appointed to coordinate teaching and research on South Asia (Bhutan, Bangla Desh, India, Maldives, Pakistan, Nepal, Sri Lanka, and the neighboring areas) among Harvard's departments and schools and is concerned with the planned development of South Asian Studies in the University as a whole. It sponsors lectures, seminars, conferences, films, and exhibitions on South Asia. Its various interdisciplinary seminars are open to all students and faculty members. There is no separate degree program, but degrees can be sought in the Department of Sanskrit and Indian Studies, which offers undergraduate concentrations in both Sanskrit Studies and Indian Studies. Advanced degrees (A.M., Ph.D.) are only offered in Sanskrit and Indian Studies combined, requiring the student to study advanced Sanskrit. Other departments and programs affiliated with the South Asia Committee may also offer degrees; applicants should contact those departments directly.

The courses listed below deal directly or indirectly with the study of South Asia. A more detailed description of these courses may be found in this catalog under the appropriate department or committee. Other relevant courses are listed in the catalogs of the schools of Business, Divinity, Education, Public Health, Law, and the Kennedy School of Government.

Cross-Listed Courses

[Anthropology 152. Mesopotamia - Egypt - The Indus Valley]

[*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 111. Literary Cultures of India: An Introduction to the Study 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]

[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 101. Introductory Nepali](#)

[Pali 101a. Introductory Pali]

[Pali 101b. Introductory Pali]

[Pali 102a. Intermediate Pali](#)

[*Pali 102b. Intermediate Pali](#)

[Pali 103r. Readings in Pali]

[*Pali 300. Reading and Research]

[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 102a. Intermediate Classical Tibetan]

[Tibetan 102b. Intermediate Classical Tibetan]

[Tibetan 103. Introduction to Pre-Classical Tibetan]

[Tibetan 104a. Elementary Colloquial Tibetan]

[Tibetan 104br (formerly Tibetan 104b). Elementary Colloquial Tibetan]

[Tibetan 105a. Intermediate Colloquial Tibetan]

[Tibetan 105b. Intermediate Colloquial Tibetan]

[Tibetan 200a. Classical Poetic Tibetan]

[Tibetan 201. Introduction to Philosophical Tibetan]



[Tibetan 202r (formerly Tibetan 202). Readings in Advanced Philosophical Tibetan]

[Tibetan 203a. Readings in Canonical Buddhist Tibetan]

[Tibetan 205a. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

[Tibetan 207a. Readings in Classical Tibetan Scientific Literature]

[*Tibetan 210. Tibetan Epigraphy and Edicts]

[Tibetan 212. Introduction to Tibetan Philology and Textual Criticism]

[Tibetan 215. Introduction to Madhyamika]

[Tibetan 217. The Anatomy of the Human Body in Tibetan Medical Literature](#)

[Tibetan 218. Vasubandhu's Karmasiddhi Prakarana](#)

*Tibetan 300. Reading and Research

[*Tibetan 302. Direction of A.M. 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 \(formerly Urdu 103r\). 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*)

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*) (*on leave 2003-04*)

Peter Buck, Senior Lecturer on the History of Science

Julie A. Buckler, Harris K. Weston Associate 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

Arthur L. Loeb, Senior Lecturer on Visual and Environmental Studies

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking



Sandra Naddaff, Senior Lecturer on Literature

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering (*on leave spring term*)

Philip Stone, Professor of Psychology

Richard Wolf, Assistant Professor of Music (*on leave 2002-03*)

Application forms and information on completing petitions for Special Concentrations may be obtained from the Committee's office, University Hall B-2.

Primarily for Undergraduates

***Special Concentrations 91r. Supervised Reading and Research**

Catalog Number: 2815

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to Special Concentrations concentrators who wish to pursue supervised study for graded credit in an area not covered by courses currently offered by regular Departments and Committees. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 96r. Senior Projects**

Catalog Number: 0829

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for seniors in their final semester completing their senior project to meet the Basic (rather than Honors) requirements for concentration. May be repeated with the permission of the Director of Undergraduate Studies and the Faculty Adviser. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 97r. Tutorial — Sophomore Year**

Catalog Number: 2660

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by honors sophomores.

***Special Concentrations 98r. Tutorial — Junior Year**

Catalog Number: 2497

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion two terms of *Special Concentrations 98r are ordinarily required of all honors concentrators in their junior year. Exceptions to this can only be granted with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.



***Special Concentrations 99. Tutorial — Senior Year**

Catalog Number: 3294

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Either half year may be taken as a half course only with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations. Graded SAT/UNS.

Statistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Statistics

Donald B. Rubin, John L. Loeb Professor of Statistics (*Chair*)

Arthur P. Dempster, Professor of Theoretical Statistics

S.C. Samuel Kou, Assistant Professor of Statistics (*Head Tutor*)

Jun S. Liu, Professor of Statistics

Xiao-Li Meng, Professor of Statistics (*on leave spring term*)

Mayumi Morimoto, Lecturer on Statistics

Carl N. Morris, Professor of Statistics (*Director of Graduate Studies*)

Nathan Asher Taback

David van Dyk, Associate Professor of 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*)

Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)

David P. Harrington, Professor of Biostatistics (*Public Health*)

Frederick Mosteller, Professor of Mathematical Statistics, *Emeritus*, (*FAS*), Roger Irving Lee
Professor of Mathematical Statistics *Emeritus*, (*Public Health*)

Bernard Rosner, Professor of Medicine (*Medical School*)

Alan Zaslavsky, Associate Professor of Statistics (*Medical School*)

In 2002–2003, 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 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 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). Fall: M., W., F., at 11; Spring: M., W., F., at 11; and a section meeting to be arranged. EXAM GROUP: 4

Introduces the key ideas underlying statistical and quantitative reasoning, including fundamentals of probability. Topics may include elements of sample surveys, experimental design and observational studies, descriptive and summary statistics for both measured and counted variables, and statistical inference including estimation and tests of hypotheses as applied to one- and two-sample problems, regression with one or more predictors, correlation, and analysis of variance. Emphasizes simple and multiple regression and applications in nonexperimental fields including, but not limited to, economics.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. 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

Garrett M. Fitzmaurice (Public Health)

Half course (fall term). M., W., F., at 11, and a section meeting to be arranged. EXAM GROUP: 4

Covers the same topics as Statistics 100. Emphasizes the analysis of variance, applied in experimental fields such as psychology and other behavioral sciences.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. 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

David van Dyk

Half course (fall term). M., W., F., at 11, and a section time to be arranged. EXAM GROUP: 4

Covers the same topics as 100 and 101 combined, at a slightly higher level. Applications will be drawn from fields such as economics, behavioral and health sciences, policy analysis, and law.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. 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 meeting to be arranged. EXAM GROUP: 3

A first course in probability pointed toward applications, for students with some calculus. Models include the normal, binomial, exponential, Poisson and gamma distributions. Topics include expectation, independence, conditioning, generating functions, joint distribution and density functions, and limit laws.

Note: This course, when taken for a letter grade, meets the Core area requirement for



Quantitative Reasoning.

Prerequisite: Mathematics 21a or equivalent.

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 meeting to be arranged. EXAM GROUP: 5

Basic concepts of statistical inference from frequentist and Bayesian perspectives. Topics include maximum likelihood methods, confidence and Bayesian interval estimation, hypothesis testing, least squares methods, and analysis of variance.

Prerequisite: Statistics 110 and basic linear algebra.

Statistics 131. Times Series Analysis and Forecasting

Catalog Number: 8291

Mayumi Morimoto

Half course (fall term). M., F., 2–3:30. EXAM GROUP: 7, 8

An introduction to time series models and associated methods of data analysis and inference. Auto regressive (AR), moving average (MA), ARMA, and ARIMA processes, stationary and non-stationary processes, seasonal processes, auto-correlation and partial auto-correlation functions, identification of models, estimation of parameters, diagnostic checking of fitted models, forecasting, time domain regression approach including Box-Jenkins method, and spectral analysis.

Prerequisite: Statistics 111 and 139 or equivalent.

Statistics 139. Regression Analysis

Catalog Number: 1450

Xiao-Li Meng

Half course (fall term). Tu., Th., 1–2:30, and a section meeting to be arranged. EXAM GROUP: 15, 16

An introduction to data analysis using multiple regression. Topics may include model building and diagnostics, graphical checks of assumptions, transformations, multivariate graphics and visualization, exploratory data analysis, tests of significance and confidence intervals, and logistic regression. The course will emphasize analysis and investigation of real datasets using computer software.

Prerequisite: Statistics 100 or equivalent and Mathematics 21a and 21b or equivalent.

Statistics 140. Design of Experiments

Catalog Number: 7112

Mayumi Morimoto

Half course (spring term). M., F., 2–3:30. EXAM GROUP: 7, 8

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.

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. 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

Xiao-Li Meng

Half course (spring term). Hours to be arranged.

An introductory course to the methodology of sample surveys. Topics cover both design issues (e.g., multi-stage sampling) and analysis methods (e.g., regression estimation). Emphasis will be given to statistical insights and practical feasibility. The common problem of nonresponse in sample surveys will also be addressed.

Note: Expected to be given in 2003–04.

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. 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 Statistical Inference I

Catalog Number: 2487

Carl N. Morris

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Random variables, their distributions and densities. Families and exponential families of distributions. Expectation. Independence, product spaces, and joint distributions. Types of convergence. Limit theorems (weak and strong laws, central limit problem). Conditional probability and expectation, multivariate Normal distribution, particular examples of conjugate, marginal, and conditional distributions. Inequalities, approximations, and stochastic simulation. Sampling distributions, likelihood function, sufficiency, and information.

Prerequisite: A course in probability and statistics at least at the level of Statistics 110, 111.



Statistics 211. Probability Theory and Statistical Inference II

Catalog Number: 1946

S.C. Samuel Kou

Half course (spring term). 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, linear models, models for frequency data, large and moderate sample approximations, including the delta method.

Prerequisite: Advanced calculus, Statistics 210, or equivalent.

Statistics 212. Probability Theory and Statistical Inference III: Special Topics

Catalog Number: 7637

Carl N. Morris

Half course (spring term). M., F., 2–4. EXAM GROUP: 7, 8

Topics in probability and statistics include the mathematics and ideas of likelihood methods and its connections with Bayesian theory, approximation, unification via exponential families, generalized linear models and hierarchical models, evaluations, and proof by representation.

Statistics 214. Causal Inference in Statistics and the Social and Biomedical Sciences

Catalog Number: 4042

Donald B. Rubin

Half course (fall term). Th., 2:30–5. EXAM GROUP: 16, 17

Approaches to causal inference. Covers randomized experiments with and without noncompliance, observational studies with and without ignorable treatment assignment, instrumental variables and sensitivity analysis. A number of applications from economics, medicine, education, etc., are discussed.

Statistics 215 (formerly Statistics 315a and 315b). Fundamentals of Computational Biology

Catalog Number: 3304

Wing H. Wong

Half course (spring term). Tu., Th., 2–3:30. 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 220. Bayesian Data Analysis

Catalog Number: 6270

David van Dyk

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Begins with basic Bayesian models, whose answers often appear similar to classical answers, followed by more complicated hierarchical and mixture models with nonstandard solutions. Includes methods for monitoring adequacy of models and examining sensitivity of conclusions to change in models. Throughout, emphasis on drawing inferences via computer simulation rather



than mathematical analysis.

Prerequisite: Statistics 110 and 111.

[Statistics 221. Statistical Computing Methods]

Catalog Number: 5959

S.C. Samuel Kou

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2003–04.

Prerequisite: Linear algebra, Statistics 111, and knowledge of a computer programming language. Statistics 220 is recommended.

[Statistics 239. Advanced Regression Analysis]

Catalog Number: 7423

Half course (fall term). Hours to be arranged.

Besides the applications done jointly with Statistics 139, students meet separately to develop the theory (multivariate normal, maximum likelihood, likelihood ratio tests, Gauss-Markov, etc.) of linear models. Students do some of the homework assignments from Statistics 139, but also other assignments that differ and are more advanced. Grading is separate from Statistics 139.

Note: Expected to be given in 2003–04.

Prerequisite: Probability and statistics at the level of Statistics 110 and 111.

[Applied Mathematics 190. Probability Models, Modeling, and Inference](#)

***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 spring term), Carl N. Morris 2178, Frederick Mosteller 2235, Bernard Rosner (Medical School) 4018, Donald B. Rubin 7966, Wing H. Wong 3759 (spring term only), Alan Zaslavsky (Medical School) 1927, and David van Dyk 2669

***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 spring term), Carl N. Morris 2178, Bernard Rosner (Medical School) 4018, Donald B. Rubin 7966, Wing H. Wong 3759, Alan Zaslavsky (Medical School) 1927, and David van Dyk 2669



***Statistics 310hfr. Astrophysics Seminar**

Catalog Number: 9367

David van Dyk 2669

Half course (throughout the year). Tu., 2–4. EXAM GROUP: 16, 17

***Statistics 311. 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 314r (formerly Statistics 314hfr). Non-Parametric Methods: Seminar]

Catalog Number: 5052

S.C. Samuel Kou 4054

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2003–04.

***Statistics 317. Statistical Inference on Probabilistic Reasoning: Research Seminar**

Catalog Number: 1478

Arthur P. Dempster 2345

Half course (spring term). Hours to be arranged.

Partly a review of the current state of theory, including the theory of belief functions, and partly a research seminar on applications to object recognition, reliability engineering, and analysis of fast life-cycle phenomena.

***Statistics 321. Stochastic Modeling and Bayesian Inference**

Catalog Number: 4060

S.C. Samuel Kou 4054

Half course (fall term). W., 3:30–5:30.

Stochastic processes and their applications in scientific, economic, and financial modeling. Bayesian inference about stochastic models based on the Monte Carlo sampling approach.

***Statistics 326hf. Statistics in Environmental Science**

Catalog Number: 3520

Arthur P. Dempster 2345

Half course (throughout the year). Hours to be arranged.

Biweekly presentations by faculty, post-doctoral fellows and students, leading to student projects on complex measuring systems, data assimilation, and experimental design and analysis.

***Statistics 332. Incomplete Multivariate Data**

Catalog Number: 9483

David van Dyk 2669

***Statistics 392hfr (formerly Statistics 292r). Topics in Statistics**

Catalog Number: 0925

Donald B. Rubin 7966



Half course (throughout the year). W., 2–3:30. EXAM GROUP: Spring: 7, 8

A range of currently active projects. All involve real applications and require mathematical statistical development. Applications include education, census, political science, biomedical research. Techniques include design of experiments, Bayesian modelling, multiple imputation.

Ukrainian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Ukrainian Studies

Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History (*Chair*)
 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
 Eric Lohr, Assistant Professor of History (*on leave 2002-03*)
 Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences (*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.

Cross-listed Courses

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 1515. States and Nations: 1905-1991: Conference Course]

[History 1516. Nation Formation in East Europe, 1795-1921: Poland, Russia, Ukraine]

History 1517. The Making of the Russian Empire

History 1518. The Reformation, Counter-Reformation and Orthodox Reform in Eastern Europe: CC

Linguistics 250. Old Church Slavonic

Slavic Ga. Beginning Ukrainian I

Slavic Gb. Beginning Ukrainian II

***Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian**

[Slavic 125. Modern Russian in Historical Perspective]

Slavic 165. Survey of Modern (19th- and 20th-Century) Ukrainian Literature

[Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course]

Slavic 201. Introduction to East Slavic Languages

[Slavic 223. 19th-Century Ukrainian Poetry]

[Slavic 292. 20th-Century Ukrainian Prose]

Visual and Environmental Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of Visual and Environmental Studies

Marjorie Garber, William R. Kenan, Jr. Professor of English (*Chair*)
 Lelia Amalfitano, Visiting Lecturer on Visual and Environmental Studies
 Stuart Baron, Visiting Lecturer on Visual and Environmental Studies
 Deborah Bright, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
 Giuliana Bruno, Professor of Visual and Environmental Studies (*on leave 2002-03*)
 Thomas Butter, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
 Gail Deery, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)
 Jim Dow, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)
 Piotr Dumala, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)
 Stephen Ellis, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
 Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts (*on leave fall term*)
 Hal Hartley, Visiting Lecturer on Visual and Environmental Studies, Visiting Lecturer on Visual & Environmental Studies
 Bruce Jenkins, Senior Lecturer on Visual and Environmental Studies
 Isaac Julien, Visiting Lecturer on Afro-American Studies and on Visual and Environmental Studies (*fall term only*)
 Mel Kendrick, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)
 Klaus Kertess, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
 Chris Killip, Professor of Visual and Environmental Studies
 Annette Lemieux, Professor of the Practice of Studio Arts in Visual and Environmental Studies
 Ross S. McElwee, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
 Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts
 Robb Moss, Rudolf Arnheim Lecturer on Filmmaking
 Mark Nash, Visiting Lecturer on Visual and Environmental Studies (*University of East London*) (*fall term only*)
 John Obuck, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)
 Peggy Phelan, Visiting Professor of Visual and Environmental Studies (*Stanford University*) (*fall term only*)
 Heddi Vaughan Siebel, Visiting Lecturer on Visual and Environmental Studies, Associate of the Department of Visual and Environmental Studies (*fall term only*)
 Sage Sohler, Lecturer on Visual and Environmental Studies
 Joel Sternfeld, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
 John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development
 Paul Stopforth, Visiting Lecturer on Visual and Environmental Studies (*Head Tutor*)
 Patrick Strzelec, Rudolf Arnheim Lecturer on Studio Arts (*on leave fall term*)
 Steven Subotnick, Visiting Lecturer on Visual and Environmental Studies
 Elisabeth Subrin, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
 Lucien G. Taylor, Senior Lecturer on Visual and Environmental Studies
 Susan Williams, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Other Faculty Offering Instruction in the Department of Visual and Environmental Studies

John Beardsley, Senior Lecturer in Landscape Architecture (*Design School*)
 Miroslava M. Benes, Senior Lecturer in the History of Landscape Architecture (*Design School*)



Jeffrey Huang, Associate Professor of Architecture (*Design School*)
 Antoine Picon, Professor of the History of Architecture and Technology (*Design School*)
 François C. D. Vigier, Charles Dyer Norton Professor of Regional Planning (*Design School*)

Ordinarily, 1-digit studio courses precede 2-digit studio courses in level of difficulty, and 2-digit studio courses precede 3-digit studio courses. A studio course in the department refers to any hands-on making course in the studio arts, photography, and film, video and animation. Foundations-level studio arts courses are represented by 1-digit course numbers. Each decade thereafter represents particular areas within the visual arts and visual studies. 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. Courses numbered 100 or 101 will ordinarily represent lectures or seminars in contemporary art history. Environmental Studies are represented by other numbers in the 100s (generally architecture and the built environment) and the 160s (natural environment, landscape, and additional topics in environmental, visual, and spatial studies). Other courses in design, critical theory, visual and spatial history and theory as well as courses in film studies are represented by course numbers 170 and higher.

VES has no formal tutorial program, though in exceptional circumstances, independent studio work or research may be carried out under faculty supervision. All independent work requires the approval of a non-visiting faculty member as well as the Head Tutor and is represented by VES 91r. Senior concentrators whose focus is in the studio arts and are concurrently undertaking a thesis are strongly urged to enroll in VES 90s in the fall in combination with thesis work (VES 99). Senior independent work (thesis or senior year project) in the studio arts, photography, as well as film, video, or animation is always represented by VES 99, normally a full-year course but a course which may be divided if necessary. Junior concentrators whose focus is the studio arts are strongly urged to enroll in VES 90j in the spring term.

While some courses on architecture, landscape, and the built environment are jointly listed with the Graduate School of Design (GSD), additional courses and modules in these topics are offered directly through the GSD. 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 GSD has a slightly different semester calendar than the Faculty of Arts & Sciences, when planning for cross-registering or enrolling in jointly offered courses.

Primarily for Undergraduates

***Visual and Environmental Studies 2 (formerly Visual and Environmental Studies 2aar). Two-Dimensional Artmaking: Foundations-Level Studio Course**

Catalog Number: 5730 Enrollment: Limited to 12.

Stuart Baron

Half course (fall term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11

Through the exploration of marks, surfaces, shapes, and materials this course will provide a foundation in the abstract principles of pictorial representation. With a strong emphasis on



patterns of meaning and figure/ground relationships, the course constructs a basic visual vocabulary for the development of future artwork in other media.

***Visual and Environmental Studies 3 (formerly Visual and Environmental Studies 3aar). Three-Dimensional Artmaking: Foundations-Level Studio Course**

Catalog Number: 5786 Enrollment: Limited to 12.

Thomas Butter (fall term) and Patrick Strzelec (spring term)

Half course (fall term; repeated spring term). Fall: M., 6–9, Tu., 1–4; Spring: M., W., 1–4.

EXAM GROUP: Fall: 15, 16; Spring: 6, 7

Students will work with an assortment of tools, techniques, and materials to solve specific three-dimensional problems and basic sculpture concerns. The course will be based on spatial thinking that deals with point, line, plane, mass, balance, and form.

***Visual and Environmental Studies 10. Drawing I: 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, this course will explore possibilities and develop responses in the process of drawing. A diverse range of sources and objects will function as the basis for much of the work done in the course in which observation, structural principles, and expressive procedures will be formulated in the making of drawings.

***Visual and Environmental Studies 11. Figure Drawing I: Introductory Studio Course**

Catalog Number: 6625 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16

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.

***Visual and Environmental Studies 15r. Printmaking I: Introductory Studio Course**

Catalog Number: 6847 Enrollment: Limited to 12.

Heddi Vaughan Siebel

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16

Studio instruction in the techniques of monoprint, etching, aquatint, drypoint, and woodcut will encourage the serial process as a way to find and advance the articulation of visual ideas. Work in class will be strengthened by individual and group discussion, slides, and museum visits.

Note: No previous printmaking experience is required.

***Visual and Environmental Studies 20r. Painting I: Introductory Studio Course**

Catalog Number: 3732 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7

Working with traditional subjects in painting, students will investigate color theory, historical



art, and psychological interpretation. This course will use demonstrations, slide talks, critique, student presentations, and problem solving to work through the 20th century. Students will also learn to construct stretchers and stretch canvas. Exercises and studies will use acrylic on paper.

***Visual and Environmental Studies 21r. Painting I: Introductory Studio Course**

Catalog Number: 4787 Enrollment: Limited to 12.

Stephen Ellis

Half course (fall term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11

This course will introduce the student to the basic materials and techniques of painting in oil and acrylic, including painting on canvas and panel, types of brushes and their use, and the various mediums and solvents employed. We will also explore basic procedures through which a painting is constructed, and last, but most important, how one learns to understand what ones sees in order to transform it into an image.

***Visual and Environmental Studies 25r. Color in Theory and Practice: Introductory Studio Course**

Catalog Number: 1717 Enrollment: Limited to 12.

Stephen Ellis

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16

Color is the most mysterious and resistant to analysis of the elements of visual art. In this course we will establish a vocabulary and basic set of principles with which to examine the subject through readings by theorists including Chevreul, Itten, Birren and Albers. This theoretical investigation will be reinforced and expanded through related studio projects (in water-based mediums) all of which will culminate in a final project of the student's design.

***Visual and Environmental Studies 30r. Sculpture I: Introductory Studio Course**

Catalog Number: 4896 Enrollment: Limited to 12.

Thomas Butter (fall term) and Patrick Strzelec (spring term)

Half course (fall term; repeated spring term). Fall: M., W., 1–4; Spring: M., W., 9a.m.–12p.m. EXAM GROUP: Fall: 6, 7; Spring: 2, 3

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 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 and Sage Sohler

Half course (spring term). M., W., 1–4; or Tu., Th., 1–4. EXAM GROUP: 6, 7

Designed to extend the student's understanding of the process through which meaning is produced in photography. Examines differing approaches to format, context, and presentation through a series of set projects.

Prerequisite: VES 40a or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 50. Fundamentals of Filmmaking: Studio Course**

Catalog Number: 4907 Enrollment: Limited to 20.

Robb Moss

Full course. M., W., 1–4; or Tu., Th., 1–4. EXAM GROUP: 6, 7

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 (formerly *Visual and Environmental Studies 51ar). Fundamentals of Video: Introductory Studio Course**

Catalog Number: 7526 Enrollment: Limited to 10.

Robb Moss

Half course (spring term). Tu., Th., 1–4. EXAM GROUP: 15, 16

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: Admission is by interview with the instructor.

***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., 1–5. 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/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 53a. Fundamentals of Animation: Introductory Studio Course**

Catalog Number: 1360 Enrollment: Limited to 10.

Piotr Dumala (spring term) and Steven Subotnick (fall term)

Half course (fall term; repeated spring term). Fall: M., 1–5, F., 1–3; Spring: Tu., 1–5, F., 1–3. EXAM GROUP: Fall: 6, 7, 8, 9; Spring: 6, 7

An introduction to the art of animation. Students will gain an understanding of animation aesthetics, concepts and history through a series of exercises, discussions and screenings.



Students will complete a variety of short guided projects designed to acquaint them with the main elements of animation. Screenings and discussions will provide a conceptual and historical framework for the exercises. Drawing skills are not necessary.

***Visual and Environmental Studies 54r. Life Stories: Introductory Video Studio Course**

Catalog Number: 6487 Enrollment: Limited to 10.

Alfred F. Guzzetti

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7

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.

Tutorials and Other Thesis-Related Courses

***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

A seminar that informs students about what is currently being produced in today's art world, including contemporary theoretical concerns as well as the practice of art. This class will help to develop the essential understanding necessary to pursue independent work in the senior year. Critique of current student work will be an integral part of this course.

Note: 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

Klaus Kertess

Half course (fall term). Th., 4–6. EXAM GROUP: 18

A seminar that informs students about what is currently being produced in today's art world, including contemporary theoretical concerns as well as the practice of art. This class will help to develop the essential understanding necessary to pursue independent work in the senior year. Critique of current student work will be an integral part of this course.

Note: Limited to Senior VES concentrators but open to others with the permission of the instructor.

***Visual and Environmental Studies 91r (formerly Visual and Environmental Studies 97r, 98r, and 190r). Supervised Studio Work, 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 91r must petition the Head Tutor for approval, stating the proposed project and must have the permission of the proposed project adviser. Not to be taken with



visiting artists.

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.

All senior year tutorials must have prior permission from the proposed project adviser. The Head Tutor must approve all VES 99 projects.

Note: Letter-graded only.

For Undergraduates and Graduates

***Visual and Environmental Studies 100r. Currents: Contemporary Art from 1960 to Yesterday**

Catalog Number: 4867 Enrollment: Limited to 50.

Lelia Amalfitano

Half course (fall term). Tu., Th., 11:30–1 and sections to be arranged. EXAM GROUP: 13, 14

An overview of the visual arts from 1960, and resulting ideological and pragmatic implications shaping artistic expression today. Slide lectures, readings, discussions, and gallery visits will demonstrate the evolution of visual syntax, the variety of contemporary art practices, and conceptual frameworks. Attention also given to ephemeral, less documented forms of art. Studio faculty will be included in slide presentations. Intended to introduce students to recent contemporary thought and process for application in their own investigations.

Note: Primarily intended for Sophomore VES concentrators, but open to others.

***Visual and Environmental Studies 101r. Art and Feminism**

Catalog Number: 6407

Peggy Phelan (Stanford University)

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

A survey of the main chapters in the development of art practice between 1959-1999.

Concentrating primarily on art made in England and the United States, we will consider how feminism influenced and was informed by other major art movements of the post-war period.

Artists to be covered include Yvonne Rainer, Faith Ringgold, Agnes Martin, Helen Chadwick, Eva Hesse, Barbara Kruger, Mary Kelly, Yoko Ono, Cindy Sherman, Lorna Simpson, Cathy Opie, Pipilotti Rist.

Visual and Environmental Studies 103 (formerly Visual and Environmental Studies 173). Introduction to Urban Planning and Design

Catalog Number: 3328

François C. D. Vigier (Design School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Provides an understanding of the dynamics that created contemporary urban and regional spatial patterns, of social theories pertinent to urbanized societies, and of the nature of public interventions that can remedy functional and social deficiencies. It also provides a common



theoretical context for the complementary activities of urban designers and planners.

Note: Jointly offered with the Graduate School of Design as 5101.

***Visual and Environmental Studies 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 this course 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 109 (formerly Visual and Environmental Studies 174). Internet and Architecture

Catalog Number: 4881

Jeffrey Huang (Design School)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This project-oriented seminar purports to give a basic orientation to these fundamental changes and the implications of new internet-based concepts (e.g. cyberspace, virtual communities and electronic marketplaces) on the architecture of buildings. The seminar consists of case-based discussions and a final project in which new designs of physical/virtual spaces - the epitomes of the new networked environment - will be developed and prototyped.

Note: Offered jointly with the Graduate School of Design as 7301.

***Visual and Environmental Studies 110r. Drawing II: Intermediate Studio Course**

Catalog Number: 1012 Enrollment: Limited to 15.

Paul Stopforth

Half course (spring 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 Drawing I, will function as the basis in developing these possibilities further. The course will provide the opportunity to continue to establish and extend the practice of drawing as an independent and complex means of expression.

Prerequisite: VES 10 or equivalent (portfolio presentation).



***Visual and Environmental Studies 111r. Figure Drawing II: Anatomy and the Figure: Intermediate Studio Course**

Catalog Number: 4836 Enrollment: Limited to 12.

Stuart Baron

Half course (spring term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11

The study of human anatomy and its application to drawing whether the figure or other forms. Focus on the essence of movement, volume, analytical investigation of skeletal and muscle structure, and aesthetic choices available when drawing from observation. Lectures with demonstrations and significant studio time.

Prerequisite: VES 10 or VES 11 or equivalent (portfolio presentation).

***Visual and Environmental Studies 115r. Printmaking II—Intaglio and Relief Printmaking: Intermediate Studio Course**

Catalog Number: 7369 Enrollment: Limited to 12.

Gail Deery

Half course (spring term). M., 6–9, Tu., 1–4. EXAM GROUP: 15, 16, 17

Will explore various techniques of platemaking and intaglio printing. Building raised and embossed surfaces for printing opens a range of possibilities examining the dimensionality of the print. Processes will include photo-based alternative techniques, *chine collé*, and adhesives. Demonstrations, lectures, and slides on technique will provide students with an understanding of the most current processes. Students will investigate and challenge current perceptions of printmaking learning to communicate their ideas and discuss individual work in class critiques.

Prerequisite: VES 15r or equivalent (portfolio presentation).

***Visual and Environmental Studies 120r. Painting II: Intermediate Studio Course**

Catalog Number: 7893 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (fall term). M., 1–5, W., 1–3. EXAM GROUP: 6, 7

Investigating subjects and vantage points, this is a course where students begin to paint about ideas as well as images with an emphasis on narrative painting. Students will work primarily with oil paint on canvas and use acrylic on paper for studies. Slide talks, student presentations, demonstrations and hands-on studio work will comprise the working methods.

Prerequisite: Painting I or another college-level painting course.

***Visual and Environmental Studies 121r. Painting II: Intermediate Studio Course**

Catalog Number: 2478 Enrollment: Limited to 12.

John Obuck

Half course (spring term). Tu., 6–9, W., 1–4. EXAM GROUP: 6, 7

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.

Prerequisite: Painting I or equivalent preparation (portfolio presentation).



***Visual and Environmental Studies 125r. Painting III: Advanced Studio Course**

Catalog Number: 1170 Enrollment: Limited to 12.

Susan Williams

Half course (spring term). M., 6–9, Tu., 1–4. EXAM GROUP: 15, 16

Focusing on the process of painting, and the technical aspects of oil and acrylic medium, with slides and discussion of painters currently exhibiting.

Prerequisite: Painting I or equivalent preparation and portfolio presentation.

***Visual and Environmental Studies 130r. Sculpture II: Intermediate Studio Course**

Catalog Number: 7882 Enrollment: Limited to 12.

Mel Kendrick

Half course (spring term). M., 6–9, Tu., 1–4. EXAM GROUP: 15, 16

The emphasis in this course will be the process rather than the product. A primary focus will also be on student discovery of their own vocabulary through working in the studio. Contemporary theory will be discussed in the context of student work, museum and gallery visits, and assigned reading.

Prerequisite: VES 30r or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 135r. Conceptual Practice I: Intermediate Studio Course**

Catalog Number: 3398 Enrollment: Limited to 12.

Annette Lemieux

Half course (fall term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11

Using a variety of materials and methods, students will create works that reflect the concerns of conceptual and post-conceptual artists of the 20th century to the present. Students will be introduced to these artists via slide presentations, informal discussions and assigned readings.

Prerequisite: VES 2 and 10; or VES 3 and 30; or equivalent preparation (permission of the instructor is required).

***Visual and Environmental Studies 136r. Conceptual Practice II: Intermediate Studio Course**

Catalog Number: 5865 Enrollment: Limited to 12.

Annette Lemieux

Half course (spring term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11

Continuation of VES 135r but may be taken separately with permission of the instructor.

Prerequisite: VES 2 and 10; or VES 3 and 30; or equivalent preparation (permission of the instructor is required).

***Visual and Environmental Studies 140r (formerly *Visual and Environmental Studies 140ar). Color Photography: Studio Course**

Catalog Number: 0842 Enrollment: Limited to 12.

Sage Sohier

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7

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 2003–04.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 142r. Landscape Photography: Studio Course**

Catalog Number: 6780 Enrollment: Limited to 12.

Joel Sternfeld

Half course (fall term). F., 1–5 and additional hours to be arranged. EXAM GROUP: 6, 7

An exploration of the relationship between photography and the depiction of the Earth's surface/landscape. There will be field sessions, lectures on the history of landscape photography, discussions of contemporary issues, visits from working artists, and regular critiques of student photographs. Each student will be required to develop a coherent body of work that examines their sense of place and/or a social, economic, political, poetic, or natural landscape.

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.

Chris Killip

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7

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

Jim Dow

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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: 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. Contemporary Photographic Practice: Seminar/Workshop**

Catalog Number: 9355 Enrollment: Limited to 12.

Deborah Bright

Half course (fall term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11

Will explore a range of topics in contemporary photographic practice (using critical approaches from geography/spatial theory, cultural studies, psychoanalysis, gender, race, and post-colonial studies) to examine the complexities of a technocratic world whose visible social effects are at once extremely localized and globally dispersed. Course structured as a seminar and will comprise an active practice component where students present short study papers and visual projects further illuminating topics raised in readings and discussions.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 146r (formerly *Visual and Environmental Studies 146br). The Photographic Portrait: Studio Course**

Catalog Number: 5743 Enrollment: Limited to 12.

Mark Steinmetz

Half course (spring term). Tu., Th., 1–4. EXAM GROUP: 15, 16

This course will examine the practical, sociological, historical, and aesthetic issues surrounding portrait photography in parallel with the active participation of each student in his/her own photographic project.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

[*Visual and Environmental Studies 148r. The Constructed Photographic Image: Studio Course]

Catalog Number: 2429 Enrollment: Limited to 12.

Half course (spring term). Hours to be arranged.

Classes will approach photography in the context of the other visual arts: as a critical and flexible medium with indistinct boundaries. Emphasis will be on the photograph as a freely constructed fiction and will generally embrace and cover the strategies of much of contemporary practice.

Note: Expected to be given in 2003–04.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

***Visual and Environmental Studies 150ar. Film Production: Intermediate Studio Course**

Catalog Number: 4692 Enrollment: Limited to 12.

Hal Hartley

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7

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. Experimental Strategies in Video: Intermediate Studio Course**

Catalog Number: 2633 Enrollment: Limited to 10.

Elisabeth Subrin

Half course (fall term). Tu., 6–9 p.m., W., 9a.m.–12p.m. EXAM GROUP: 2, 3

Students complete their own video projects while participating in a series of in-class exercises designed to survey a wide range of experimental production strategies and to further explore how meaning is produced in video. Through close examinations of contemporary video art practices, we will work across and beyond “documentary”, “narrative”, and “experimental” categories, looking towards such hybrid forms as speculative biography, experimental narrative, conceptual video, the fake, the remake, domestic ethnography, video karaoke, and hyper-realism.

Prerequisite: One VES half-course in video production and at least one course in film theory.

***Visual and Environmental Studies 152r. Experiments in Video: Intermediate Studio Course**

Catalog Number: 8012 Enrollment: Limited to 10.

Alfred F. Guzzetti

Half course (spring term). Th., 1–5:30. EXAM GROUP: 15, 16

Small-format video opens the prospect of new pathways into many aspects of our experience: the subjective, the intimate, the unconscious, the remembered, the simultaneous, the political. It invites and allows us to devise new structures for our expression. The course will explore these possibilities through short experiments, exercises, and analyses leading to an extended individual or collaborative project.

Prerequisite: One VES half-course in video production.

***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 Beginning Animation, each student will produce a single animation project in this course. This course will also include more advanced animation techniques and exercises with emphasis on storyboarding, timing and sound design. Screenings and discussions will play an important role.

Prerequisite: VES 53a or equivalent preparation.

***Visual and Environmental Studies 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 equivalent preparation.

***Visual and Environmental Studies 154r (formerly *Visual and Environmental Studies 156cr). Animation Workshop**

Catalog Number: 5240 Enrollment: Limited to 10.

Piotr Dumala

Half course (spring term). Th., 1–5, Screenings: F., 1–3. EXAM GROUP: 6, 7

An investigation of frame-by-frame filmmaking through a series of exercises which will culminate in the production of a short animation project. Screenings and discussions will play an important role.

Prerequisite: VES 53a or equivalent preparation.

***Visual and Environmental Studies 155r. Directing Actors for the Camera: Intermediate Studio Course**

Catalog Number: 1844 Enrollment: Limited to 12.

Hal Hartley

Half course (fall 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 semester.

Prerequisite: VES 50, or permission of the instructor.

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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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 additional 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). Tu., W., 11:30–1. EXAM GROUP: 4, 5

Practice, according to Garrett Eckbo, is ‘knowing how to do something; theory is knowing why.’ This course will explore the ‘know why’ of landscape architecture since the Second World War, juxtaposing both the built works and the writings of landscape architects with texts that address the discipline’s larger theoretical cultural contexts. Within this broad framework, the course will examine a series of topics, including, the quest for a modern language for landscape architecture in the 1950s and 1960s.

Note: Offered jointly with the Graduate School of Design as 3102.

***Visual and Environmental Studies 179. Performance Theory: Seminar**

Catalog Number: 4407

Peggy Phelan (Stanford University)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7



This seminar is designed to look carefully at central developments in performance theory. Beginning with J.L. Austin's 1955 lectures *How to Do Things with Words* and ending with Jon MacKenzie's 2001 book, *Perform – Or Else!* we will address the work of: Debord, Schechner, Goffman, Shimmel, Derrida, Butler, Felman, Phelan, Lyotard, Auslander. Issues to be considered include: liveness, spectacle society, performance in everyday life, queer identity, and the politics of performance and the performances of politicians.

[*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). Hours to be arranged.

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: Expected to be given in 2003–04. Recommended as preparation for VES 182 and VES 183. 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). Hours to be arranged.

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: Expected to be given in 2003–04. Recommended as preparation for VES 182 and VES 183. Offered jointly with the Graduate School of Design as 4132.

[*Visual and Environmental Studies 182 (formerly *Visual and Environmental Studies 155ar). Film Architectures: Seminar Course]

Catalog Number: 6864 Enrollment: Limited to 12.

Giuliana Bruno

Half course (fall term). Hours to be arranged.

What is our experience of architecture in cinema? Considering the relation of these two arts of space, we look at how film and architecture are linked in history on the "screen" of the modern age. Highlighting the interaction of modernity, urban culture, and cinema, we explore the architecture of film in relation to the architectures of transit and the culture of travel. Emphasis on readings and case study analysis to pursue research projects and make presentations.

Note: Expected to be given in 2003–04. Active participation in seminarial endeavors is required. Ideally followed with VES 183. 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 Course]

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 2003–04. 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 and Svetlana Boym

Half course (spring term). Hours to be arranged.

How do visual representation and narrative figuration contribute to construct urban identity? Explores the urban imagination 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 2003–04.

[*Visual and Environmental Studies 185 (formerly *Visual and Environmental Studies 152br). Italian Cinema: History, Geography, and Identity]

Catalog Number: 8324 Enrollment: Limited to 40.

Giuliana Bruno

Half course (spring term). Hours to be arranged.

Examines the creative impact of Italian cinema in the context of Italian culture. What is the place of Italian cinema in film and cultural history? Begins with the aesthetic and political canons of Neorealism, considers its phenomenology and historicism, and moves from modernism to postmodernism. Analyzes Rossellini's re-presentation of everyday life, Fellini's opulent theatricality, Antonioni's elegant minimalism, Visconti's operatic design, Pasolini's innovative film theory and practice, and Bertolucci's scenographic fashions.

Note: Expected to be given in 2003–04.

[Visual and Environmental Studies 186. Cinema, Art, and the Location of Culture](#)

Catalog Number: 9472

Mark Nash (University of East London)

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7



This course takes its framework from *Documenta11*, the international art exhibition held in Kassel, Germany which comprises a series of “platforms”- four concerning political and cultural issues addressing issues of democracy, creolization, and urbanism. The fifth platform presents more than 100 artists from around the world, a third of whom work in moving image media. This course will focus specifically on the role of film and video in the contemporary gallery and museum.

Prerequisite: At least one course in film studies.

***Visual and Environmental Studies 187. The Post-Cinematic in Video Art: Seminar**

Catalog Number: 9600

Isaac Julien

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16

Cinema’s influence is everywhere in contemporary art practice with the advent of new digital technologies producing new spectators, new ways of seeing. We explore both the new theoretical and aesthetic implications of this by analyzing photography, video, performance, and the different genres of film styles explored in this new medium. We also examine the nexus between these different political and cultural developments and practices of what can be termed the post-cinematic in moving image culture.

Prerequisite: At least one course in film theory essential.

Visual and Environmental Studies 188. Introduction to Film Study

Catalog Number: 3370

Bruce Jenkins

Half course (spring term). M., W., at 10; screenings: Tu., at 4; and sections to be arranged.

EXAM GROUP: 3

This course aims to provide a thorough introduction to the study of film with a focus on developing critical skills and formal approaches to analysis. Through readings and screenings of a broad range of narrative, nonfiction, and experimental films, the class will further serve as a brief survey of film history and an overview of classic and contemporary modes of film theory.

Visual and Environmental Studies 189. (Trans)Cultural Cinema: Aesthetics, Ideology, and Cultural Difference in Non-Fiction Film

Catalog Number: 9619 Enrollment: Limited to 40.

Lucien G. Taylor

Half course (spring term). Tu., Th., 1–3:30. EXAM GROUP: 15, 16

This course explores the history and theory of non-fiction filmmaking, and its relation to cognate genres, with particular emphasis on its engagement with representing -- by turns, reifying and transcending -- diverse forms of cultural difference. Filmmakers whose works will be screened and analyzed include Flaherty, Buñuel, Cavalcanti, Ruttman, Vertov, Wright, Jennings, Deren, Rouch, Wiseman, the MacDougalls, Marshall, Llewelyn-Davies, and Mallet.

Cross-listed Courses in Art or Art History for VES Concentrators

[Afro-American Studies 167. Images of Blacks, Blacks Making Images]

[Afro-American Studies 168. Visual Culture of Latina and African-American Women]

[Afro-American Studies 169. Visualizing Africa]



Comparative Literature 135. Literature and the Visual Arts: Iconophilia and Iconoclasm

[East Asian Studies 120. Visual Culture in 20th Century China: Popular Genres and the Ideal of Popular Art]

[East Asian Studies 125. Chinese Visual Culture: The Woodcut Popular Print]

East Asian Studies 127. China on Display: Art Exhibitions and Images of the Chinese Nation in the 19th and 20th Centuries

***Freshman Seminar 21k. Art and the Brain**

***Freshman Seminar 32g. Painting the Dark Side**

History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance

History of Art and Architecture 11. Landmarks of World Architecture

[History of Art and Architecture 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600]

[History of Art and Architecture 17z. Introduction to the History of Photography]

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

History of Art and Architecture 101. The Materials of Art

History of Art and Architecture 106x. Prints From Then Till Now

History of Art and Architecture 170y. Post-war American Art: the Work of Art in the Age of Infinite Technical Diversity.

History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists

History of Art and Architecture 174s. Body Image in French Visual Culture (18th & 19th Century)

History of Art and Architecture 189z. Japan and America: The Art and Architecture of Cross-Cultural Encounter

History of Art and Architecture 198. Issues of Gender and Representation in Native American Art History

History of Art and Architecture 198x. African Women in Art and History

[History of Art and Architecture 277x. Matisse's Sculpture]

[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-31. The Portrait]

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

Cross-listed Courses in Film Studies for VES Concentrators

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 168. Literature and Film]



[Comparative Literature 183. Film and the Human Body](#)

[Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours](#)

[Foreign Cultures 32. Jugend gegen Hitler]

[Foreign Cultures 72. Russian Culture from Revolution to Perestroika]

[Foreign Cultures 76. Mass Culture in Nazi Germany: The Power of Images and Illusions](#)

[French 194. Francophone Film and Literature]

[German 244. Readings in Film Theory]

[German 261. Film and Nation](#)

[History of Science 152. Filming Science](#)

[Indian Studies 115. Voices of Indian Women in Literature and Film: Seminar](#)

[Italian 44. Advanced Italian: Effetto Commedia](#)

[Italian 113. On the Road: Geographies of Memory and Childhood in Italian Literature and Film \(1942-1992\)](#)

[Latin American Studies 71. Latin American Film](#)

[Literature 107. Introduction to the Study of Film]

[*Literature 117. Studies in Film Genre: Melodrama](#)

[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema](#)

[Romance Studies 196. Other Romances: Literature, Cinema, and Queerness]

[Slavic 141. Literature, Film, and Visual Art in Contemporary Russia](#)

[Spanish 44. Contemporary Spanish Film](#)

Additional Cross-listed Courses for VES Concentrators

[Afro-American Studies 166. Contemporary African-American Visual Culture: Proseminar]

[Comparative Literature 158. Turning the Century: Culture, Technology, and Representation, 1870-1910]

[Comparative Literature 165. The Holocaust and Problems of Representation]

[Dramatic Arts 14. The Art of Movement Design](#)

[*Dramatic Arts 31 \(formerly *Visual and Environmental Studies 131\). Designing for the Stage: Studio Course](#)

[*Dramatic Arts 32 (formerly *Visual and Environmental Studies 132). Projects in Stage Design: Studio Course]

[*English Cer. Environmental Writing I](#)

[*English Cfr. Environmental Writing II](#)

[*Freshman Seminar 430. Evolution of the American City](#)

[*Literature 124. Space and Place in Postmodern Culture](#)

[*Literature 130. Reconfiguring the City]

[Literature and Arts A-58. Ethnicity, Modernity, and Modernism in 20th-Century Literature, Art, and Culture]

[Literature and Arts B-20. Designing the American City: Civic Aspirations and Urban Form](#)

[Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction](#)

[Science B-44. Vision and Brain](#)

[*Sociology 150. The Social Underpinnings of Taste](#)

[Sociology 153. Media and the American Mind](#)



Women's Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Women's Studies

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science and of Women's Studies (*Chair*) (*on leave 2003-04*)
Giuliana Bruno, Professor of Visual and Environmental Studies (*on leave 2002-03*)
Bradley S. Epps, Professor of Romance Languages and Literatures
Drew Gilpin Faust, Professor of History and Dean of the Radcliffe Institute for Advanced Study
Ruth Feldstein, Associate Professor of History and of History and Literature
Alice Jardine, Professor of Romance Languages and Literatures
Despina Kakoudaki, Assistant Professor of Comparative Literature and of Literature (*on leave 2003-04*)
Ewa Lajer-Burcharth, Professor of History of Art and Architecture
Christie McDonald, Smith Professor of French Language and Literature
Afsaneh Najmabadi, Professor of History and of Women's Studies
Ann Wierda Rowland, Assistant Professor of English and American Literature and Language
Sharmila Sen, Assistant Professor of English and American Literature and Language
Diana Sorensen, Professor of Romance Languages and Literatures
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

Leila Ahmed, Professor of Women's Studies in Religion (*Divinity School*)
Bridie Andrews, Associate Professor of the History of Science
Janet Beizer, Professor of Romance Languages and Literature (*on leave 2002-03*)
Laura Benedetti, John L. Loeb Associate Professor of the Humanities (*on leave 2002-03*)
Daniel V. Botsman, Associate Professor of History
Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures
Peter J. Burgard, Professor of German
Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies
Lynn Mary Festa, Assistant Professor of English and American Literature and Language (*on leave 2002-03*)
Janet E. Halley, Professor of Law (*Law School*)
Jane E. Mangan, Assistant Professor of History (*on leave 2002-03*)



Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Charis Thompson, Assistant Professor of the History of Science (*on leave 2002-03*)

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

Kay B. Warren, Professor of Anthropology (*on leave spring term*)

Other Faculty Offering Instruction in Women's Studies

Kathleen M. Coll, Lecturer on Women's Studies

Verena A. Conley, Visiting Professor of Literature (*on leave fall term*)

Ann S. Holder, Lecturer on History and Literature

Gish Jen, Visiting Lecturer on Women's Studies

Diane L. Rosenfeld, Lecturer on Women's Studies

Mary Ruggie, Visiting Professor of Public Policy (*Kennedy School*)

Mari Ruti, Lecturer on Women's Studies

Anna Tsing, Visiting Professor of Anthropology and Women's Studies (*University of California, Santa Cruz*)

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; 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.

***Women's Studies 98r. Tutorial — Junior Year**

Catalog Number: 8094

Kath Weston and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by concentrators for one term in the second semester of the junior year.

***Women's Studies 99a. Tutorial — Senior Year**

Catalog Number: 6763

Kath Weston, Kathleen M. Coll, and Ann S. Holder



Half course (fall term). Hours to be arranged.

Note: Both Women's Studies 99a and 99b are required of all concentrators in their senior year.

***Women's Studies 99b. Tutorial — Senior Year**

Catalog Number: 5847

Kath Weston, Kathleen M. Coll, and Ann S. Holder

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 101r (formerly Women's Studies 101). Money Changes Everything: Gender and Globalization

Catalog Number: 2174

Kath Weston

Half course (fall term). M., W., at 1 and a one hour section to be arranged. EXAM GROUP: 6

Course 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 is also given to earlier periods of colonization, conquest, and trade.

[Women's Studies 103. Introduction to Gay and Lesbian Studies]

Catalog Number: 4778

Bradley S. Epps

Half course (spring term). Hours to be arranged.

This course provides an intensive overview of the major texts, concepts, and issues on and about homosexuality. Although the field typically privileges the late 20th century and the West, we will also examine works from various cultures and historical periods. Materials will be drawn from literature, visual arts, film, anthropology, psychoanalysis, religion, politics, philosophy, and contemporary theory, Queer and otherwise.

Note: Expected to be given in 2003–04.

[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 2003–04.



Women's Studies 110b. Current Problems in Feminist Theory: Conference Course

Catalog Number: 5590 Enrollment: Limited to 30.

Afsaneh Najmabadi

Half course (fall term). Th., 2–4 and a one hour section to be arranged. EXAM GROUP: 16, 17

This course 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 110c. Borders and Betrayals: Engendering Cultural Identities

Catalog Number: 7763

Kath Weston

Half course (spring term). M., W., at 1; Tu., at 6; W., at 12 and a one hour section to be arranged. EXAM GROUP: 6

Gender takes different forms as it combines with race/ethnicity, class, nation, sexuality, religion, and other sorts of belonging. This course 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 125. Gender and Health

Catalog Number: 4563

Mary Ruggie (Kennedy School)

Half course (fall term). M., W., at 2 and one-hour section to be arranged. EXAM GROUP: 7

Based on theoretical debates between feminism and science and different understandings of health, illness, and healing, this course explores the role of women, the medical profession, and various social institutions in constructing knowledge about gender and health. Among the issues we will discuss are health behaviors, reproductive health, STDs, mental health, cancer, and aging. Throughout we will identify differences among women and men of different class, race, and ethnic groups.

Women's Studies 131. Women, Violence, and the Law

Catalog Number: 1401 Enrollment: Limited to 30.

Diane L. Rosenfeld

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

What makes violence against women different from other types of violence? How do law and society interact in the perpetuation or eradication of violence against women? How do we, as a society, address the gender bias that underlies intimate-partner violence? This course is 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 153. Psychoanalysis, Gender, and Sexuality]

Catalog Number: 7950 Enrollment: Limited to 15.



Mari Ruti

Half course (spring term). Hours to be arranged.

Psychoanalysis has from its inception been preoccupied with the riddle of unconscious fantasy and desire. While Freud developed the clinical practice of psychoanalysis around the desirous discourse of the hysterical woman, Lacan went as far as to link feminine pleasure to the divine. Drawing on psychoanalysis, and on recent feminist and queer theory, this course explores questions of love, desire, pleasure, and sexual orientation. Authors include Freud, Lacan, Horney, Kristeva, Butler, Halberstam, and Kate Bornstein.

Note: Expected to be given in 2003–04.

Women's Studies 154. I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s: Conference Course

Catalog Number: 6855

Alice Jardine

Half course (fall term). Tu., 2–4 and a one hour section to be arranged. EXAM GROUP: 16, 17

A diagnosis and analysis of this formative decade for the U.S. babyboomer. Taught from a cultural studies perspective, the course will focus on gender politics in print media, film, television, and rock of the early cold war era. 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 161. On Love: Gender, Sexuality, Identity

Catalog Number: 4147

Mari Ruti

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Is love a threat to the integrity of the self? Or a form of psychic, corporeal, and spiritual rebirth? This course examines philosophical, psychoanalytic, and literary discourses on love, passion, and desire from a feminist/queer perspective. The emphasis throughout is on love as a potentially dangerous, yet also self-affirming and ecstatic, affective adventure. Authors considered include Plato, Freud, Kristeva, Barthes, Stendhal, Jane Austen, Thomas Mann, Alice Walker, Jeanette Winterson, bell hooks, St. Teresa, and Rumi.

Women's Studies 162. Feminist Research in the Social Sciences: Seminar Course

Catalog Number: 4429 Enrollment: Limited to 12.

Kathleen M. Coll

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Is there a feminist social science? If so, what does it look like? Do woman-centered epistemologies lead to different kinds of knowledge claims? Do feminist researchers uncover previously silenced perspectives? These questions have stimulated lively debates for decades. We will explore the philosophical and ethical foundations of feminist research, discussing research strategies with prominent feminist scholars. Readings by Dorothy Smith, Patricia Hill Collins, Trinh Minh-ha, Himmani Bannerji. Students will undertake individual research projects.

Note: Strongly recommended for all Women's Studies students writing research-based theses.

Women's Studies 163. Nations, Genders, and Sexualities in Comparative Perspective

Catalog Number: 4054 Enrollment: Limited to 15.



Afsaneh Najmabadi

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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. The course will focus on the formation of modern subjectivities in the context of reconfigurations of sex, gender, and nationality.

Women's Studies 165. Advanced Creative Writing

Catalog Number: 0914 Enrollment: Limited to 12.

Gish Jen

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

This course will focus on art as discourse. We will attempt to find true passion, and give it form; to work past dreaded “message”; and to understand the world we address—its frontiers, its standards, and its particular implications for writers of our various descriptions. Fiction writing will be emphasized, but hybrid work is welcome. Weekly workshops; relevant reading. Please submit a shortish writing sample and a description of your experience and interests.

Women's Studies 166. Women, Technology, and the Body

Catalog Number: 3401 Enrollment: Limited to 12.

Verena A. Conley

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course focuses on the relation between technologies, women, and the body. Special attention is 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.

[Women's Studies 167. That's Not My Family]

Catalog Number: 1091 Enrollment: Limited to 12.

Gish Jen

Half course (fall term). Hours to be arranged.

From time immemorial, society has sought to define writers even as they have insisted on defining themselves. In this course we will look at contemporary women and ethnic writers defining themselves against their “families” as well as naming their own literary ancestors and siblings. Writers will be considered in pairs or trios; kinship between the groupings will also be examined.

Note: Expected to be given in 2003–04.

Women's Studies 168. Fantasies of the Feminine: Representation and Social Process in Southeast Asia: Seminar Course

Catalog Number: 9783 Enrollment: Limited to 12.

Anna Tsing (University of California, Santa Cruz)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Does power require gender? This course investigates colonial, nationalist, state-authoritarian, and global/diasporic stories about gender and power through a consideration of literature and



politics in Indonesia, the Philippines, and Malaysia. Through reading fiction, poetry, ethnography, and history, we explore the world-making charisma of such figures as the colonial concubine, the proto-nationalist fainting maiden, the state-authorized transvestite, and the limb-from-limb dismembered diasporic.

Of Primary Interest

Courses in women's studies offered by other departments are cross-listed below. Those listed first focus centrally on the study of women and/or gender. Courses listed as "Of Related Interest" devote at least one specific segment to such questions. Many of the courses may be taken for graduate credit. Courses numbered in the 200s are primarily for graduate students. Students should also investigate offerings in other faculties in which they may cross-register, such as the Graduate School of Education, the Law School, the Medical School, and the Women's Studies program at the Divinity School.

[**Afro-American Studies 110. African-American Women's History: Seminar**](#)

[**Afro-American Studies 141. Afro-Atlantic Religions**](#)

[Anthropology 138. The Behavioral Biology of Women]

[Celtic 113. Gaelic Women's Poetry]

[**Comparative Literature 183. Film and the Human Body**](#)

[***English 90un. Gender and Nation in 19th-Century British Literature**](#)

[**French 70b. Introduction to French Literature II: The Heroine's Text 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 1864. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa**](#)

[**History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists**](#)

[**History of Art and Architecture 174s. Body Image in French Visual Culture \(18th & 19th Century\)**](#)

[***History of Science 147. Sex, Gender, and Modern Medicine: Conference Course**](#)

[History of Science 154 (formerly History of Science 154v). Gender and Science]

[History of Science 182. Gender in East Asia: Lecture]

[**Literature 105. Introduction to the Theory of Sexuality**](#)

[*Literature 125. Literature, Technology, and the Body]

[***Modern Greek 100 \(formerly Modern Greek C\). Advanced Modern Greek: Introduction to Modern Greek Literature**](#)

[**Religion 1490. Feminist Theology as Systematics: A Critical Survey**](#)

[Religion 1529. Personal Choice and Global Transformation]

[Romance Studies 196. Other Romances: Literature, Cinema, and Queerness]

[Slavic 288. Sex, Self, and Russia: Conference Course]

[**Spanish 135. Writing Women: Language, Culture, and Difference in 20th-Century Spanish Narrative**](#)

[**Spanish 184. Constructing Gender in Spanish America: "Man" and "Woman"**](#)

[Spanish 268. A Rhetoric of Particularism]



[Spanish 287r. Spanish Literature Seminar: Realism and its Avatars]

[*Visual and Environmental Studies 101r. Art and Feminism](#)

[*Visual and Environmental Studies 185 (formerly *Visual and Environmental Studies 152br). Italian Cinema: History, Geography, and Identity]

Of Related Interest

[*Afro-American Studies 97a. Jazz, Race, and Politics Since WWII](#)

[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]

[Anthropology 110. Introduction to Social Anthropology](#)

[Celtic 106. Folklore of Ireland]

[Comparative Literature 168. Literature and Film]

[Economics 1812. The U.S. Labor Market](#)

[Economics 1815. Social Problems of the American Economy](#)

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)

[French 27. Oral Expression I: Le Français parlé](#)

[French 48b. Contemporary French Society](#)

[*French 97. Tutorial—Sophomore Year: The Politics of Poetics: An Introduction to Literary and Cultural Analysis](#)

[French 132a. 20th-Century French Fiction I: The Realist Mode](#)

[German 148. Freud](#)

[Government 90jb \(formerly Government 1341\). The First Amendment Freedoms](#)

[Historical Study A-14. Japan: Tradition and Transformation]

[Historical Study B-35. The French Revolution: Causes, Processes, and Consequences](#)

[Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America]

[History 71a. America: Colonial Times to the Civil War](#)

[History 71b. The Rise of Modern America, 1865 to Present](#)

[History 1602. The Frontier in Early America]

[History 1649. The American West: 1780-1930](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

[History of Science 130. History of Modern Biology](#)

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry](#)

[History of Science 176. Evolution and the Mind: Conference Course]

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

[*Literature 117. Studies in Film Genre: Melodrama](#)

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel](#)

[Literature and Arts A-40. Shakespeare, The Early Plays]

[Literature and Arts A-41. Shakespeare, The Later Plays](#)

[Literature and Arts C-14. The Concept of the Hero in Greek Civilization](#)

[Literature and Arts C-43. The Medieval Court](#)



[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]

[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages]

[Modern Hebrew 130r. Advanced Modern Hebrew: Contemporary Israeli Culture](#)

[Moral Reasoning 22. Justice](#)

[Moral Reasoning 50. The Public and the Private in Politics, Morality, and Law](#)

[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema](#)

[Psychology 1701 \(formerly Psychology 17\). Personality Psychology](#)

[Religion 1001. Ethnographic Imaginations]

[Religion 1489. Contemporary Interpretations of Jesus]

[Religion 1525. Radical Movements in Modern America]

[Religion 1528. Globalization and Human Values: Envisioning World Community](#)

[Religion 1530r. Religious Values and Cultural Conflict: Seminar]

[*Religion 1585. Islam in South Asia: Religion, Culture and Identity in South Asian Muslim Societies]

[Religion 1725. Buddhism and Social Change: Seminar](#)

[Science B-29. Evolution of Human Nature](#)

[Slavic 130a. Bridges Between East and West: Culture and Society in Older Czech Literature]

[Slavic 130b. Forging Czechs: Questions of Identity in Modern Czech Culture]

[Slavic 185. Two Poets: Conference Course]

[Sociology 60. Race and Ethnic Relations](#)

[Sociology 162. Medical Sociology]

[Spanish 48. Perspectives on Mexico](#)

[Spanish 268. A Rhetoric of Particularism]

[*Visual and Environmental Studies 179. Performance Theory: Seminar](#)

[*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 Course]

[*Visual and Environmental Studies 183 (formerly *Visual and Environmental Studies 155br). A Cultural Study of Film: Mapping and Fashioning Space: Seminar Course]