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Core-Curriculum

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Core Program

Jeremy R. Knowles, Amory Houghton Professor of Chemistry and Biochemistry and Dean of the Faculty of Arts and Sciences (*Chair*)

Andrew Gordon, Professor of History

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics

Robert P. Kirshner, Clowes Professor of Science

David McCann, Korea Foundation Professor of Korean Literature

Susan Pedersen, Professor of History and Dean for Undergraduate Education (*ex officio*)

Michael J. Sandel, Harvard College Professor and Professor of Government

R. J. Tarrant, Harvard College Professor and Pope Professor of the Latin Language and Literature

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.

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

Foreign Cultures

Foreign Cultures 12. Sources of Indian Civilization

Catalog Number: 8312

Diana L. Eck

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 8705

Nur Yalman

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 8550

Tom Conley

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

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

Note: Conducted in French.



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

Catalog Number: 0656

Marlies Mueller

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

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

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

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

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

Catalog Number: 0591

Marlies Mueller

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

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

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

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

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

Catalog Number: 0580

Peter J. Burgard

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

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

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

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



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

Catalog Number: 4455

Stanley Hoffmann

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

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

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

Foreign Cultures 34. Mesoamerican Civilizations

Catalog Number: 3196

William L. Fash and David S. Stuart

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

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

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

Catalog Number: 6357

Orlando Patterson

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

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

Note: Expected to be given in 2001–02.

Foreign Cultures 48. The Cultural Revolution

Catalog Number: 6474

Roderick MacFarquhar

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

From 1966 to 1976, the People's Republic of China was wracked by civil strife, student violence, political intrigue, and military plots. What had once seemed the best disciplined and most stable of dictatorial states seemed about to dissolve into disunity, even anarchy, and as a result of the actions of the man who had done more than anyone else to create it: Chairman Mao Zedong. The



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

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

[Foreign Cultures 56. Jewish Life in Eastern Europe]

Catalog Number: 1271

Jay M. Harris

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 1976

Hue-Tam Ho Tai

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 2628 Enrollment: Limited to 210.

James L. Watson

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

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



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

Catalog Number: 9028

Stephen Owen

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

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

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

Catalog Number: 1065

Ali S. Asani

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 5581

Svetlana Boym

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

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

Note: Expected to be given in 2001–02.

Foreign Cultures 74. Cultures of Southern Europe

Catalog Number: 0603

Michael Herzfeld

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

This is a survey of the modern cultures of Cyprus, Greece, Italy, Malta, Portugal, and Spain. Southern Europe has been viewed as both the fount of “Western civilization” and as a poor and



crime-ridden backwater; it has been home to imperial powers and humiliated client-states alike. Through the reading of anthropological field studies (urban and rural), literary and historical portrayals, and artistic representations (including film and opera), this course focuses on what such contradictions mean for people in those countries at the level of everyday life, and provides an account of differences as well as similarities among the countries discussed.

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

Catalog Number: 3396

Eric Rentschler

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

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

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

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

Catalog Number: 0671

Stephen A. Mitchell

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

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

Note: Expected to be omitted in 2001–02.

Foreign Cultures 80. The Cultural Identities of Modern Korea

Catalog Number: 8798

David McCann

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

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



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

Catalog Number: 2619

William E. Granara

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

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

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

Cross-listed Core courses that satisfy the Foreign Cultures requirement

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

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

Historical Study A-14. Japan: Tradition and Transformation

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

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

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

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

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

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

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

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

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

Departmental courses that satisfy the Foreign Cultures requirement

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

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

Historical Study

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

*Historical Study A*

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

Historical Study B

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

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

Catalog Number: 5129

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

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

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

Catalog Number: 5243

*Peter K. Bol and William C. Kirby**Half course (fall term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4*

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



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

Historical Study A-14. Japan: Tradition and Transformation

Catalog Number: 5373

Mikael Adolphson and Andrew Gordon

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

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

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

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

Catalog Number: 8301

Pratap Bhanu Mehta and Devesh Kapur

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

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

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

[Historical Study A-17. Modern Political Ideologies]

Catalog Number: 2692

Stanley Hoffmann and Pratap Bhanu Mehta

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

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

Note: Expected to be given in 2002–03.

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

Catalog Number: 5693

Everett I. Mendelsohn

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

**GROUP: 5**

Case studies focus on the atom, the gene, the environment, and the computer. The changing nature of the scientific enterprise, its intellectual structures, and its social relations are examined. Aspects of science and war, science and the state, science and totalitarianism, and science and industry are treated. Additional topics include science and inequality; race and gender; and the competition for human and material resources.

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 6861

John H. Coatsworth

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

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

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

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

Catalog Number: 8149

Ann M. Blair

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

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 3555

Laurel Thatcher Ulrich

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

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



Discussion will focus on close analysis of primary materials.

Note: Expected to be given in 2001–02.

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

Catalog Number: 1552

Allan M. Brandt

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

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

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

Note: Expected to be given in 2001–02.

Historical Study A-35. Democracy in America and Europe

Catalog Number: 9060

James T. Kloppenberg

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

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

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

Catalog Number: 5423

Cemal Kafadar

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

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

Note: Expected to be given in 2001–02.



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

Catalog Number: 1263

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 11, and a weekly section to be arranged. EXAM GROUP: 13

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 2517

Akira Iriye

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 8261

Peter A. Hall

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

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



competing approaches to understanding the processes of change associated with the development of the modern state.

Note: Expected to be given in 2001–02.

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

Catalog Number: 0893

William C. Kirby

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

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

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

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

Catalog Number: 3594

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 0541

Philip A. Kuhn

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

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

Note: Expected to be omitted in 2001–02.



Historical Study A-80. The Cold War

Catalog Number: 5222

Ernest R. May

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 0303

Philip A. Kuhn

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 2361

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

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

Note: Expected to be given in 2001–02.

Historical Study B

Historical Study B-04. Ancient Greek Democracy

Catalog Number: 6791

Eric W. Robinson

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

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



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

Note: Expected to be omitted in 2001–02.

Historical Study B-09. The Christian Revolution

Catalog Number: 6389

Christopher P. Jones

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

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

Note: Expected to be omitted in 2001–02.

[Historical Study B-11. The Crusades]

Catalog Number: 0434

Angeliki E. Laiou

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 2567

Michael McCormick

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

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



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

[Historical Study B-18. The Protestant Reformation]

Catalog Number: 0623

Steven Ozment

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 4631

James Hankins

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

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

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

[Historical Study B-27. The English Revolution]

Catalog Number: 5234

Mark A. Kishlansky

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

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

Note: Expected to be given in 2001–02.



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

Catalog Number: 0525

Patrice Higonnet

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

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

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

Catalog Number: 2264

Laurel Thatcher Ulrich

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 3386

William E. Gienapp

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

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

Note: Expected to be given in 2001–02.

[Historical Study B-46. The Darwinian Revolution]

Catalog Number: 5988

Everett I. Mendelsohn

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

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



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

Note: Expected to be given in 2001–02.

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

Catalog Number: 3834

Emmanuel K. Akyeampong

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 4388

Charles S. Maier

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 6497

Charles S. Maier

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

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

Note: Expected to be omitted in 2001–02.



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

Catalog Number: 6756

Susan Pedersen

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 5393

Stanley Hoffmann

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

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

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

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

Catalog Number: 6840

Morton J. Horwitz (Law School)

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 6974

Jorge I. Domínguez

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



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

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

Historical Study B-67. Japan's Modern Revolution

Catalog Number: 4164

Daniel V. Botsman

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 3447

Hue-Tam Ho Tai and Ernest R. May

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

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

Note: Expected to be omitted in 2001–02.

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

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

Foreign Cultures 48. The Cultural Revolution

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

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

***Departmental courses that satisfy the Historical Study B requirement.***

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

History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650*Literature and Arts***AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION**

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

Literature and Arts A

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

Literature and Arts B

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

Literature and Arts C

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

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

Catalog Number: 0691

Judith Ryan



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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 7478

Maria Tatar

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 1177

Robert Kiely

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 5808

Helen Vendler

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

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



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

Note: Expected to be given in 2001–02.

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

Catalog Number: 6090

Lino Pertile

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 0172

Bennett Simon (Medical School)

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

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

Catalog Number: 0176

Marjorie Garber

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 1624

Marjorie Garber

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

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



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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 1250

Ruth R. Wisse

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 0287

Werner Sollors

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 1093

William Mills Todd III

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 4783

Lawrence Buell

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

A study of selected traditions in American writing that have been formed by perceptions of the American environment. Topics include the cult of wilderness; white images of the American



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

Note: Expected to be given in 2002–03.

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

Catalog Number: 3545

Sacvan Bercovitch

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 3957

Patrick K. Ford

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 7991

Peter Machinist

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 7800

Leo Damrosch

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

15



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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 3089

Alfred Thomas

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

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

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

Catalog Number: 8909

Jay Rubin

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 7919

Stephen A. Mitchell

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

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

Catalog Number: 9297

William A. Graham, Jr.

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



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

Note: Expected to be omitted in 2001–02.

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

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

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

Departmental courses that satisfy the Literature and Arts A requirement

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

English 150. English Romantic Poets

Literature and Arts B

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

Catalog Number: 0149

Henri Zerner

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 2267

David Gordon Mitten

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

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



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

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

Catalog Number: 5822

Suzanne P. Blier

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

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

Note: Expected to be given in 2001–02.

Literature and Arts B-31. The Portrait

Catalog Number: 4240

Henri Zerner

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 1678

Gülru Necipoglu-Kafadar

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

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



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

Note: Expected to be given in 2001–02.

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

Catalog Number: 3767

Alice G. Jarrard

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 6029

David J. Roxburgh

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

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

Literature and Arts B-48. Chinese Imaginary Space

Catalog Number: 9186

Eugene Yuejin Wang

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

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



role of space in the making of visual culture.

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 0144

Thomas Forrest Kelly

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

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

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

Catalog Number: 5668

Christoph Wolff

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

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

Note: Expected to be given in 2002–03.

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

Catalog Number: 1487

Robert D. Levin

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 4956

Lewis Lockwood

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

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



works by Mozart, Verdi, and Wagner.

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 1520

Christoph Wolff

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 7707

Reinhold Brinkmann

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 7260

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

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

Note: Expected to be given in 2001–02.

Literature and Arts B-78. Soundscapes: World Music at Home and Abroad

Catalog Number: 2093

Kay Kaufman Shelemay

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

**GROUP: 4**

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

[Literature and Arts B-80. The Swing Era]

Catalog Number: 1899

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

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

*Note: Expected to be given in 2001–02.***Literature and Arts C****Literature and Arts C-14. The Concept of the Hero in Greek Civilization**

Catalog Number: 3915 Enrollment: Limited to 140.

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

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

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

Catalog Number: 7384

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

An exploration of Hindu myths, images, and pilgrimages in the context of classical and modern Hindu culture. Studies the stories of the gods of India: Vishnu, Krishna, Shiva, and Devi; the



heroes and heroines of the Ramayana and the Mahabharata; the temples and visual images of the gods and heroes in the classical and folk traditions; and the pilgrimages that link this mythological and artistic complex to the mountains, rivers, and cities of India.

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

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

Catalog Number: 7817

Tomás Ó Cathasaigh

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 2020

Jan Ziolkowski

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

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

[Literature and Arts C-25. The Medieval Stage]

Catalog Number: 5114

Eckehard Simon

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 2798

Michael S. Flier

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

**GROUP: 4**

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

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

Literature and Arts C-30. How and What Russia Learned to Read: The Rise of Russian Literary Culture

Catalog Number: 7952

William Mills Todd III

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

An exploration in the Russian imperial period (18th-19th centuries) of the development of a secular literary tradition. Focus on institutions of literature, issues of literature and ideology, and the refraction of cultural problems in literary form. Reading of novels by Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy in social and historical context.

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

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

Catalog Number: 1255

Gary Anderson (Divinity School)

Half course (spring term). M., W., at 1. EXAM GROUP: 6

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

Literature and Arts C-40. The Chinese Literati

Catalog Number: 5226

Peter K. Bol

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

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



Literature and Arts C-42. Constructing the Samurai

Catalog Number: 3743

Harold Bolitho

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

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

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

Literature and Arts C-43. The Medieval Court

Catalog Number: 5794

Eckehard Simon

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

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

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

Catalog Number: 2205

Mary Gaylord

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

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

Note: Readings in English translation or in original languages.

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

Catalog Number: 6984

John E. Malmstad

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

An introduction to the radical transformations of Russian culture between 1890–1930, with particular attention to the "isms," avant-garde and otherwise, that shaped society and the arts



during a period of rapid modernization and experimentation: Symbolism, Futurism, CuboFuturism, Suprematism, Constructivism. Focuses on developments in literature, art, music, ballet, and film, their interaction and relation to the historical context.

Note: Expected to be given in 2001–02. All readings in English. For students under the Core requirement, counts as either Literature and Arts C or Foreign Cultures, but not both.

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

Catalog Number: 7818

Susan R. Suleiman

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

An overview of Surrealism in the context of European culture and politics of this century. Focus on major works of writers, artists, and filmmakers associated with the Surrealist movement, chiefly in the period between the two world wars; some attention also paid to earlier works and movements, and to the influence of and reactions to Surrealism after 1945. Discussion of works by Breton, Aragon, Tzara, Lautréamont, Artaud, Eluard, Carrington, Bunuel and Dali, Dulac, Magritte, Tanning, Ernst, Man Ray, Bellmer, and others.

Note: Expected to be given in 2001–02.

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

Catalog Number: 1101

R. J. Tarrant

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

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

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

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

Catalog Number: 4312

Peter J. Burgard

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

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



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

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

Literature and Arts C-67. The German Colonial Imagination

Catalog Number: 9369

Judith Ryan

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

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

Note: Expected to be omitted in 2001–02.

Literature and Arts C-69. Pompeii

Catalog Number: 8499

Rabun Taylor

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

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

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

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

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

Moral Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Moral Reasoning

[Moral Reasoning 17. Democracy and Inequality]

Catalog Number: 6085



Harvey C. Mansfield

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

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

Note: Expected to be given in 2001–02.

Moral Reasoning 22. Justice

Catalog Number: 3753

Michael J. Sandel

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

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

Note: Expected to be omitted in 2001–02.

[Moral Reasoning 28. Ethics and International Relations]

Catalog Number: 0642

Stanley Hoffmann and J. Bryan Hehir (Divinity School)

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

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

Note: Expected to be given in 2001–02.

[Moral Reasoning 33. Issues in Ethics]

Catalog Number: 2255

Thomas M. Scanlon, Jr.

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

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

Note: Expected to be given in 2001–02.



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

Catalog Number: 0466

Wei-Ming Tu

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

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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 1262

Seyla Benhabib and Glyn Morgan

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

The line between what is considered “private” and what belongs to the “public” varies culturally, historically, and socially. The aim is to introduce students to central issues in Western moral, legal, and political thought by examining the ways in which this distinction has been drawn and justified in the work of major thinkers. The course also deals with feminist criticisms of the public/private split, as well as examining recent developments concerning privacy rights in American legal theory. Readings from Aristotle, *Antigone*, *Lysistrata*, Locke, Rousseau, Virginia Woolf, Michel Foucault, and Supreme Court decisions *Roe v. Wade*, *Bowers v. Hardwick*, etc.

Note: Expected to be given in 2001–02.

Moral Reasoning 52. Property Rights: Morals and Law

Catalog Number: 0894

Frank I. Michelman (Law School)

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

Morally speaking, what is “having a right” to something? What views of the human condition inspire moral notions of property rights? What becomes of them in legal reasoning? (Legal thought reflects special concerns about the rule of law and the uses of state power, which may help shape legal understandings of property rights.) Examines legal controversies—concerning landlord-tenant disputes, environmental regulation, disputes between spouses and domestic partners, Indian land claims, and rights of the homeless to shelter—in light of readings from Aristotle, Locke, Hume, Kant, Bentham, Hegel, Marx, American progressives, and contemporary commentators.

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

Catalog Number: 1321

Jay M. Harris

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

For centuries various Jewish and Christian thinkers have asserted that moral judgement is



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

Note: Expected to be omitted in 2001–02.

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

Catalog Number: 6507

Richard Moran

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

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

Note: Expected to be given in 2001–02.

[Moral Reasoning 58. Slavery in Western Political Thought]

Catalog Number: 8892

Richard Tuck

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

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

Note: Expected to be given in 2001–02.

[Moral Reasoning 60. Reason and Morality]

Catalog Number: 9557

Melissa Barry

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

Can our moral views be defended by rational argument? Or must we resort to mere assertion and counterassertion when trying to defend moral positions? Are there moral facts? If we can reason about morality, what might such reasoning look like? We shall consider (1) several influential



accounts of the nature of moral reasoning, and (2) a powerful challenge to the very idea of reasoning about morality. Readings include works by Hobbes, Kant, Mill, Nietzsche, and some contemporary authors.

Note: Expected to be given in 2001–02.

Moral Reasoning 62. Reasoning In and About the Law

Catalog Number: 0286

Michael Blake

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

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

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

Catalog Number: 7803

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

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

Note: Expected to be given in 2001–02.

Moral Reasoning 66. Moral Reasoning About Social Protest

Catalog Number: 7778

Susanna Siegel

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

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

Departmental courses that satisfy the Moral Reasoning requirement

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

Philosophy 168. Kant's Ethical Theory

Philosophy 174. Recent Ethical Theory

Quantitative Reasoning



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Quantitative Reasoning

Quantitative Reasoning 20. Computers and Computing

Catalog Number: 5430 Enrollment: Limited to 60.

William H. Bossert

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

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

Note: Previous programming experience is not required.

Quantitative Reasoning 22. Deductive Logic

Catalog Number: 2508

Richard G. Heck, Jr.

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

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

[Quantitative Reasoning 24. Health Economics]

Catalog Number: 4667

David M. Cutler

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

Analysis of the medical care system is integral to a number of disciplines, including economics, philosophy, sociology, demography, and statistics, as well as four professional schools (medicine, public health, law, and public policy). This course uses quantitative methods to



examine the organization and operation of the medical system. The course will cover the medical and non-medical determinants of health; markets for medical care services and health insurance; and proposed reforms of medical care. Methods of analysis will include graphical analysis, algebra, survey design, and use of secondary data. Techniques will be developed in class and section. Use of a computer spreadsheet is required and will be demonstrated in class and section. *Note:* Expected to be given in 2001–02.

Quantitative Reasoning 26. Choice and Chance: The Mathematics of Decision Making

Catalog Number: 4123

Daniel L. Goroff and Howard Raiffa (Business School)

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

This course develops mathematical ideas that can help individuals make rational choices. We study both decisions whose results are predictable as well as those made under uncertainty, including cases designed for professional school classes. Topics range from methods of optimization to probability theory, and from systems that evolve over time to empirical surprises concerning how people estimate, wager, and make choices in practice.

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

Quantitative Reasoning 28. The Magic of Numbers

Catalog Number: 4764

Benedict H. Gross and Joseph D. Harris

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

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

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

[Quantitative Reasoning 30. Quantitative Methods in Political Science]

Catalog Number: 5687

Gary King

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

This course is about *inference* in political science: *using facts we know to learn about facts we do not know*. Its focus is inference from quantitative data (although the same insights apply to good nonquantitative research). Students learn the major quantitative techniques used in political science and related social sciences. The course explores data analysis, as well as descriptive and causal statistical inference of many types. The course emphasizes probability theory, regression analysis and other statistical techniques, and uses techniques of stochastic simulation to get answers easily and to interpret statistical results in a manner very close to the political substance of the problem at hand.

Note: Expected to be given in 2001–02.



Quantitative Reasoning 32. Uncertainty and Statistical Reasoning

Catalog Number: 2228

Carl N. Morris

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

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

Note: Expected to be omitted in 2001–02.

[Quantitative Reasoning 33. Causal Inference]

Catalog Number: 0424

Donald B. Rubin

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

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

Note: Expected to be given in 2001–02.

[Quantitative Reasoning 34. Counting People]

Catalog Number: 4329

Peter T. Ellison

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

The size, composition, distribution, and dynamics of human populations arise as important variables in many domains of inquiry spanning traditional academic boundaries, including sociology, history, economics, government, public health, and environmental science. This course seeks to introduce students to the field of human demography as both an area of study and a mode of inquiry. Emphasis is placed on understanding the methods by which inferences concerning the nature, distribution, and dynamics of human populations are drawn from census and vital registration data. Students gain experience in the analysis of real demographic data and the application of demographic analyses to a variety of problems drawn from both the social and natural sciences.

Note: Expected to be given in 2001–02.

Quantitative Reasoning 36. Statistics and Public Policy

Catalog Number: 7412

Christopher Winship

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



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

Note: Expected to be omitted in 2001–02.

[Quantitative Reasoning 37. Surveys and Statistics in Sociology]

Catalog Number: 8610

Peter V. Marsden

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

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

Note: Expected to be given in 2001–02.

[Quantitative Reasoning 38. The Strategy of International Politics]

Catalog Number: 7119

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

International politics is often about strategic interaction among states. When governments make choices about economic, military, or environmental policies, they take into account the likely responses and actions of others. This course introduces the logic of strategic interaction by way of game theory. The principles of game theory are introduced, and students learn how to solve simple games. Mathematical topics covered include probabilities, set theory, linear equations, and quadratic equations. The games are motivated and illustrated with examples drawn from international politics. The logic and techniques developed in this class have wide applications outside the field of international relations.

Note: Expected to be given in 2001–02.

Departmental courses that satisfy the Quantitative Reasoning requirement

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

Computer Science 50. Introduction to Computer Science I

Mathematics 1a. Introduction to Calculus

Mathematics 1b. Calculus, Series and Differential Equations

Mathematics 19. Mathematical Modeling

Mathematics 20. Introduction to Linear Algebra and Multivariable Calculus

Mathematics 21a. Multivariable Calculus

Mathematics 21b. Linear Algebra and Differential Equations

Statistics 100. Introduction to Quantitative Methods



Statistics 101. Introduction to Quantitative Methods

Statistics 102. Fundamentals of Biostatistics

Statistics 104. Introduction to Quantitative Methods

Statistics 110. Introduction to Probability

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

Mathematics Xa. Introduction to Functions and Calculus I

Mathematics Xb. Introduction to Functions and Calculus II

Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Science A

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

Science B

Courses in this section, emphasizing biological, evolutionary, and environmental science, present semiquantitative and frequently descriptive accounts of complex systems that cannot yet be fully analyzed on the basis of their simple elements.

Science A

Science A-24. The Dynamic Earth

Catalog Number: 3744 Enrollment: Limited to 100.

Richard J. O'Connell

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

A discussion of physical processes that formed the Earth and govern its continuing evolution. How internal workings shape the planet's surface, producing volcanism, earthquakes, and the uplift of mountains. The course describes the theory of plate tectonics; reviews the observations and phenomena that led to the hypothesis; describes methods of deducing the present state,



composition, and structure of the Earth's interior; discusses the age and the thermal state of the Earth and the evidence for the flow and mobility of the interior. Students are encouraged to think critically, and to appreciate the uncertainties in current models and hypotheses.

Science A-29. The Nature of Light and Matter

Catalog Number: 1706

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

Explores the ultimate nature of light and its interaction with matter. An excursion through the physical world that strives to develop an understanding of the modern concept of wave-particle duality. The background of that theory includes a succession of analogies, such as that of light with sound, and of the ways in which atomic particles and light behave. The course thus emphasizes, for example, the common features of musical instruments, broadcast transmitters, and radiating atoms. Lecture demonstrations, which are central in importance, are drawn from many areas of optics, acoustics, electromagnetism, and atomic physics. The behavior of waves of various sorts is used to elucidate the limitations on knowledge imposed by the uncertainty principle.

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

Science A-30. The Atmosphere

Catalog Number: 0477 Enrollment: Limited to 60.

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

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

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

Science A-35. Matter in the Universe

Catalog Number: 5923 Enrollment: Limited to 325.

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

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

Science A-36. Observing the Sun and the Stars

Catalog Number: 4775

Jonathan E. Grindlay



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

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

[Science A-39. Time]

Catalog Number: 0077

Gary J. Feldman

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

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

Note: Expected to be given in 2001–02.

[Science A-41. The Einstein Revolution]

Catalog Number: 3581

Peter L. Galison

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

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

Note: Expected to be given in 2002–03.

Science A-43. Environmental Risks and Disasters

Catalog Number: 6001

Göran Ekström

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

An introduction to risks and hazard in the environment. Different types of hazards are analyzed and compared: natural disasters, such as tornados, earthquakes and meteorite impacts; acute and chronic health effects caused by exposure to radiation and toxic substances such as radon,



asbestos and dioxin; long-term societal effects due to environmental change, such as sea level rise and global warming. Emphasizes the basic physical principles controlling the hazardous phenomena and develops simple quantitative methods for making scientifically reasoned assessments of the threats (to health and wealth) posed by various events, processes and exposures. Discusses methods of risk mitigation and sociological, psychological and economic aspects of risk control and management.

Note: Expected to be omitted in 2001–02.

[Science A-45. Reality Physics]

Catalog Number: 4562

Gerald Gabrielse

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

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

Note: Expected to be given in 2001–02.

Science A-47. Cosmic Connections

Catalog Number: 6940

Lars Hernquist

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

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

Science A-49. The Physics of Music and Sound

Catalog Number: 8987

Eric J. Heller and John Huth

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

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

Departmental courses that satisfy the Science A requirement



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

Astronomy 14. The Universe and Everything

Chemistry 5. Introduction to Principles of Chemistry

Chemistry 7. Principles of Chemistry

Chemistry 10. Accelerated Course: Foundations of Chemistry

Chemistry 17. Principles of Organic Chemistry

Chemistry 20. Organic Chemistry

Chemistry 27. Organic Chemistry of Life

Chemistry 30. Organic Chemistry

Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere

Earth and Planetary Sciences 7. Introduction to Geological Sciences

Physics 11a. Mechanics

Physics 11b. Electricity, Magnetism, and Waves

Physics 15a. Introductory Mechanics and Relativity

Physics 15b. Introductory Electromagnetism

Physics 15c. Wave Phenomena

Physics 16. Mechanics and Special Relativity

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

Physics 1a. Principles of Physics: Mechanics

Physics 1b. Principles of Physics: Electricity, Waves, Nuclear Physics

Science B

Science B-16. History of Life

Catalog Number: 6718 Enrollment: Limited to 200.

Stephen J. Gould

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

EXAM GROUP: 13, 14

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

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

Science B-23. The Human Organism

Catalog Number: 6581



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

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

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

Science B-27. Human Evolution

Catalog Number: 0470

David Pilbeam

Half course (spring term). M., W., F., at 10, and a 90-minute weekly section to be arranged. EXAM GROUP: 3

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

Note: Expected to be omitted in 2001–02.

Science B-29. Human Behavioral Biology

Catalog Number: 0152 Enrollment: Limited to 400.

Irven DeVore, Marc D. Hauser, and Richard W. Wrangham

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

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

Science B-40. The Biology of Trees and Forests

Catalog Number: 2635

Donald H. Pfister

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



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

Science B-44. Vision and Brain

Catalog Number: 4722

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

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

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

Catalog Number: 3395

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

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

[Science B-48. From DNA to Brain]

Catalog Number: 3320

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

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

Note: Expected to be given in 2001–02.*Prerequisite:* Secondary school chemistry.**Science B-53. Biology of Marine Organisms**

Catalog Number: 7050 Enrollment: Limited to 96.

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



15, 16

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

Prerequisite: Secondary school biology.

[Science B-55. Evolutionary Biology]

Catalog Number: 1199

Stephen R. Palumbi

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

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

Note: Expected to be given in 2001–02.

[Science B-57. Dinosaurs And Their Relatives]

Catalog Number: 0793

Charles R. Marshall

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

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

Note: Expected to be given in 2001–02.

Departmental courses that satisfy the Science B requirement

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

Biological Sciences 51 (formerly Biological Sciences 2). Integrative Biology of Organisms
Biological Sciences 52 (formerly Biological Sciences 10). Introductory Molecular Biology
Biological Sciences 80 (formerly Biological Sciences 25). Behavioral Neuroscience
Earth and Planetary Sciences 6. Introduction to Environmental Science: The Solid Earth

Social Analysis

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of courses in Social Analysis is to acquaint students with some of the central concepts and methods of the social sciences and to show how these approaches can enhance our understanding of contemporary human behavior. Social Analysis courses are not intended to provide a survey of a particular discipline, but rather to show how, by the use of formal theories



that are systematically related to empirical data, one can better understand the application of analytical methods to important problems involving the behavior of people and institutions.

Social Analysis

Social Analysis 10. Principles of Economics

Catalog Number: 3660

Martin Feldstein, Judith Li and members of the Economics Department

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

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

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

[Social Analysis 16. War]

Catalog Number: 4028

Stanley Hoffmann

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 4247

Arthur Kleinman and Byron J. Good (Medical School)

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

An inquiry into the role of health and medicine in society that demonstrates how anthropological analysis can be applied to the study of illness and care. Compares Western and non-Western medical systems to understand what is shared and what is culturally distinctive in the experience and treatment of sickness. Analyzes how practitioners (biomedical and folk) and patients construe sickness and suffering as distinctive social realities, and how those realities are organized in local cultural systems. Assesses varieties of suffering as social phenomena in order



to appreciate the social sources of international social problems, the cross-cultural variety of illness experiences, the reform of services, and the global moral and political-economic crisis in health care.

Note: Expected to be given in 2001–02.

Social Analysis 34. Knowledge of Language

Catalog Number: 2069

Bert Vaux

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

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

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

Catalog Number: 2027

Nur Yalman

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

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

Note: Expected to be omitted in 2001–02.

[Social Analysis 38. Social Stratification]

Catalog Number: 2505

Aage B. Sørensen

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

Introduction to knowledge and ideas about the nature, causes, and consequences of social stratification in modern society. Examines the basic dimensions of social and economic inequality in society, and presents the most important theoretical perspectives on the causes of social stratification. Considers the openness of modern society in terms of the degree of inequality of opportunity by family background, race, and gender.

Note: Expected to be given in 2001–02.

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

Catalog Number: 3544

Kenneth A. Shepsle

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

A commonsensical survey of rational theories of politics, comprised of four segments: (1)



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

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

Catalog Number: 4409

C. C. Lamberg-Karlovsky

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

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

Note: No previous knowledge of archaeology is necessary.

[Social Analysis 52. Growth and Development in Historical Perspective]

Catalog Number: 1879

Robert H. Bates

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

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

Note: Expected to be given in 2001–02.

Social Analysis 54. American Society and Public Policy

Catalog Number: 6661

Theda Skocpol and Mary C. Waters

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

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



and children, about immigration and citizenship, and about access to health care in the United States.

Social Analysis 58. Representation, Equality, and Democracy

Catalog Number: 1341

Sidney Verba

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

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

Cross-listed Core courses that satisfy the Social Analysis requirement

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

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

General Education Electives

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Non-Departmental Instruction

Susan Pedersen, Professor of History and Dean for Undergraduate Education (*Chair*)

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

William E. Gienapp, Harvard College Professor and Professor of History

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

Alastair Iain Johnston, Governor James Albert Noe, Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs

Christopher P. Jones, George Martin Lane Professor of the Classics and of History (*on leave spring term*)

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



Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology
Christie McDonald, Smith Professor of French Language and Literature
Elisa New, Professor of English and American Literature and Language
Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy

General Education Courses

General Education 105. The Literature of Social Reflection

Catalog Number: 0769

Robert Coles (Graduate School of Education and Medical School)

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

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

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

Catalog Number: 3172 Enrollment: Limited to 25. Limited to 25.

Anthony G. Oettinger

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

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

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

Prerequisite: Social Analysis 10 or elementary calculus or equivalent.

General Education 175 (formerly Anthropology 199a). Native Americans in the 21st Century: Nation-Building I

Catalog Number: 5587

Joseph P. Kalt (Kennedy School), Joseph Singer (Law School), and guest lecturers

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



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., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Provides students with an overview of U.S. health care delivery system, its components, and policy challenges. Health care system considered from organizational perspective: analyzes 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 are objectives and how can they be realized? What consensus exists, if any? Reading will include selections from medical sociology, economics, politics, anthropology, and ethics.

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

Catalog Number: 4832 Enrollment: Limited to 35.

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

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

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 postmodern renovations of today. Books from Houghton Library collections are viewed and discussed in relation to their manufacture, distribution, and use. Much of the work is comparative. Vocations of book culture to be studied and illustrated are printer, book artisan, publisher, bookseller, collector, librarian, antiquarian bookseller, and bibliographer.

Note: Expected to be given in 2001–02.

Eliot

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

Catalog Number: 1497 Enrollment: Limited to 20.

Clifford Lo (Medical School)

Half course (spring term). Tu., 6–8 p.m.

Introduction to the critical reading of technical nutrition and medical literature; surveys current issues in public health and public policy relating to nutrition. Critical analysis of different types of medical literature: historical monographs, metabolic laboratory observations, clinical case reports, epidemiological surveys, prospective randomized controlled trials, metaanalyses, and literature reviews. Prepares science and non-science concentrators to examine critically current controversies for themselves; requires active participation and presentation by students.

Note: Clinical rounds with the Nutrition Support Services at Children's Hospital will be optional.

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

Catalog Number: 2966 Enrollment: Limited to 12.

Patrick K. Ford

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

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

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

Leverett

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

Catalog Number: 0773 Enrollment: Limited to 20.

***Armand M. Nicholi, II (Medical School)******Half course (spring term). Tu., 7–9 p.m.***

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

Freshman Seminars***Faculty Offering Instruction in the Freshman Seminar Program***

Paul G. Bamberg, Senior Lecturer on Mathematics

Sacvan Bercovitch, Powell M. Cabot Professor of American Literature (*on leave fall term*)

Katherine Elizabeth Boutry, Lecturer on English and American Literature and Language

Alide Cagidemetro, Visiting Professor of History and Literature (*University of Udine*)

Alan Ralph Cooper, Lecturer on History and Literature

Richard N. Cooper, Maurits C. Boas Professor of International Economics

James Cuno, Professor of History of Art and Architecture and Elizabeth and John Moors Cabot Director of the Harvard University Art Museums

Alexia Elisabeth Duc, Assistant Professor of Romance Languages and Literatures

John Thomas Dunlop, Lamont University Professor, Emeritus

Carlos Ramiro Espinosa, Lecturer on History and Literature

Rena Fonseca, Lecturer on Sanskrit and Indian Studies

David R. Foster, Senior Lecturer on Biology

Jene A. Golovchenko, Gordon McKay Professor of Applied Physics and Professor of Physics

Andrew Gordon, Professor of History

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

David H. Hubel, Research Professor of Neurobiology (*Medical School*)

Daniel Itzkovitz, Lecturer on History and Literature

Jonathan D. Kahn, Visiting Associate Professor of Social Studies (*Bard College*)

Jason A. Kaufman, Associate Professor of Sociology

Dirk Killen, Allston Burr Senior Tutor in Pforzheimer House, Lecturer on History and Literature

Myron Lecar, Lecturer on Astronomy

David A. Long, Lecturer on History and Literature

Anne Lynn Lounsbery, Lecturer on History and Literature

Sylvia Maxfield, Lecturer on Government

Barry C. Mazur, Gerhard Gade University Professor

Mark Mitrovich, Lecturer on Social Studies

Mark Christopher Molesky, Lecturer on History and Literature

Martha Jane Nadell, Lecturer on History and Literature

Pauline E. Peters, Lecturer on Anthropology



Mark P. Risinger, Lecturer on Music

Karen-Sue Taussig, Lecturer on Social Studies, Teaching Assistant in the History of Science

Ezra Fred Tawil, Lecturer on History and Literature

P. Barry Tomlinson, Edward C. Jeffrey Professor of Biology, Emeritus

Justin Weir, Assistant Professor of Slavic Languages and Literatures

Abby Wolf, Lecturer on History and Literature

Only students in Freshman standing at Harvard College may apply for a Freshman Seminar. Enrollment in Freshman Seminars is limited to 12. For a complete description of the Freshman Seminar Program and 2000–01 offerings, please consult the current Freshman Seminar catalog. Catalogs and application forms may be obtained from the Freshman Seminar Office, 6 Prescott Street, Cambridge, MA 02138 (telephone: (617) 495-1523; email: seminars@fas.harvard.edu).

Freshman Seminars 2000–01

***Freshman Seminar 2. Calculating Pi**

Catalog Number: 4737

Paul G. Bamberg

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

***Freshman Seminar 5. Reruns in American Literature**

Catalog Number: 5868

Sacvan Bercovitch

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

***Freshman Seminar 7. Willa Cather and Music**

Catalog Number: 1980

Katherine Elizabeth Boutry

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

***Freshman Seminar 9. Europe in American Literature and Film**

Catalog Number: 2891

Alide Cagidemetro (University of Udine)

Half course (fall term). Hours to be arranged. EXAM GROUP: 7, 8, 9

***Freshman Seminar 10. Late Medieval England**

Catalog Number: 0011

Alan Ralph Cooper

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

***Freshman Seminar 11. Public Policy Approaches to Global Climate Changes**

Catalog Number: 1032

Richard N. Cooper

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



***Freshman Seminar 12. Considering the Works of Art in the Harvard Art Museums, from Antiquity to the Present**

Catalog Number: 0012

James Cuno

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

***Freshman Seminar 14. Molière and Comedy**

Catalog Number: 9131

Alexia Elisabeth Duc

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

***Freshman Seminar 16. The Workplace: The Roles of Business, Labor, and Government**

Catalog Number: 0016

John Thomas Dunlop

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

***Freshman Seminar 17. Colonizing the Americas**

Catalog Number: 7243

Carlos Ramiro Espinosa

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

***Freshman Seminar 19. Contemporary India: Fact and Fiction**

Catalog Number: 0019

Rena Fonseca

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

***Freshman Seminar 20. Physicists and Scientific Problems**

Catalog Number: 0020

Jene A. Golovchenko

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Freshman Seminar 21. Sayuri's World: The Problem of Orientalism and the Historical Context for *Memoirs of a Geisha

Catalog Number: 5148

Andrew Gordon

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

***Freshman Seminar 23. “Are We Alone”: Historical Impact of the Idea of Extraterrestrial Intelligent Life**

Catalog Number: 7829

Karl S. Guthke

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

***Freshman Seminar 27. The Neurophysiology of Visual Perception**

Catalog Number: 7584



David H. Hubel (Medical School)

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

***Freshman Seminar 28. Race, Modernism, and American Culture**

Catalog Number: 0030

Daniel Itzkovitz

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

***Freshman Seminar 29. The Founders' Constitution**

Catalog Number: 1775

Jonathan D. Kahn (Bard College)

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

***Freshman Seminar 30. Civil Rights and Civil Liberties**

Catalog Number: 0483

Jonathan D. Kahn (Bard College)

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

***Freshman Seminar 31. Media, Culture, and Society: Roots of the Current Debate**

Catalog Number: 5899

Jason A. Kaufman

Half course (fall term). F., 3–6. EXAM GROUP: 8, 9

***Freshman Seminar 32. Literature of Irish America: 20th-Century Voices**

Catalog Number: 0032

Dirk Killen

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

***Freshman Seminar 34. Cosmology**

Catalog Number: 0034

Myron Lecar

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

***Freshman Seminar 35. A Literary Tour of the American South**

Catalog Number: 8135

David A. Long

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

***Freshman Seminar 36. Readings in the American Gothic**

Catalog Number: 5315

David A. Long

Half course (spring term). Tu., 3–6. EXAM GROUP: 17, 18

***Freshman Seminar 37. The Irresistible Strangeness of the Russian Novel**

Catalog Number: 4101



Anne Lynn Lounsbery

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

***Freshman Seminar 38. The Contemporary Latin American Political and Economic Landscape**

Catalog Number: 0038

Sylvia Maxfield

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

***Freshman Seminar 39. The Mathematics of Knots, Links, and Braids**

Catalog Number: 6310

Barry C. Mazur

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

***Freshman Seminar 40. Tyranny of the Majority**

Catalog Number: 6969

Mark Mitrovich

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

***Freshman Seminar 41. Memoirs and Biographies of the Holocaust**

Catalog Number: 9873

Mark Christopher Molesky

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

***Freshman Seminar 42. Black Aesthetics**

Catalog Number: 7836

Martha Jane Nadell

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

***Freshman Seminar 46. Development Dilemmas**

Catalog Number: 1606

Pauline E. Peters

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

***Freshman Seminar 49. Biographical Fictions: Composers on Film**

Catalog Number: 6460

Mark P. Risinger

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

***Freshman Seminar 57. Social and Historical Issues in the Age of the New Genetics**

Catalog Number: 2314

Karen-Sue Taussig

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

***Freshman Seminar 58. Race in American Culture**

Catalog Number: 3402



Ezra Fred Tawil

Half course (spring term). W., 4–6:30. EXAM GROUP: 9

***Freshman Seminar 60. Research at the Harvard Forest**

Catalog Number: 0060

P. Barry Tomlinson and David R. Foster

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

***Freshman Seminar 67. Russian Psychological Fiction**

Catalog Number: 6929

Justin Weir

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

***Freshman Seminar 69. The Writing of E.M. Forster**

Catalog Number: 9285

Abby Wolf

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

African Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on African Studies

K. Anthony Appiah, Charles H. Carswell Professor of Afro-American Studies and of Philosophy
(*Chair*)

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

Emmanuel K. Akyeampong, Professor of History

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture (*on leave 2000-01*)

Robert H. Bates, Eaton Professor of the Science of Government (*on leave 2000-01*)

Suzanne P. Blier, Professor of the History of Art and Architecture (*on leave 2000-01*)

Jennifer Cole, Assistant Professor of Anthropology (*on leave 2000-01*)

Samba Diop, Assistant Professor of Romance Languages and Literatures (*on leave 2000-01*)

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*)

Harald K. Heggenhougen, Cross-listed: Other Faculty

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



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

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

Pauline E. Peters, Lecturer on Anthropology

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music (*on leave fall term*)

Richard Wolf, Assistant Professor of Music

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 thesis study in Africa.

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

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

Freshman Seminar 17;

Afro-American Studies 11, 136x, 136y, 136z, 140;

Anthropology 98z, 105, 123, 139, 147, 208, 243, 277, 323;

Economics 1366, 1399;

English 167p;

Folklore and Mythology 113, 114, 115;

French 38b, 70c, 191, 194, 289r;

Government 90km, 1100, 2117, 2162, 2197;

History 1902, 1906, 1907, 1908, 1910, 1912, 1913, 1914, 1930, 2908;

History of Art and Architecture 19, 193x, 196;



Medical Sciences 322;

Music 207r;

(Near Eastern Languages and Civilizations) Ethiopic A, 120ar, 120br, 300; Swahili A, 120br;

Social Studies 98aa, 98ca, 98cr;

Women's Studies 110c.

Afro-American Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Afro-American Studies

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

Olufemi A. Akinola, Fellow in the W.E.B. Du Bois Institute, Lecturer on Afro-American Studies

K. Anthony Appiah, Charles H. Carswell Professor of Afro-American Studies and of Philosophy
(*Director of Undergraduate Studies*)

Anne C. Bailey, Lecturer on Afro-American Studies, Fellow in the W E B DuBois Institute

Suzanne P. Blier, Professor of the History of Art and Architecture (*on leave 2000-01*)

Lawrence D. Bobo, Professor of Sociology and of Afro-American Studies

Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies

Isaac Julien, Visiting Lecturer on Afro-American Studies and on Visual and Environmental
Studies (*spring 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 (*on leave spring
term*)

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

Tommie Shelby, Assistant Professor of Afro-American Studies and of Social Studies

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

Cornel West, Alphonse Fletcher, Jr., University Professor and Professor of Afro-American
Studies (FAS) and Professor of the Philosophy of Religion (Divinity School) (*on leave 2000-01*)



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

Other Faculty Offering Instruction in Afro-American Studies

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave fall term*)

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

David Kellogg Lewis, Visiting Professor of Afro-American Studies and of History (*Rutgers University*)

Marcyliena Morgan, Visiting Associate Professor of Education (*University of California, Los Angeles*)

Orlando Patterson, John Cowles Professor of Sociology (*on leave 2000-01*)

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

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

K. Anthony Appiah

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

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

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

Catalog Number: 1269

K. Anthony Appiah and members of the Department

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

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

***Afro-American Studies 97a (formerly Afro-American Studies 11). Topics in Afro-American Literature and Culture**

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

Gwendolyn DuBois Shaw

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

Topic in 2000–01: Issues of Biography & African American Art History. This course takes as its subject several texts that have been published in the last ten years and privilege the life of the artist over the work of art. To better understand the role that biographical knowledge plays in the assessment of artistic production, participants will interrogate oppositional texts, examine the



work of Foucault and Barthes on issues of authorship, and discuss the importance of self-fashioning in artistic identity.

***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.

J. Lorand Matory

Half course (spring term). W., 1–3. First class meeting 2/2 at 1pm in William James Hall 301.

EXAM GROUP: 6, 7

Topic in 2000-01: West African Cultures. Introduces students to the history and cultures of West and West-Central Africa, which supplied the majority of the African captives taken to the Americas between the 16th and the 19th centuries. Yet these regions not only are foundational to numerous American cultures but also continue to engage the Americas in a mutually transformative dialogue over ethnic identities, gender relations, and religious devotion in the 20th century. Thus, special attention is given to the ancient and ongoing involvement of these regions in international politics and commerce.

Note: formerly Anthropology 147.

***Afro-American Studies 98 (formerly Afro-American Studies 98a). Tutorial**

Catalog Number: 6272

K. Anthony Appiah 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.

K. Anthony Appiah 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. Limited to 25.

Evelyn Brooks Higginbotham

Half course (fall 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 118. Africans, African-Americans and the Legacy of Slavery

Catalog Number: 7429

Anne C. Bailey

Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

What role did Africans play in the Atlantic Slave Trade? What was the process of cultural transfer to New World communities and how have historians and others assessed the continuities between African and African-American cultures? These and other questions will bring to the forefront the central issue of African and African-American agency. Of equal importance will be discussion of the artistic, spiritual and material contributions of African American slaves as co-creators of New World institutions. Books include important works in both history and literature: Walter Rodney, Henry Louis Gates Jr., and *Classic Slave Narratives* to name just a few.

Note: Required of concentrators.

[Afro-American Studies 120. African-American Religious History]

Catalog Number: 2574

Evelyn Brooks Higginbotham

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

Surveys the history of African-American religious institutions and beliefs from slavery to the present. Positions the diversity of African-American religious expression within the larger context of black social and political life. Topics include the transmission of African culture to the New World, religion under slavery, independent black churches, race relations, foreign missions, black nationalism, gender and class, and reform resistance.

Note: Expected to be given in 2001–02. Offered as Divinity 2370.

[Afro-American Studies 123. Race, Nation, and Democracy]

Catalog Number: 2596

Cornel West and Roberto Mangabeira Unger (Law School)

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

Studies the relationship between the promotion of group rights and identities and the advancement of democratic experimentalism in social life. Addresses these issues in two settings: 1) the American experience and debate about racism and its relation to class divisions, and 2) the worldwide resurgence of nationalism and the role of the nation-state as an instrument for the expression either of actual national differences or of the will to develop such differences. Explores the consequences of democratic experimentalism and of the efforts of minority groups to establish a generalized politics and law of group identities and rights.

Note: Expected to be given in 2001–02.

Afro-American Studies 123z. American Democracy

Catalog Number: 2354

Roberto Mangabeira Unger (Law School)

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

Considers, in an American setting, the contemporary meaning of the democratic idea, the relation of democratic government to the market economy as well as to the class, gender and racial divisions of society, and the alternative institutional futures of democracy. Two focal points for the argument of the course are: 1) the exploration of possible, more democratizing arrangements for the organization of government, the economy, and civil society, and 2) the changes in



consciousness, culture, and education needed to sustain such arrangements. Seeing American problems and possibilities as variations on worldwide themes, the course asks what it would mean to sacrifice American “exceptionalism” to American experimentalism.

Note: Additional discussion hour scheduled weekly. Offered jointly with the Law School as 30500-11.

Afro-American Studies 124. Constructions of Identity

Catalog Number: 3341

K. Anthony Appiah

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

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

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

Catalog Number: 4852

K. Anthony Appiah

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

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

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

Catalog Number: 3822

K. Anthony Appiah

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 7898 Enrollment: Limited to 25.

Tommie Shelby

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

Critically examines recent philosophical work on the themes of “race” and racism. Topics for



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

Afro-American Studies 127. Marxist Theories of Racism

Catalog Number: 3133 Enrollment: Limited to 25.

Tommie Shelby

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

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

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

Catalog Number: 2589

Werner Sollors

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

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

[Afro-American Studies 132. Afro-American Literature from the 1920s to the Present]

Catalog Number: 3710

Werner Sollors

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

Close readings of major 20th-century writers in the context of cultural history. (I) From the Harlem Renaissance to the Federal Writers’ Project: Locke, Toomer, McKay, Fauset, Schuyler, Hughes, Hurston, Wright. (II) From World War II to the present: Ellison, Petry, Baldwin, Hansberry, Jones/Baraka, Morrison, Reed, Johnson, Lee, Dove.

Note: Expected to be given in 2001–02.

[*Afro-American Studies 132z. Domestic Life in Literature: Seminar]

Catalog Number: 4074

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

Compares the portrayal of life at home in the literature of writers from the “Metropole” (center of activity) and the writers from the “outlying” areas. Readings from the works of Merle Hodge, Myriam Warner-Vieyra, Jean Rhys, Maria Luisa Bombal, George Eliot, Colette, Charlotte Brönte, Virginia Woolf, and others.

Note: Expected to be given in 2001–02.



[Afro-American Studies 134. The Literature of Possession: Seminar]

Catalog Number: 4105

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

Through literary accounts of historical events, the part that imagination played in the relationship between the possessor and possessions as Europeans “took possession” of the New World will be explored. Readings from the works of Christopher Columbus, Meriwether Lewis and William Clarke, Bernal Diaz, C.L.R. James, George Lamming, Marco Polo, V.S. Naipaul, and Salman Rushdie.

Note: Expected to be given in 2001–02.

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 2001–02.

[*Afro-American Studies 135. The Thought of W.E.B. Du Bois: Seminar]

Catalog Number: 5092

Cornel West

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

Examines the key texts of one of the towering African-American intellectuals of the 20th century. Analyzes the classic works of W.E.B. Du Bois as well as reconstructs the varying contexts of these works.

Note: Expected to be given in 2001–02.

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

Catalog Number: 2175

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

Examines the major works—fiction and non-fiction—of these two towering figures. We shall



explore their conceptions of what it means to be human, modern, American, and Black.

Note: Expected to be given in 2001–02.

[Afro-American Studies 137y. The African-American Literary Tradition]

Catalog Number: 1820

Henry Louis Gates, Jr.

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

Considers autobiography within the African American literary tradition from the slave narratives of Phillis Wheatley and Frederick Douglass to contemporary narratives written by Nathan McCall, Brent Staples, and Stephen Carter.

Note: Expected to be given in 2001–02.

[*Afro-American Studies 137z (formerly English 90ut). Black Women and Their Fiction]

Catalog Number: 5145

Henry Louis Gates, Jr.

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

Intends to define the precise shape and contours of the tradition of black women's writing in English. How do black women use language to represent their experiences? How does their writing resemble or diverge from the black male tradition? How does black feminist theory differ from white feminist theory?

Note: Expected to be given in 2001–02.

[Afro-American Studies 138. Richard Wright and Zora Neale Hurston: Seminar]

Catalog Number: 6227

Werner Sollors

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

Investigates the development of Wright's sociological and Hurston's anthropological imagination, with special emphasis on gender, politics, and literary form. Readings include most published and some unpublished writings, against the background of criticism.

Note: Expected to be given in 2001–02.

[Afro-American Studies 138z. Interracial Literature]

Catalog Number: 0164

Werner Sollors

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

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

Note: Expected to be given in 2001–02.

Afro-American Studies 139. Black Travel Writing

Catalog Number: 4744 Enrollment: Limited to 40.

Naomi Pabst



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

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

[Afro-American Studies 140. Syncretism: Seminar]

Catalog Number: 3988

J. Lorand Matory

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

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

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3827.

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

Catalog Number: 0300

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

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

Note: Expected to be given in 2001–02.

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

Catalog Number: 3336

J. Lorand Matory

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

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

Note: Expected to be given in 2001–02. Offered jointly with Divinity School as 3692.


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

Catalog Number: 9321

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

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

Afro-American Studies 151. Politics and Society in Contemporary Africa

Catalog Number: 2564

Olufemi A. Akinola
Full course. Th., 1–3. EXAM GROUP: 15, 16

This course explores the dynamics of inheritance and choice in post-colonial Africa's changing political arenas. The course focuses on different approaches to autochthony (or institutional hybridity) since c. 1945, using fictional and non-fictional material. Also to be explored are some implications of both forms for constructions of identity, progress and change in Africa and among its Diasporas.

Note: This course is to be offered over two semesters to allow in-depth discussion of historical continuities and change potential on various levels. A part informal-conversational and part Socratic method of teaching/pedagogy is to be adopted. To facilitate discussion in class, readings and supplementary material- video clips, documentaries, feature articles, official reports, guest presentations, etc., are to be made available ahead of meetings, as applicable. Student-led seminars are to be encouraged, as are essays and term papers. A written examination is not anticipated.

[Afro-American Studies 165. Art and Colonialism]

Catalog Number: 4300 Enrollment: Limited to 12. Limited to 12.

Suzanne P. Blier
Half course (spring term). Hours to be arranged.

The role of colonialism in the definition, delimitation, discourse about art is examined in this course. The principal focus will be on art and colonial experience outside the West with respect to European or American presence. Among the topics raised are the following: the colonial experience and its "trace;" perceptions of the other; research methodologies and marginalization; the politics of collecting, museums, and exhibits; fantasy and the photographic record, the other Other; issues of gender; tourism and the role of foreign markets; native portrayals of the European other; primitivism and modern art.

Note: Expected to be given in 2001–02.

[Afro-American Studies 165y. African Women in Art and History]

Catalog Number: 2301 Enrollment: Limited to 12.

Suzanne P. Blier
Half course (fall term). Hours to be arranged.



Looks at the issues of gender identity, power, and display through the lens of key traditions of African art. Women as subjects, patrons, artists, and critics will also be explored in a range of contexts. Female/male aesthetics, male personification of females in masquerades, the prominence of androgyny in African art, “mother gods,” art in contexts of gender socialization, women on local governance, women in colonial discourse, and women on the move, are other issues which will be examined.

Note: Expected to be given in 2001–02. Meets at the Sackler Museum.

[Afro-American Studies 165z. Art of the African Diaspora: Seminar]

Catalog Number: 4873

Suzanne P. Blier

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

Explores seminal issues in the arts of the African Diaspora, looking at a range of African-American Visual traditions in the Americas. Both historic and contemporary issues and forms will be examined in relationship to important traditions of sculpture, painting, dance, architecture, and performance art. Artists discussed will range from Edward Bannister, Edmonia Lewis, and Henry O. Tanner, to Jacob Lawrence, Romare Bearden and Charles White to Mel Edwards, Faith Ringgold, Fred Wilson, and Ike Ude. Carnival performances, Santeria traditions, Vodou ritual forms, and other “popular” or vernacular idioms will be treated as well.

Note: Expected to be given in 2001–02.

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

Catalog Number: 4829 Enrollment: Limited to 25.

Gwendolyn DuBois Shaw

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

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: Course convenes in Sackler 406.

[Afro-American Studies 187y. Black Cinema as Genre—From Blaxploitation to Quentin Tarantino]

Catalog Number: 9338

Isaac Julien

Half course (spring term). .

Looks at the history of African-American Cinema (from Oscar Micheaux to Spike Lee) and focuses on the use of stereotypes and hyperbole in some of its post-war popular genres including blaxploitation (Melvin van Peebles). Discussions will focus on issues of sexism and homophobia as well as the way space, time, and the city figure in these cinemas. Topics include: representation of gender in Dash’s *Illusions* and Lee’s *Girl 6*; the role of Pam Grier in blaxploitation films; the “soul film” genre (*Superfly*) and black independent cinema (*Ganja and Hess*); the construction of black masculinity in *Boyz ‘n the Hood* and gangsta-rap themed *noir* films; and the appropriation of black cinema by other film-makers and genres such as the *aesthetic du cool* of Quentin Tarantino.

Note: Expected to be given in 2001–02. Previous background in cultural theory and/or film theory recommended but not required.



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

Catalog Number: 0897

Evelyn Brooks Higginbotham

Half course (spring term). Tu., 2–4.

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

***Afro-American Studies 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). W., 3–5. EXAM GROUP: 8, 9

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: Offered jointly with the Kennedy School as HLE-209. Students must attend the first meeting of the class to enroll.

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

Catalog Number: 5210

Lawrence D. Bobo

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

Examines the changing status of African-Americans in the post-civil rights era from a variety of social science perspectives. The focus is on major scholarly assessments of the status of Blacks. Among the focal points of inquiry will be: race-based economic inequality; processes of racial residential segregation; and racial prejudice and bias in politics and everyday interaction. Although focused on contemporary issues and research, the course draws on foundational approaches developed by Du Bois, Johnson, and Drake and Cayton in their pioneering assessments of the status of Blacks.

***Afro-American Studies 197. Race, Class and Poverty in Urban America: Seminar**

Catalog Number: 7265 Enrollment: Limited to 30.

William Julius Wilson (Kennedy School)

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

Presents a social/historical analysis of the changing nature of urban inequality. Topics include the making of the inner-city ghetto; the new urban poverty; race and class conflict in urban America; and race, poverty, and public policy.

Note: Offered jointly with the Kennedy School as HLE-206. Meets at the Kennedy School. Students must attend the first meeting of the class to enroll—check Kennedy School calendar for date.

Cross-listed Courses



Afro-American Studies 124. Constructions of Identity
Anthropology 110. Introduction to Social Anthropology
[Anthropology 139. Power, Knowledge, and People in Sub-Saharan Africa]
Economics 1357. Historical Perspectives on American Economic Ascendancy
[Economics 1800. The Economics of Cities]
Economics 1812. Operation of the Labor Market
Economics 1815 (formerly Economics 1015). Social Problems of the American Economy
***English 90cf. Caribbean Fictions**
***English 90sf. Southern Folklore and Southern Literature**
[*English 90vl (formerly *English 276x). African-American Literary Tradition]
English 167p. Postcolonial Narratives
[*English 273h. Harlem Renaissance]
Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance as a Medium of Cultural and Personal Meaning
[Folklore and Mythology 115. The African Oral Tradition]
Government 90ka. Rethinking the Welfare State
[Government 90km. The Political Economy of Africa]
Government 90we. Law and Politics of Affirmative Action
Government 1070. Theories of Rights
Government 1577. Minority Politics in the United States.
[*Government 2175. Comparative Politics of the Welfare State]
Government 2577. Identity: Ethnicity, Nationalism and Race
Historical Study B-52. Slavery and Slave Trade in Africa and the Americas
History 1660. Using Primary Sources in African-American History: Conference Course
History 1912. Health, Disease and Ecology in African History: Conference Course
[History 1952. Comparative Colonialism: Conference Course]
History 2661. Graduate Readings in 20th-Century African-American History
[History of Art and Architecture 19. Image, Icon, and Identity: Introduction to the Art of Africa]
History of Art and Architecture 19x. Introduction to African American Art History
History of Art and Architecture 293. Ideologies of Race and American Visual Culture
[Literature and Arts B-27. Majesty and Mythology in African Art]
[Moral Reasoning 58. Slavery in Western Political Thought]
[Psychology 1505. Intergroup Relations]
[Social Analysis 38. Social Stratification]
[Social Analysis 52. Growth and Development in Historical Perspective]
[Sociology 60. Race and Ethnic Relations]
[Sociology 135. The Caribbean Experience in America]
[*Sociology 183. Prejudice, Politics, and Society: Conference Course]
[Sociology 184a. The Origins of Freedom]
[Sociology 184b. Freedom and Society in the Modern World]
[*Sociology 188. Lines that Divide: Race, Class, Gender, and Ethnicity in the Ethnographic Tradition: Conference Course]
[*Sociology 189. Culture and Race in the Development of American Society: Conference Course]



**[*Sociology 221. Immigration, Identity and Assimilation: Seminar]
Women's Studies 137. Black Women's Representation: The Post-Civil Rights Generation**

Anthropology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Anthropology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology (*Chair*)

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

John C. Barry, Lecturer on Anthropology

Steven C. Caton, Professor of Contemporary Arab Studies

Elizabeth S. Chilton, (*on leave fall term*)

Jennifer Cole, Assistant Professor of Anthropology (*on leave 2000-01*)

Irven DeVore, Ruth Moore Research Professor of Biological Anthropology

Peter T. Ellison, Harvard College Professor and Professor of Anthropology

John P. Gerry, Allston Burr Senior Tutor in Quincy House, Assistant Dean of the Faculty of Arts and Sciences, Associate of the Department of Anthropology

Michael Herzfeld, Professor of Anthropology

Engseng Ho, Assistant Professor of Anthropology and of Social Studies

James H. Jones

Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and Sciences (*on leave 2000-01*)

Cheryl D. Knott, Assistant Professor of Anthropology

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology

Yun Kuen Lee, Assistant Professor of Anthropology (*on leave fall term*)

Mark Leighton, Lecturer on Anthropology

Susan F. Lipson, Lecturer on Anthropology

Carole A. Mandryk, Associate Professor of Anthropology

Frank W. Marlowe, Assistant Professor of Anthropology (*on leave fall term*)

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

David H. P. Maybury-Lewis, Edward C. Henderson Professor of Anthropology (*on leave spring term*)

Castle McLaughlin, Lecturer on Anthropology

Richard H. Meadow, Senior Lecturer on Anthropology (*on leave spring term*)



Ok-pyo Moon, Edwin O. Reischauer Visiting Professor of Anthropology
Sally F. Moore, Victor S. Thomas Research Professor of Anthropology
Pauline E. Peters, Lecturer on Anthropology
David Pilbeam, Henry Ford II Professor of the Social Sciences (*Head Tutor*)
Barry V. Rolett, Visiting Associate Professor of Anthropology
Maryellen Ruvolo, Professor of Anthropology (*on leave fall term*)
Lawrence E. Stager, Dorot Professor of the Archaeology of Israel (*on leave spring term*)
Mary M. Steedly, Professor of Anthropology (*on leave fall term*)
David S. Stuart, Senior Lecturer on Anthropology
Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology
Kay B. Warren, Professor of Anthropology
James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society
Rubie S. Watson, Senior Lecturer on Anthropology, Howells Director of the Peabody Museum of Archaeology and Ethnology
Richard W. Wrangham, Ruth Moore Professor of Biological Anthropology (*on leave spring term*)
Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies (*on leave spring term*)

Other Faculty Offering Instruction in Anthropology

Byron J. Good, Professor of Medical Anthropology (*Medical School*)

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

David Pilbeam and members of the Department

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

David Pilbeam and members of the Department

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

Special study of selected Peabody Museum collections and/or archives, given on an individual basis, and directly supervised by a member of the faculty and a member of the Collections Management Staff. Will require a specific project involving a Museum collection, developed in



consultation with the supervisors. Must be taken for a letter grade. Priority given to students in Anthropology and related departments. To enroll, a student *must submit a petition form* (available from the Undergraduate Office, William James 452), signed by both supervisors, as well as a proposed research agenda, during the term preceding the anticipated term of enrollment.

Note: Information sheets with Museum contacts available in William James 452.

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

Catalog Number: 0400

David Pilbeam and members of the Department

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

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

David Pilbeam and members of the Department

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

J. Lorand Matony and members of the Department

Half course (spring term). Th., 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

David Pilbeam and members of the Department

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

David Pilbeam and members of the Department

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

David Pilbeam and members of the Department

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

David Pilbeam and members of the Department

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

David Pilbeam and members of the Department

Full course. Hours to be arranged.

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

Cross-listed Courses

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



[**Afro-American Studies 140. Syncretism: Seminar**]
 [**Afro-American Studies 140z. The Other African Americans**]
 [**Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions**]
Ancient Near East 105. History of the Ancient Near East: The Levant (up to Alexander the Great)
Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)
 [**Ancient Near East 117. Biblical Archaeology**]
 [**Ancient Near East 118. Syro-Palestinian Pottery**]
***Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar**
[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
Science B-27. Human Evolution
Science B-29. Human Behavioral Biology
[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
[Women's Studies 110c. Gender and Work]
[Women's Studies 132. Shop 'Til You Drop: Gender and Class in Consumer Society]

For Undergraduates and Graduates

Anthropology 100. Rediscovering Past Societies: A Survey of World Prehistory

Catalog Number: 7182

Michael O. Sugerman

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

This course is a survey of human societies of the prehistoric world, from the origins of humanity millions of years ago to the rise and fall of the first civilizations. We will discuss current archaeological reconstructions of prehistory, as well as the methods that are used to form these interpretations. Topics include human evolution, the peopling of the New World, the origins of agriculture, and the ancient civilizations (e.g., the ancient Egyptians, the mound-building peoples of North America, and the ancient Maya). Laboratory sections will give students the opportunity to examine and handle archaeological collections from the Peabody Museum.

Note: Open to freshmen.

Anthropology 101. Introduction to Archaeology

Catalog Number: 8727

Carole A. Mandryk

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

This course is concerned with the actual practice of archaeology: How do archaeologists know where to dig? Why do we dig square holes? How do we analyze and understand what we find? These questions and others are discussed in a lecture/lab format that provides an overview of field, laboratory, and interpretive methodology. Among the topics covered are research design,



site survey, mapping, sampling excavation strategy, stratigraphy, chronology, artifact classification and data processing. Archaeological method and theory are fully integrated in this course. Peabody Museum collections are used to provide hands-on experience with various methods of analysis.

Prerequisite: Anthropology 100 suggested but not required.

[*Anthropology 103. Genes and Human Diversity]

Catalog Number: 1841

Maryellen Ruvolo

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

An introduction to human evolution using genetic evidence. Includes fundamentals of population genetics, genetic diversity of living humans, origins of modern *Homo sapiens*, genetic reconstructions of human history, and correspondences with linguistic evidence.

Note: Expected to be given in 2001–02.

[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. Though different approaches to this kind of study will be surveyed, an ethnographic one will be emphasized. A comprehensive overview of linguistic theories of structuralism and their criticism will form the basis on which to proceed to this ethnographic approach. Topics will include: the structuralisms of Ferdinand de Saussure, Roman Jakobson, and Edward Sapir; the Sapir-Whorf Relativity Hypothesis and its modern evocations; speech indexicality and pragmatics; performativity; Bakhtinian dialogicality; and poetry and poetics.

Note: Expected to be given in 2001–02. No previous knowledge of linguistics or of anthropology is required. Graduate section optional.

Anthropology 105. Food and Culture

Catalog Number: 0206

James L. Watson

Half course (spring term). Tu., Th., at 10.

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 exchanges and social boundaries, food symbolism and medical systems, sacrifice and communion rites, the social construction of food, and the world standardization of food preferences. Examples are drawn from China, India, Latin America, Africa, Europe, the Pacific, and the United States.

[Anthropology 106. Primate Social Behavior]

Catalog Number: 4332

Richard W. Wrangham

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

A review of the behavioral interactions in natural primate populations, drawing on experimental, observational, and theoretical studies. Discussion of ecological, physiological, and



developmental bases of primate social behavior, with special attention to the evolution of patterns of behavioral interactions among individuals of different age, sex, relatedness, and status. Topics include sexual conflict, sexual selection, and mating systems; care of offspring and other aid-giving; manipulative and cooperative aspects of communication; competition, dominance, and territoriality; and the evolution of social relationships.

Note: Expected to be given in 2001–02.

Prerequisite: Introductory biology or Science B-29.

Anthropology 110. Introduction to Social Anthropology

Catalog Number: 8296

Engseng Ho

Half course (fall term; repeated spring term). Fall: M., W., F., at 2; Spring: M., W., at 1, F., 1–3.

EXAM GROUP: Fall: 7; Spring: 6, 7

An introductory exploration of anthropological approaches to society, culture, language, and history. Lectures, readings, and recent ethnographic films give an in-depth look at social and cultural diversity. Students are given the opportunity to grapple with the intellectual and ethical challenges that confront all anthropologists in making sense of human difference, experience, and complexity. From year to year, this basic course may be taught by different instructors, all of whom bring insights from their own ethnographic fieldwork in other societies and share their theoretical expertise in examining a wide range of topics, including kinship, social and political hierarchy, exchange, subsistence patterns, gender, language, ideology, religion, and global political economic systems.

Note: Open to freshmen.

Anthropology 111. Behavioral and Reproductive Endocrinology

Catalog Number: 2265

Peter T. Ellison

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

An introduction to the interaction between the endocrine system and behavior, stressing primates and humans. General principles of the functioning of the endocrine system are presented first, including a survey of major hormonal axes affecting or responding to behavior, hormone production, receptor interactions and signal transduction, and feedback regulation. Subsequent topics include the relationship of the endocrine system to feeding and foraging behavior, learning and memory, acute stress, dominance interactions, and sexual behavior.

Note: This course is a prerequisite for Anthropology 118.

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

Anthropology 113. The Evolution of Human Diet: Research Seminar

Catalog Number: 2088 Enrollment: Limited to 12.

David Pilbeam

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

An exploration of hominid dietary adaptations and subsistence transitions over the last 5–7 million years. Building upon a nutritional, physiological and ecological framework, students will explore such topics as: the nature of australopithecine diets, the role of hunting and carnivory in early human evolution, the influence of stone tool technology on dietary composition, the



importance of cooking to the hominid way of life, and the nutritional impact of agriculture on modern human populations. Students will conduct an original research project on some aspect of paleodietary inquiry. Projects may involve laboratory analyses such as: nutritional or stable isotopic chemistry; osteological, dental, or paleopathological evaluation; and physiological or metabolic measurements.

[Anthropology 115. Primate Evolutionary Ecology]

Catalog Number: 0571

Mark Leighton

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

A survey of interactions between primates and their environments in an evolutionary context. Lectures discuss the influence of competition, predation, and other ecological processes on primate morphological and behavioral adaptations, population distribution and abundance, and coevolutionary relationships with other species in the community. Interspecific comparisons are developed by empirical and theoretical treatment of food resources and feeding patterns, ranging and intergroup spacing, mating systems and sociality, and community structure and niche relationships. Laboratory and field exercises teach some methods of ecological investigation using local vertebrates.

Note: Expected to be given in 2001–02.

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

***Anthropology 116. Human Population Biology: Research Seminar**

Catalog Number: 0729 Enrollment: Limited to 10.

James H. Jones

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

An introduction to evolutionary demography and life history theory and their application to the study of human populations. Students will have the opportunity to develop pilot research projects. Topics to be covered include: demographic transitions; family formation and dissolution; risk-taking and time preference; population biology; infectious diseases.

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

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

Susan F. Lipson

Half course (spring term). M., W., at 1 with laboratory either M. or W. 2-5. EXAM GROUP: 6

An introduction to laboratory techniques and research design in behavioral endocrinology.

Students develop and conduct pilot research projects.

Note: Fulfills research seminar requirement for anthropology concentrators.

Prerequisite: Anthropology 111.

Anthropology 119. Evolutionary Ecology of Environmental Management

Catalog Number: 1877

Mark Leighton

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

Examination of evolutionary models of cooperation and collective action, applied to the global environmental problems requiring solutions during the 21st century. Topics include human



warfare and competition for resources, conservation ecology, natural resource management, climate change and human population problems. Lectures will be supplemented by discussions and debates to foster critical analysis of arguments regarding human collective action and public policy.

Anthropology 120. Anthropology, Cultural Studies, and Film

Catalog Number: 1522

Steven C. Caton

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

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. In addition to the lecture/discussion there is a two-hour lab that will meet once a week to view films and will be scheduled at a time mutually convenient for everyone.

Note: Open to non-majors. Graduate students may enroll and make arrangements for specialized readings and assignments.

Anthropology 122. Japanese Culture and Society

Catalog Number: 6564

Ok-pyo Moon

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

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: 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 (spring 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 2001–02.

Anthropology 124. Quantitative Methods for Biological Anthropology

Catalog Number: 6044

James H. Jones

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

An introduction to the practical issues of quantitative data analysis faced by anthropologists employing the scientific method. Topics to be covered include: fundamentals of probability; descriptive statistics; hypothesis testing; phylogenetic methods; and simulation. Examples are drawn from paleoanthropology, primate behavior, human ecology, and genetics.

[Anthropology 125. Primate and Human Nutrition: Research Seminar]

Catalog Number: 7064 Enrollment: Limited to 6. Limited to 6. Preference given to anthropology undergraduates.

Cheryl D. Knott

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

An introduction to laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior.

Note: Expected to be given in 2001–02.

[Anthropology 126. Self and Emotion in Society]

Catalog Number: 9439

Jennifer Cole

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

This seminar provides a basic introduction to the key concepts in psychological anthropology. We will explore the interconnections and construction of self and society in a variety of different situations and historical contexts. Topics covered include the cultural construction of emotion, how we should conceptualize the self and how it is constructed in different contexts, how culture can both hurt and heal individuals, and individual and collective responses to violence.

Note: Expected to be given in 2002–03.

Prerequisite: Introduction to anthropology or permission of the instructor.

Anthropology 127. Social Approaches in Archaeology

Catalog Number: 4191

Yun Kuen Lee

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

This course surveys the use of archaeological data for the reconstruction of past socio-cultural organizations. One of the most important questions in archaeology is how people of the past related to each other. All societies comprise multi-faceted social, economic, and political organizations regulated by kinship, gender, ethnicity, interest, etc. The complex interaction of these groups is the dynamic force of societies. We are going to monitor the operation of these past organizations in relation to their levels of complexity, as well as their specific ecological, economic and historical contexts.

Note: Expected to be omitted in 2001–02. Given in alternate years.



Anthropology 128. Korean Culture and Society

Catalog Number: 1176

Kwang-Soo Kim

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

Course examines contemporary Korean culture and society, focusing on local-level studies of everyday life. Subjects covered vary depending upon recent research by anthropologists and other scholars who have worked in South Korea and North Korea. This year's topics may include: changing family organization; gender construction and attitudes toward women; kinship systems (clans and lineages); agricultural and industrial development; "Yangbanization" and class relations; religious organization (shamanism vs. Christianity); ritual life and ancestor worship; globalism and popular culture; North Korean "official" culture; responses to Western "cultural imperialism"; and the legacy of colonialism in modern Korean society.

[Anthropology 129. Evolutionary Ecology: Research Seminar]

Catalog Number: 3755 Enrollment: Limited to 12. Preference given to anthropology undergraduates.

Richard W. Wrangham

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

An introduction to analytical issues in evolutionary ecology, focused on primates including humans. Students have the opportunity to develop and conduct pilot research projects. Empirical research is accompanied by a critical reading and discussion of papers on such topics as foraging theory, nutritional ecology, social evolution, and community ecology.

Note: Expected to be given in 2001–02. Fulfills the research seminar requirement for Anthropology concentrators.

Prerequisite: Science B-29 or Biology 22 or permission of instructor.

Anthropology 130. Peasants, Indians, and Activists in Latin America: Seminar

Catalog Number: 4510

Rodolfo Stavenhagen

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

In this seminar, we will look at recent peasant-based and indigenous social movements in several Latin American countries (Mexico, Guatemala, Peru, Ecuador, Chile, and Brazil, among others), within the framework of different theoretical approaches to social change, modernization, and democratization.

Anthropology 135. The Archaeology of the American Southwest.

Catalog Number: 8755

Steven A. LeBlanc

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

Considers the prehistory of the American Southwest from PaleoIndian times to European contact. Topics include the adoption of agriculture, the development and then collapse of social complexity, and how and why regional differences appeared. A basic familiarity with the artifacts—pottery, stone tools, etc.—will be developed, as well as a working knowledge of the major sites in the region, such as Mesa Verde, Chaco Canyon, and Casas Grandes. We will read selected early ethnographic accounts of the people of the region so that we can consider the



relationship of the prehistoric people to modern indigenous populations.

Note: Open to Upper Division and Grad Students

Anthropology 137. Human Behavioral Ecology

Catalog Number: 6675

Frank W. Marlowe

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

The behavioral ecology of humans is examined cross-culturally, and in relation to other species. Topics include life history theory, mode of subsistence, parental care, sexual selection, marriage, cooperation, inter-group conflict, and cultural evolution.

Anthropology 138. The Behavioral Biology of Women

Catalog Number: 8721

Cheryl D. Knott

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

An exploration of female behavior from an evolutionary and biosocial perspective. Focuses on physiological, ecological, and social aspects of women's development from puberty, through reproductive processes such as pregnancy, birth, lactation, to menopause and aging. Also explores female life history strategies in a variety of cultural settings. Topics include cognitive and behavioral differences between men and women; violence against and by women; and women's reproductive health choices. Examples are drawn primarily from traditional and modern human societies; data from studies of nonhuman primates are also considered.

[Anthropology 139. Power, Knowledge, and People in Sub-Saharan Africa]

Catalog Number: 9171

Jennifer Cole

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

Course surveys a variety of African cultures South of the Sahara emphasizing African agency and resistance, social change, and historical and contemporary relationships among African peoples and between them and the rest of the world. Topics include tribalism and ethnicity, hunter-gatherers, gender and women's roles, and the role of ancestors and spirits in fashioning African modernities. Course materials include ethnographies, novels, and films.

Note: Expected to be given in 2001–02.

[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 2001–02.



[Anthropology 141. Society and History in Island Southeast Asia]

Catalog Number: 7487

Mary M. Steedly

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

Focuses on insular Southeast Asia, examining the micropolitics of everyday life as shaped by the interplay of state and local systems of allegiance and authority. The first part of the course moves historically from the emergence of early maritime trading states through colonial incorporation and post–World War II independence movements. Part two explores contemporary social life in the postcolonial nation-state.

Note: Expected to be given in 2001–02.

[Anthropology 144. The Archaeology of Ancient China]

Catalog Number: 4731

Yun Kuen Lee

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

Ancient China offers unique opportunities for the study of cultural and social evolution. It presents a long and uninterrupted continuum of development from the appearance of early humanity to the rise of a complex civilization. In addition, we have at our disposal an extensive body of archaeological data and textual material that are seldom available together in the other parts of the world. This course investigates the archaeology of ancient China from an anthropological perspective. Particular attention will be paid to how human groups adapted to natural and social environments.

Note: Expected to be given in 2001–02.

[Anthropology 151. North American Prehistory]

Catalog Number: 1421

Carole A. Mandryk

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

An introduction to the archaeology and cultural developments of North America north of Mexico, from first settlement to the arrival of Europeans. Focuses on human adaptation and interaction with the environment, subsistence, settlement patterns, technology, gender and ideology. Reviews major theoretical transformations in North American archaeology; explores some of the major methodological and theoretical problems of selected areas and time periods; examines the archaeological record in specific regions; and examines general trends in cultural evolution on a continental scale.

Note: Expected to be given in 2001–02.

Anthropology 152. Mesopotamia — Egypt — The Indus Valley

Catalog Number: 8398

C. C. Lamberg-Karlovsky

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

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.



[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 (containing some of the oldest examples of 18th- and 19th-century Native American, Pacific Island, and African artifacts and art), students will consider the different ways in which material culture is collected, housed, and exhibited. Readings and discussions will include issues of art/artifact distinctions, ownership and display, history of collecting and display in anthropology. Students will be asked to work with objects in the Peabody Museum's collections and archival documentation.

Note: Expected to be given in 2001–02.

[*Anthropology 163. Molecular Evolution of the Primates]

Catalog Number: 3359

Maryellen Ruvolo

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

Introduction to the primates, emphasizing their molecular phylogenetic relationships and the forces that mold their genomes. Topics include the neutral theory of molecular evolution, molecular clock concept and its applications, evolution of multigene families, relationships between primate morphological and molecular evolution, molecular convergences, evidence for horizontal gene transfer in primate genomes, and evolution of simian and human immunodeficiency viruses.

Note: Expected to be given in 2001–02.

Prerequisite: Anthropology 103.

Anthropology 164. Pacific Island Archaeology

Catalog Number: 9153

Barry V. Rolett

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

This course is an introduction to archaeological research in Oceania, a region including the islands of Polynesia, Melanesia, and Micronesia. The early exploration of this oceanic world, and the ability of Pacific Islanders to survive and flourish on remote, environmentally diverse landforms, represents a remarkable achievement in the history of humanity. We will examine evidence for systematic long-distance voyaging, the human colonization of previously uninhabited landscapes, and the independent evolution of cultures descendant from a common ancestral heritage. Museum visits will introduce students to outstanding collections of Oceanic artifacts dating to early voyages from New England to the South Seas.

Note: The course is open to both undergraduate and graduate students.

Anthropology 165. Environmental Archaeology

Catalog Number: 5954

Barry V. Rolett

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

Cultural change is inextricably linked to transformation of the environment. We will examine the dynamic nature of this relationship from a long-term, archaeological perspective. Our topics



include the development of cultural landscapes, the origins of domesticated species, cultural adaptation on islands, and the human role in extinctions. Course readings include case studies focusing on Polynesia and the Mediterranean, and works illustrating the successful use of an interdisciplinary research design.

Note: This course is open to both undergraduate and graduate students.

Anthropology 166. Archaeological Science

Catalog Number: 2013

Carole A. Mandryk

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

Pressing issues in archaeology as an anthropological science. Stresses the natural science and engineering methods archaeologists use to tackle them. Reconstructing time, space, and human ecologies provides one focus; materials technologies that transform natural materials to material culture provide another. Topics include ¹⁴C dating, ice core and palynological analysis, stable isotope chemistry of palaeodietary foodwebs, soil micromorphology and site formation, Pb isotope sourcing of metal artifacts, and microstructural and mechanical analyses of cementitious materials used in ancient monumental buildings.

Note: Meets at MIT. Call 253-1375 for more information.

Prerequisite: One year of college-level chemistry or physics.

***Anthropology 168. Anthropology at Home: Doing Fieldwork in Familiar Places**

Catalog Number: 2145 Enrollment: Undergraduates only.

Mary M. Steedly

Half course (spring 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? Intended primarily for (but not limited to) juniors preparing to do thesis fieldwork, this course explores the problems of and prospects for doing fieldwork in familiar places. The final project will be a plan of research for a summer project or other similar undertaking.

[Anthropology 184. Ethnicity in the Americas: The Indian Question]

Catalog Number: 6872

David H. P. Maybury-Lewis

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

Discusses, from the point of view of political anthropology, the historical developments and regional circumstances that have influenced relations between indigenous peoples and others in the Americas. Considers indigenous efforts to resist assimilation and contemporary indigenous struggles for limited autonomy in Mexico, Peru, Brazil, and the United States. Concludes by showing how these issues are affected by the national agenda of American states and how the indigenous experience in the Americas relates to the problems and prospects of multiethnic societies worldwide.

Note: Expected to be given in 2001–02.



[Anthropology 185. Archaeological Recording, Illustration, and Publication]

Catalog Number: 7266

William L. Fash

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

The archaeological record should be well represented in the published record, not just through verbal description and insightful analysis, but by thorough, informative, well-conceived, and well-printed illustrations. This course enables students to gain substantive knowledge and practical experience in various classes of recording and illustration necessary for the preparation of first-rate archaeological publications. Topics covered include computer mapping, cartography more broadly, photography, artifact illustration, and publication design and priorities. Substantial laboratory time is vital to the successful completion of the course requirements.

Note: Expected to be given in 2001–02.

[Anthropology 186. Ceramics and Exchange in Mesoamerica]

Catalog Number: 3047

William L. Fash

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

Exchange systems in pre-Hispanic Mesoamerica were inextricably linked with the evolution of complex society on the local level, and the development of larger sociopolitical units for the cultural area as a whole. We will examine how Mesoamerican ceramics have been collected and analyzed to address issues of exchange, both within and between regions, from the Early Preclassic to the present day. The course will include analysis of some of the Peabody Museum collections from various parts of ancient Mesoamerica.

Note: Expected to be given in 2001–02.

[Anthropology 190. Quantitative Methods In Anthropology]

Catalog Number: 3491

Yun Kuen Lee

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

Examines the application of quantitative methods in Anthropology. Emphasizes the understanding of statistical inferences from intuitive reasoning and getting meaningful answers to anthropological problems. Weekly exercises are designed to give students hands-on experience on the application of quantitative methods in Anthropology by using packaged statistical programs on the computer. Students will have the chance to experiment systematically with data in order to estimate probabilities and make statistical inferences, to extract data structures by using univariate and bivariate methods in anthropological research.

Note: Expected to be given in 2001–02. Open to both graduates and undergraduates.

Prerequisite: Undergraduates must have completed the quantitative reasoning requirement.

[Anthropology 193. The Varieties of Human Suffering: Culture, Experience, and the Moral Order]

Catalog Number: 1330

Arthur Kleinman

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

Examines the experience of suffering, its social sources, and cross-cultural elaboration through study of those afflicted by chronic illness, AIDS, extreme conditions (Holocaust, Cambodian



genocide, Cultural Revolution, famine,) and routinized features of social life (poverty, homelessness, downward social mobility, bereavement). Compares ethnographic and historical studies, biography, films, fiction, and works of social theory to understand experiences of misfortune from perspectives of different cultures and professions. What does anthropological study of suffering disclose about human conditions, changing moral order of societies, and professional ethical discourse? What does ethnography of experience contribute to anthropological theory or offer sufferers?

Note: Expected to be given in 2002–03.

***Anthropology 194r. Topics in Primate and Human Evolution**

Catalog Number: 2462

David Pilbeam

Half course (fall term). M., 2–5, with laboratory to be arranged. EXAM GROUP: 7, 8, 9

A lecture-seminar-laboratory course on current issues in the fields of paleoanthropology and evolutionary primatology.

Note: Fulfills the research seminar requirement for anthropology concentrators.

Prerequisite: Anthropology 117 or equivalent.

[Anthropology 196. Archaeology of New England]

Catalog Number: 6397

Elizabeth S. Chilton

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

Survey of the 11,000 year prehistory of New England, from the original colonization of the region at the end of the Pleistocene to the initial contacts between native peoples and Europeans. Using archaeological and ethnohistoric data, this course traces the major transformations in the lifeways of native peoples in the region—from hunter-gatherers, to farmers, to the profound effects of the Contact Period. Topics include: the reconstruction of past environments, artifact analysis, kinship, subsistence, settlement patterns, technology, trade, political economy, and ideology. The use of the Peabody Museums artifact collections and visits to local archaeological sites will augment the lectures and discussions.

Note: Expected to be given in 2001–02. Open to both undergraduate and graduate students by permission of instructor.

[*Anthropology 197. Archaeological Laboratory Techniques]

Catalog Number: 6802 Enrollment: Limited to 20. Limited to 20.

Elizabeth S. Chilton

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

This course is an introduction to basic laboratory techniques in archaeology. Students will learn the basics of processing, cataloging, and analyzing the most common types of artifacts recovered from archaeological sites (e.g., ceramics, lithics, bone, etc.). Other topics to be covered include artifact reconstruction, curation, photography, and conservation. Term projects will consist of analyzing a set of artifacts of the student's choosing. Artifacts analyzed in this course will consist primarily of prehistoric artifacts from New England, but students may also use collections elsewhere.

Note: Expected to be given in 2001–02. Some archaeology background helpful.



[*Anthropology 298 (formerly Anthropology 172). Sociocultural Space and Time: Seminar]

Catalog Number: 6527 Enrollment: Open to undergraduates with permission of instructor.

Engseng Ho

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

Social theory since Durkheim and Mauss has explicitly engaged the dimensions of space and time in confronting the diversity of sociocultural forms. We will begin with the classical sociological impetus which animated interest in the subject, then move on to discrete topical concerns such as landscape, place, travel, built form, memory, genealogy, industrialization, sacrality. The course will end with a consideration of recent works on the cultural politics of space and time. Presentation and research paper required.

Note: Expected to be given in 2001–02.

Primarily for Graduates

[*Anthropology 200a. Osteoarchaeology Lab]

Catalog Number: 0363 Enrollment: Limited to 12.

Richard H. Meadow

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

Introduction to the osteoarchaeological analysis. Identification of animal bones and teeth from archaeological sites using comparative materials and their characterization employing visual, metric, and microscopic methods.

Note: Expected to be given in 2001–02. Given in alternate years. Open to qualified undergraduates. Fulfills osteology requirement for archaeology graduate students.

[*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.

Restricted to biological anthropology graduate students preparing for general exams. To be taken concurrently with Anthropology 103 lectures, with additional weekly meeting to be arranged.

Note: Expected to be given in 2001–02. In addition to weekly afternoon seminar meetings, students are expected to attend the regular fall term lectures of Anthropology 103 (Tu., Th., 10–11:30).

***Anthropology 205a. History and Theory of Social Anthropology: Proseminar**

Catalog Number: 1752

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

Steven C. Caton



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

Continuation of Anthropology 205a. Limited to doctoral candidates. Not open to undergraduates.

Anthropology 206r. Topics in Paleolithic Archaeology and Human Evolution

Catalog Number: 8630

Ofer Bar-Yosef and David Pilbeam

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

Presentations and discussions of selected topics in Paleolithic archaeology and human evolution in the Old World. Among the main issues: the “out of Africa” by *Homo erectus*, the emergence and dispersals of modern humans, the colonization of Eurasia, the survival strategies of the Neanderthals and their demise, the use of radiometric techniques, the transition to Upper Paleolithic cultural manifestations, and the foraging strategies of past hunter-gatherers.

[*Anthropology 207 (formerly Anthropology 207a). Archaeological Method and Theory: Seminar]

Catalog Number: 4634

C. C. Lamberg-Karlovsky

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

Examines the historical development and philosophical basis of archaeological method and theory. Discussions focus on critical evaluation of interpretive models, including culture history, positivism, hermeneutics and critical theory. Special attention given to current debates and controversies, including the processualist-postprocessualist debate and the future of archaeology in a changing social and political climate.

Note: Expected to be given in 2001–02. Required of first-year students in Archaeology; open to other graduate students in the department.

Anthropology 211r. Issues in Mesoamerican Archaeology: Seminar

Catalog Number: 7276

William L. Fash

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

A consideration of the reconstruction of pre-Hispanic societies in Mexico, Guatemala, and lower Central America, with particular emphasis on the development of political organization and its maintenance through the manipulation of symbols in ritual and art and the control of economic processes.

Anthropology 212. Current Topics in Human Evolutionary Genetics

Catalog Number: 1175

Maryellen Ruvolo

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

Critical reading of current literature on the genetics of living humans and discussion of evolutionary implications.

Note: Open to undergraduates doing senior thesis research in this area.

Prerequisite: Anthropology 103.

Anthropology 213. Theories of Discourse in Middle Eastern Ethnography

Catalog Number: 8989



Steven C. Caton

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

The discursive construction of culture and its complex politics are examined in a wide range of ethnographies that have been written recently on countries in the Middle East, including Lebanon, Jordan, Israel/Palestine, Egypt, Morocco, and Yemen. Among the theoretical topics to be considered are orientalism, colonialism and post-colonialism, nationalism, self, gender, and tribalism.

Anthropology 215. Social Complexity in North America

Catalog Number: 6560

Elizabeth S. Chilton

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

In this seminar we will review both traditional and new models of the rise of social complexity. We will also examine the archaeological evidence from several geographical regions in North America in order to evaluate the relative effectiveness and appropriateness of these models.

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: Required of entering graduate students in Biological Anthropology.

Anthropology 221. The Anthropology of Knowledge: Seminar

Catalog Number: 7070

Michael Herzfeld

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

An exploration and comparative analysis of local epistemologies from craft apprentices and seasoned skilled manual workers to schoolchildren and laboratory scientists. Particular attention will be paid to the embodiment, inculcation, and transmission of practical knowledge, and to the relationship between cosmology, social context, and pragmatic understanding.

Anthropology 224. Anthropology, Relativism, and Human Rights

Catalog Number: 7038

David H. P. Maybury-Lewis

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

Considers the nature and origins of anthropological relativism and whether the serious study of other cultures and/or postmodern styles of interpretations entail some kind of relativism. Examines, through the analysis of specific dilemmas, the theoretical and practical implications of subscribing to relativistic views about cultural, social or ethical systems if one wishes to take a stand on human rights issues.

[Anthropology 225. Mortuary Analysis: Seminar]

Catalog Number: 7852

Yun Kuen Lee



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

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.

Note: Expected to be given in 2002–03.

Anthropology 229. Behavioral Biology Seminar

Catalog Number: 3777

Irven DeVore and Richard W. Wrangham

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

Reading and discussion of current research in behavioral biology of primates (including humans) in parallel with Science B-29.

Note: Required of entering graduate students in biological anthropology. Open to other graduate students with permission of instructor. Limited to graduate students. Given in alternate years.

[*Anthropology 232. Quaternary Pollen Analysis]

Catalog Number: 8352 Enrollment: Limited to 6.

Carole A. Mandryk

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

Introduction to pollen analysis as a tool for the reconstruction of past vegetation and environments, and its application to climate change, archaeology and geology. Specific topics include collection of samples, pollen extract procedures, pollen grain morphology and identification, and interpreting pollen data. Laboratory sessions provide an introduction to analytical procedures.

Note: Expected to be given in 2001–02.

Anthropology 233r. Palynology Laboratory Practicum

Catalog Number: 8925

Carole A. Mandryk

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

Supervised palynological laboratory research. Each student will normally propose his/her own topic, which may form part of the research for a thesis or another course.

Prerequisite: Anthropology 232.

Anthropology 235ar. Laboratory Methods in Primate and Human Nutrition I

Catalog Number: 2187

Richard W. Wrangham

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

Independent laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior.

Anthropology 235br. Laboratory Methods in Primate and Human Nutrition II

Catalog Number: 3292

Cheryl D. Knott

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



Independent laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior.

[Anthropology 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.

Note: Expected to be given in 2001–02.

Anthropology 239br. Advanced Laboratory Methods in Primate Endocrinology II

Catalog Number: 8585

Cheryl D. Knott

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

Intended for students engaged in laboratory research on non-human primate endocrinology.

Anthropology 245. Culture, Mental Illness and the Body

Catalog Number: 6013

Byron J. Good (Medical School)

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

Briefly reviews the figure of mental illness in Western thought and the social sciences, then focuses on themes in cross-cultural studies of psychopathology: culture and diagnosis; cultural influences on dissociation, depression, and schizophrenia; and madness in non-Euroamerican healing systems and transnational aspects of psychiatry. Particular emphasis will be placed on interviewing methods appropriate for research in cultural psychology.

Anthropology 246. Maincurrents in Anthropological Thought

Catalog Number: 9980 Enrollment: Limited to graduate students.

Nur Yalman

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

Developments in social theory in the British, French, German, and American traditions. Positivism, Marxism, Structuralism, Post-modernism reconsidered. Comparisons with Asian traditions of just societies.

[Anthropology 250. Local Biologies: Perspectives on the Interaction Between Culture and Biology]

Catalog Number: 8267

Arthur Kleinman

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

Reviews the variety of anthropological and other perspectives on the interactions between culture and biology. Topics include mind-brain-society interaction in pain; comparative cross-cultural studies of menopause; the sociosomatics of depression; the new genetics and eugenics; research on stress and trauma; indigenous non-western constructions on the body; history of psychosomatic research.

Note: Expected to be given in 2001–02. Open to advanced undergraduates with permission of the instructor.



Anthropology 252 (formerly Anthropology 145). Mesoamerican Writing Systems: Seminar

Catalog Number: 3684

David S. Stuart

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

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). Hours to be arranged.

Reviews theoretical debates in medical and psychiatric anthropology, outlining a position at the interface of interpretive and critical perspectives. Special attention given to cultural studies of the biosciences and biomedicine and to recent critical and phenomenological accounts of the body.

Note: Expected to be given in 2001–02.

[Anthropology 255. Ethnographic Writing]

Catalog Number: 3111

Jennifer Cole

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

This course is designed for people who have recently returned from the field and are engaged in the mysterious process of turning anthropological field notes into dissertations. The first few sessions will be devoted to the critical reading of ethnographies, during which we will analyze select pieces of writing for argument, voice, writing style, etc., while the bulk of the course will be devoted to the presentation and critique of the work in progress.

Note: Expected to be given in 2001–02.

[Anthropology 256. Culture, Power and Subjectivity]

Catalog Number: 3991

Jennifer Cole

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

Examines the relationship between culture and power in a variety of different ethnographic settings, using both theoretical and ethnographic texts. Questions we will consider include how beliefs and perceptions organize the production and distribution of power, how different regimes of power construct subjectivity and how anthropologists should conceptualize subjectivity, and how certain political and economic institutions and practices shape cultural practices.

Note: Expected to be given in 2001–02.

Anthropology 257. Ethnic Conflicts, Nation States, and the Politics of Identity

Catalog Number: 3086



Rodolfo Stavenhagen

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

Seminar will focus on the dynamics of ethnically divided societies in comparative perspective, the role of politicized identities and cultural pluralism in relation to state policies. A number of cases from different parts of the world (Asia, Europe, Africa, Latin America) will be discussed in the light of various theoretical perspectives. Open to upperclassmen.

Anthropology 259. Culture, Politics, and the Media

Catalog Number: 8797 Enrollment: Limited to graduate students. No auditors.

Kay B. Warren

Half course (fall term). Tu., 7–9:30 p.m. EXAM GROUP: 18

This seminar examines the shifting meanings of “the political” across the post-Cold War transition. Topics include (a) realist representation in mass media, film, museums, popular culture, testimonio, and ethnography and (b) political imaginaries of the violent vs. democratic state. Issues raised by repoliticized and depoliticized situations in Latin America and beyond.

Anthropology 260. Ethnography of Latin America: Views from The Pacific Rim

Catalog Number: 8928 Enrollment: Limited to graduate students. No auditors.

Kay B. Warren

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

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.

Anthropology 262. Kinship Practice

Catalog Number: 5896 Enrollment: Limited to graduate students.

James L. Watson

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

Research seminar focusing on the practice of kinship in everyday life, with emphasis on methodology and fieldwork. Students write papers on topics relating to their future research. Seminar discussions include: single-parenthood, family-limitation campaigns, property transfer and heirship, marriage and diaspora formation, global culture and the practice of family life.

[Anthropology 263. Transnationalism, Globalism, and Local Culture]

Catalog Number: 5127

James L. Watson

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

Examines recent theories of transnationalism and globalism, with emphasis on popular culture (music, TV, style, entertainment, food systems, etc.). Special attention is devoted to debates regarding cultural imperialism and the effects of transnational corporations on “local” cultures. Students are expected to work on individual projects, participate in joint discussions, and help develop new methodologies for the analysis of transnational phenomena.

Note: Expected to be given in 2001–02.



[Anthropology 264 (formerly Social Analysis 48). Anthropology and the Uses of History]

Catalog Number: 9103

Michael Herzfeld

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

Examines how people's ideas about history are created and used for various political and social ends, paying particular attention to the role of nationalism and to the kinds of history people create in opposition to state power. A central concern is to emphasize the existence of local points of view that ordinarily escape the attention of "official" historians. The major geographical focus is on Europe; gender, political affiliation, and social position are examined for their effect on people's interpretations and use of the past.

Note: Expected to be given in 2001–02.

Anthropology 266ar. Archaeological Science: Osteoarchaeology

Catalog Number: 5945

Richard H. Meadow and C. C. Lamberg-Karlovsky

Half course (fall term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17, 18

Introduction to laboratory techniques and analytical processes used in the study of bone from archaeological sites. Includes macroscopic and microscopic approaches to the identification and characterization of non-human animal hard tissue.

Note: CMRAE course topics change each year. Sessions held in CMRAE Graduate Lab, MIT 20B-012. This course will begin on Harvard's academic schedule: First meeting on September 19. Course continues spring term as Anthropology 266br.

Anthropology 266br. Archaeological Science: Osteoarchaeology

Catalog Number: 7163

C. C. Lamberg-Karlovsky

Half course (spring term). To be arranged. EXAM GROUP: 15, 16, 17, 18

Continuation of Anthropology 266ar.

Prerequisite: Anthropology 266ar.

Anthropology 268. Ethnography and Personhood

Catalog Number: 3560

Michael Herzfeld

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

An intensive, critical review of major ethnographic works, including some that engage biography and autobiography, intended to explore the relationship between society and personhood cross-culturally; to examine ethnographic writing and its relation to other genres; and to trace a history of anthropological theory through changes in descriptive and analytic practice.

[Anthropology 272. Medical Anthropology and Global Social Change]

Catalog Number: 4417

Arthur Kleinman

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

Advanced level review of medical anthropology that examines recent theories of global transformations in political processes, economics, and culture and their implications for studies of the body, disease processes, illness experiences, therapeutic practices, and medical



professions. Critical study of ethnographies, social theories, and methodological innovations. Comparison with cultural studies, social history, narratives, social epidemiology.

Note: Expected to be given in 2002–03. Open to advanced undergraduates with permission of the instructor.

[Anthropology 274. Sovereignty, Ethnicity, and Pluralism]

Catalog Number: 0688

Nur Yalman

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

Examines the political dimensions of cultural pluralism: the questions of legitimacy, nation building, autonomy, and revolution are considered. Western theory and Asian experience: the use of myth, history, and religion with special reference to South and West Asia (other Asian regions may be included).

Note: Expected to be given in 2001–02.

[Anthropology 276. New Ethnographies in the Anthropology of Social Experience]

Catalog Number: 5029

Arthur Kleinman

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

New ethnographies of social experience and subjectivity are remaking theory and scholarship. Students critically examine studies of illness, violence, and cultural responses to other forms of human problems as well as other human conditions. Emphasis is on the methodology and style of writing experience-oriented ethnographies as well as on studies of changes in subjectivity in times of social transformation, and the contribution they make to social theory, moral theory, and policy.

Note: Expected to be given in 2002–03. May be open to advanced undergraduates.

Anthropology 277. Development Dilemmas

Catalog Number: 8724

Pauline E. Peters

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

Examines development and its dilemmas; discusses theories and practices of development and critical positions of under-development, dominating knowledge, and anti-development; explores approaches of sustainable, participatory, and green development, and examples of resistance and reappropriation of development. Throughout, the emphasis is on the cultural politics of development encounters.

[Anthropology 278 (formerly Anthropology 183). The Charisma of Saints, and the Cults of Relics, Amulets, Images, and Shrines]

Catalog Number: 3340

Stanley J. Tambiah

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

Examination of some Christian, Buddhist, and Islamic traditions with regard to their conceptions of sainthood, and of the above-mentioned cults associated with saints, both living and dead. Comparison focuses on both convergences and differences.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3222.



[Anthropology 280. Culture]

Catalog Number: 1114

Mary M. Steedly

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

“Culture” is one of anthropology’s key epistemological concepts, yet anthropologists are increasingly hesitant to speak of it. This course considers the history and development of the idea of culture, and asks whether it can still be considered a useful concept. Readings cover a range of disciplines but emphasize sociocultural anthropology.

Note: Expected to be given in 2001–02.

Anthropology 282. Ancestors and Homelands: An Archaeological Perspective: Seminar

Catalog Number: 4877

Barry V. Rolett

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

This seminar focuses on the archaeological concept of a “cultural homeland.” We will examine ancient homelands as centers for cultural innovation and as places of ancestral origin. We will explore archaeological approaches for identifying homelands and ancestral cultures in Polynesia and Mesoamerica.

Note: Open to both graduate and undergraduate students.

Anthropology 284. The Evolution of Human Parenting and Mating Strategies

Catalog Number: 8549

Cheryl D. Knott and Frank W. Marlowe

Half course (spring term). First class meeting on W., at 11. Future class meetings, hours to be arranged. EXAM GROUP: 4

Course examines the evolution of human life history traits from both behavioral and physiological perspectives. Topics include age at weaning; interbirth interval; age at reproduction; investment in offspring; juvenile dependency; and parenting and mating strategies cross-culturally. Evidence from the interaction between hormones, energetic, and behavior, non-human primates and the hominid fossil record is explored.

Note: Enrollment limited to graduate students.

Anthropology 285. Ethnographic Views of Urban Administrative Settings

Catalog Number: 5480

Sally F. Moore

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

Review of fieldwork issues and pertinent literature in anthropology and other disciplines on practical government. Themes in James Scott’s *Seeing Like a State* will be considered.

Anthropology 290. Other Others: New Ethnographic Orientations

Catalog Number: 1747

Mary M. Steedly

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

In its early years, anthropology was defined as a discipline by its focus on isolated or primitive societies. Lately anthropologists have taken a turn toward other forms of “otherness.” This



course examines the variety of new ethnographic orientations through which anthropologists are moving beyond the primitive.

***Anthropology 291. The Anthropology of Edmund Leach**

Catalog Number: 3003

Stanley J. Tambiah

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

This seminar will consist of systematic reading and discussion of the major writings of Edmund Leach together with a parallel reading of Tambiah's recently completed biography of Leach.

Anthropology 294. Geoarchaeology

Catalog Number: 6875

Carole A. Mandryk

Half course (fall term). Th., 5–7 p.m. and laboratory hours to be arranged.

Geoarchaeology is the application of earth science methods and concepts to archaeological research. Aspects of mineralogy, sedimentology; stratigraphy; and pedology contribute to documentation and analysis of site-formation processes as well as the integration of paleomorphic and biological information for the environmental reconstruction of the landscape.

[*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.

Note: Expected to be given in 2001–02.

***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 (spring term). Hours to be arranged.

Examines current developments in the social anthropology of Chinese society, with emphasis on popular culture and historical ethnography. Each year a general topic is chosen as the subject of joint research. Possible topics: religion and ritual systems; social stratification; food and the political economy of eating, kinship, and the state; the construction of a unified culture. Topic for 1997–98 was “Changing Kinship and Family Organization.”

Note: Expected to be given in 2001–02.

***Anthropology 297. Problems in Thai Ethnography**

Catalog Number: 3601 Enrollment: Limited to Social Anthropology graduate students.

Stanley J. Tambiah



Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13
Reading course on problems in Thai ethnography.

Anthropology 299r. Geoarcheology Laboratory Practicum

Catalog Number: 3368

Carole A. Mandryk

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

Supervised geoarchaeological laboratory research. Each student will normally propose his/her own topic, which may form part of the research for a thesis or another course.

Prerequisite: Anthropology 294.

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 Ph.D. degree and ordinarily to those who have completed at least one year in residence.

***Anthropology 302. Current Issues in Biological Anthropology**

Catalog Number: 9373

David Pilbeam 7224, Richard W. Wrangham 2349 (on leave spring term), and members of the Department

Half course (fall term; repeated spring term). Tu., 12–1:30.

Weekly seminars in biological anthropology.

***Anthropology 303. Readings on Southeast Asia**

Catalog Number: 7935

Stanley J. Tambiah 4692

Half course (fall term). .

***Anthropology 311. Methods and Theory in Archaeology**

Catalog Number: 5440

William L. Fash 1512, Ofer Bar-Yosef 1887, C. C. Lamberg-Karlovsky 2387, Carole A. Mandryk 1037, and Richard H. Meadow 1572 (on leave spring term)

***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, Frank W.



Marlowe 757 (on leave fall term), David Pilbeam 7224, Maryellen Ruvolo 2512 (on leave fall term), and Richard W. Wrangham 2349 (on leave spring term)

***Anthropology 323. Old World Archaeology (Europe, Asia, and Africa)**

Catalog Number: 3463

Ofer Bar-Yosef 1887, C. C. Lamberg-Karlovsky 2387, and Richard H. Meadow 1572 (on leave spring term)

***Anthropology 324. Asiatic Archaeology and Ethnography**

Catalog Number: 5398

C. C. Lamberg-Karlovsky 2387, Barry V. Rolett 3417, Lawrence E. Stager 1468 (on leave spring term), Stanley J. Tambiah 4692, and Nur Yalman 3780 (on leave spring term)

***Anthropology 327. Scientific Archaeology**

Catalog Number: 0284

Richard H. Meadow 1572 (on leave spring term)

***Anthropology 329. Archaeology and Ethnography of the Near and Middle East**

Catalog Number: 3787

Ofer Bar-Yosef 1887, C. C. Lamberg-Karlovsky 2387, and Nur Yalman 3780 (on leave spring term)

***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

Jennifer Cole 2390 (on leave 2000-01), Irvén DeVore 1041, Peter T. Ellison 7413, William F. Fisher (Clark University) 3323, Byron J. Good (Medical School) 7648, Michael Herzfeld 3122, Engseng Ho 3094, Arthur Kleinman 7473 (on leave 2000-01), Cheryl D. Knott 3717, C. C. Lamberg-Karlovsky 2387, Yun Kuen Lee 3633 (on leave fall term) (spring term only), Frank W. Marlowe 757 (on leave fall term), J. Lorand Matory 3098 (on leave spring term), David H. P. Maybury-Lewis 2391 (on leave spring term), Richard H. Meadow 1572 (on leave spring term), Sally F. Moore 7225, Pauline E. Peters 2911, David Pilbeam 7224, Maryellen Ruvolo 2512 (on leave fall term), Mary M. Steedly 2783 (on leave fall term), David S. Stuart 3559, Stanley J. Tambiah 4692, Kay B. Warren 2388, James L. Watson 2172, Rubie S. Watson 3326, Richard W.



Wrangham 2349 (on leave spring term), Nur Yalman 3780 (on leave spring term), and Nikolaas J. van der Merwe 1623 (on leave 2000-01)

***Anthropology 351. Direction of Doctoral Dissertations**

Catalog Number: 1864

Members of the Department

Note: Consult the appropriate member of the Department.

***Anthropology 352. Dissertation Writing in Archaeology: Seminar**

Catalog Number: 8373

Richard H. Meadow 1572 (on leave spring term) and members of the Department

For Archaeology graduate students writing their dissertations. Students may present and discuss sections of their work in a group setting guided by a member of the faculty.

Applied Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Applied Mathematics

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics (*Director of Undergraduate Studies*)

William H. Bossert, David B. Arnold, Jr. Professor of Science

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science

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

Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of 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*)

Allan R. Robinson, Gordon McKay Professor of Geophysical Fluid Dynamics

Irvin C. Schick, Lecturer on Engineering Sciences

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, Professor of Geophysics

Daniel L. Goroff, Tutor in Leverett House, Professor of the Practice of Mathematics, Associate Director of the Derek Bok Center for Teaching and Learning

The Division of Engineering and Applied Sciences offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended curricula may be obtained from the Academic Office, Pierce Hall 110a. Division faculty also offer several courses in the section entitled General Education Electives.

For information concerning the concentration in Applied Mathematics please consult the Director of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110a. Many additional courses of interest to applied mathematicians can be found in the Computer Science, Engineering Sciences, Mathematics, and Statistics sections of the catalog.

Primarily for Undergraduates

Applied Mathematics 21a. Mathematical Methods in the Sciences

Catalog Number: 6395

Jeremy Bloxham

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

Complex numbers. Multivariate calculus: partial differentiation, directional derivatives, techniques of integration and multiple integration. Vectors: dot and cross products, parameterized curves, line and surface integrals. Vector calculus: gradient, divergence and curl, Green's, Stokes' and Gauss' theorems, including orthogonal curvilinear coordinates.

Note: May not be taken for credit by students who have passed Mathematics 21a.

Prerequisite: Mathematics 1b or equivalent.

Applied Mathematics 21b. Mathematical Methods in the Sciences

Catalog Number: 5074

Jeremy Bloxham

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.

Guided reading and research.

Note: Normally may not be taken for more than two terms; may be counted for concentration in Applied Mathematics if taken for graded credit. May be taken as a half course in either term.



Applicants should consult their faculty advisers for further information and file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

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

Daniel L. Goroff and John W. Hutchinson

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

Ordinary differential equations: power series solutions; special functions; eigenfunction expansions. Algebra and calculus of vectors, dyadics, and tensors. Elementary partial differential equations: separation of variables and series solutions; similarity solutions; comparison of elliptic, parabolic and hyperbolic systems. Asymptotics.

Note: Applied Mathematics 105a and 105b are independent courses, and may be taken in any order.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b.

Applied Mathematics 106. Applied Algebra and Combinatorics

Catalog Number: 3871

Irvin C. Schick

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

Introduction to abstract algebra and its applications. Theoretical topics in algebra covered include sets, lattices, groups, rings, fields, vector spaces over general fields. Applications to coding/encryption, radar/acoustics, logic, switching circuits, methods of enumeration, symmetries, residue arithmetic, fast signal processing algorithms.

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 2001–02. Offered in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b; Computer Science 50, or equivalent.

[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 2001–02. Offered in alternate years.

Prerequisite: Applied Mathematics 21b, or Mathematics 21b, or equivalent.

[Applied Mathematics 147 (formerly Engineering Sciences 147). Nonlinear Dynamic Systems]

Catalog Number: 7708

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

A study of behaviors that characterize nonlinear ordinary differential equations: self-sustained oscillations, strange attractors, chaos. System response to pulsatile and periodic stimuli; iterated mapping and period doubling. Averaging methods. Mutual entrainment of oscillators. Applications are made to electrical, mechanical, and chemical systems and to biological rhythms.

Note: Expected to be given in 2001–02.

Prerequisite: Calculus to the level of Applied Mathematics 21b or Mathematics 21b.

Primarily for Graduates

Applied Mathematics 201. Complex Function Theory with Applications

Catalog Number: 3241

Tai T. Wu

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Concise review of complex function theory: foundations; multiple-valued functions; analytic continuation; contour integration. Complex analysis representations of special functions. Asymptotic approximations and expansions; method of steepest descent; Fourier and Laplace transforms.

Prerequisite: Applied Mathematics 105a,b or equivalent.



Applied Mathematics 202. Partial Differential and Integral Equations

Catalog Number: 6559

Donald G. M. Anderson

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Theory and techniques for finding exact and approximate analytical solutions of partial differential and integral equations, and related topics: eigenfunction expansions, Green functions, variational calculus, transform techniques, perturbation methods, characteristics.

Note: Expected to be omitted in 2001–02. Offered in alternate years.

Prerequisite: Applied Mathematics 201, or equivalent.

[Applied Mathematics 203. Topics in Applied Mathematics]

Catalog Number: 6336

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

Selected mathematical methods; for example, asymptotic analysis, WKB theory, multiscale analysis, simple dynamical systems, solitons, stochastic processes, singular integral equations, renormalization group techniques.

Note: Expected to be given in 2001–02.

Prerequisite: Applied Mathematics 201 or equivalent.

Applied Mathematics 205. Practical Scientific Computing

Catalog Number: 1370

William H. Bossert

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

Computational methods at a sophisticated analytic level. Practical exercises emphasized. Linear algebra; polynomial and rational function extrapolation; Chebyshev methods; special functions; nonlinear root finding; one- and multidimensional extremization; eigensystems; Fourier transform methods; linear and nonlinear model fitting; adaptive methods for differential equations; stochastic methods for integration and optimization of multidimensional functions.

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 2001–02. 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 2001–02. Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b; Applied Mathematics 120, or equivalent, would be helpful.

[Applied Mathematics 212. Numerical Solution of Differential Equations]

Catalog Number: 6127

Donald G. M. Anderson

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

The development, study and implementation of numerical methods for the approximate solution of ordinary and partial differential equation initial and boundary value problems, and related topics.

Note: Expected to be given in 2001–02. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 and 210 would be helpful, but are not required.

Applied Mathematics 299r. Special Topics in Applied Mathematics

Catalog Number: 5798

Venkatesh Narayanamurti

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

Supervision of experimental or theoretical research on acceptable applied mathematics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is ordinarily taken with the approval of the Committee on Higher Degrees in certain cases when a letter grade is required. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Mathematics 311,312. Numerical Mathematics and Scientific Computing**

Catalog Number: 7333,6118

Donald G. M. Anderson 1061

***Applied Mathematics 315,316. Stochastic Processes, Dynamical Systems, Applied Differential Geometry**

Catalog Number: 2458,2459

Roger W. Brockett 3001

***Applied Mathematics 321,322. Biological Applications of Mathematics and Automatic Computers**

Catalog Number: 7615,4243

William H. Bossert 1049



***Applied Mathematics 333,334. Dynamics of the Ocean; Interdisciplinary Modeling;
Geophysical Fluid Dynamics**
Catalog Number: 4947,4948
Allan R. Robinson 2133

Applied Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Division of Engineering and Applied Sciences Offering Instruction in Applied Physics

Michael J. Aziz, Gordon McKay Professor of Materials Science
Henry Ehrenreich, Clowes Research Professor of Science (*on leave spring term*)
Daniel S. Fisher, Professor of Physics and Professor of Applied Physics (*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
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
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)
David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics (*on leave 2000-01*)
Alfred A. Pandiscio, Senior Lecturer on Electronics on the Gordon McKay Endowment
Peter S. Pershan, Gordon McKay Professor of Applied Physics and Professor of Physics
James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
Allan R. Robinson, Gordon McKay Professor of Geophysical Fluid Dynamics
Frans A. Spaepen, Gordon McKay Professor of Applied Physics (*on leave fall term*)
Howard A. Stone, Harvard College Professor and Gordon McKay Professor of Chemical Engineering and Applied Mechanics (*on leave spring term*)
Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics
Michael Tinkham, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics (*on leave spring term*)



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
Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Other Faculty Offering Instruction in Applied Physics

Bertrand I. Halperin, Hollis Professor of Mathematicks and Natural Philosophy

The Division of Engineering and Applied Sciences offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended curricula may be obtained from the Academic Office, Pierce Hall 110a. Division faculty also offer several courses in the section entitled General Education Electives.

For Undergraduates and Graduates

Applied Physics 195. Introduction to Solid State Physics

Catalog Number: 1842

Henry Ehrenreich

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.

[Applied Physics 197. Computational Physics Methods and Applications]

Catalog Number: 4655

Efthimios Kaxiras

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

Develops computational approaches for understanding physical systems, and illustrates the applications of such approaches to specific problems. Methods to be covered include: numerical differentiation and integration, solution of ordinary and partial differential equations, eigensystems, and stochastic approaches like Monte Carlo and genetic algorithms for statistical sampling and optimization of multi-variable systems. Emphasis on developing the ability to handle both simple and complex physical systems which are analytically intractable. Examples will be drawn from several diverse fields of physics.

Note: Expected to be given in 2001–02. Familiarity with a programming language (like Fortran or C) is assumed. It is suggested that students may wish to take Physics 197 when this course is bracketed.



Prerequisite: Background in mathematics at the level of Applied Mathematics 105b, which may be taken concurrently.

Primarily for Graduates

Applied Physics 216 (formerly Applied Physics 216r). Optics and Quantum Electronics

Catalog Number: 4691

Lene V. Hau

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

Develops the theoretical background needed to understand the most recent developments in optics and photonics. Topics include wave propagation in anisotropic media, glass fibers, planar dielectrics, and random media; interaction of light with matter; quantization of the radiation field; laser physics; photon statistics and noise; nonlinear optics; optical modulation and switching; acousto-optics; parametric devices; optical solitons; photon migration.

Prerequisite: Familiarity with basic electromagnetic theory and quantum mechanics.

Applied Physics 282. Solids: Structure and Defects

Catalog Number: 5737

Frans A. Spaepen

Half course (spring term). Tu., Th., 8:30–10.

Bonding, crystallography, diffraction, phase diagrams, microstructure, point defects, dislocations, grain boundaries.

Note: Intended for students planning to specialize in applied mechanics, materials science, solid state physics and chemistry.

[Applied Physics 284. Statistical Thermodynamics]

Catalog Number: 2257

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

Ensembles and equilibrium in classical and quantum statistical mechanics, derivation of the laws of thermodynamics and of fluctuations, response to static and time-dependent perturbations, relaxation to equilibrium. Applications chosen from the degenerate electron gas, Bose-Einstein condensation and superfluidity, magnetism, phase transitions, and critical points.

Note: Expected to be given in 2001–02.

Prerequisite: Ordinarily, Physics 143a,b and Physics 181 or Engineering Sciences 181.

Applied Physics 292. Kinetics of Condensed Phase Processes

Catalog Number: 3733

Michael J. Aziz

Half course (spring term). M., W., F., at 11, and occasional laboratory demonstrations. EXAM GROUP: 4

Kinetic principles underlying atomic motions, transformations, and other atomic transport processes in condensed phases. Applies these and the principles of thermodynamics to the interpretation of diffusion, continuous transformations, nucleation, growth, coarsening, and other kinetic phenomena in bulk, thin film, and surface states. Fundamental principles are emphasized which are broadly applicable to a wide range of current research problems in atomic transport



and in materials synthesis and processing. Selected applications will be discussed as time permits.

Prerequisite: An undergraduate-level course in thermodynamics.

[Applied Physics 293. Deformation of Solids]

Catalog Number: 6796

Frans A. Spaepen

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

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 2001–02.

Prerequisite: Knowledge of thermodynamics and elements of crystal structure.

***Applied Physics 294hfr. Materials Science Seminar**

Catalog Number: 4924

Michael J. Aziz and Frans A. Spaepen

Half course (throughout the year). Th., 1:30–2:30. EXAM GROUP: 15, 16

Special topics in materials science.

Prerequisite: Check with one of the instructors.

Applied Physics 295a. Introduction to Quantum Theory of Solids

Catalog Number: 6937

Efthimios Kaxiras

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

Electrical, thermal, magnetic and optical properties of solids will be discussed and treated based on statistical mechanics and quantum mechanical models using mostly single electron approximations. Metals, semiconductors, and insulators will be covered. The connections between theory, experiment and applications will be stressed throughout.

Prerequisite: Applied Physics 195 or equivalent, and one full quantum mechanics graduate level course similar to Physics 251a. Physics 251b may be taken concurrently.

Applied Physics 295b. Quantum Theory of Solids

Catalog Number: 3610

Bertrand I. Halperin

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

Theoretical description of solids focusing on the effects of interactions between electrons, including dielectric response, Fermi liquid theory, magnetism, and superconductivity.

Prerequisite: Applied Physics 295a, quantum mechanics, or permission of instructor.

Applied Physics 296r. Superconductivity

Catalog Number: 0219

Michael Tinkham

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

Introduction to theoretical and applied aspects of superconductivity. Topics include BCS



microscopic theory, Ginzburg-Landau phenomenological theory, type I and II superconductors, Josephson effect and devices, fluctuation effects, the vortex-unbinding transition in 2-D systems, flux motion and dissipation in high-temperature superconductors, macroscopic quantum tunneling, the number-phase uncertainty relation, and the single-electron tunneling transistor.

[Applied Physics 298r. Materials Chemistry and Physics: Seminar]

Catalog Number: 7500

Efthimios Kaxiras, Michael J. Aziz, Frans A. Spaepen, and Howard A. Stone

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

Each year materials-related topics are chosen from the following: Optical and Electronic Properties; Mechanical Properties; Surfaces and Interfaces; Nanoscale Phenomena; Organic Materials; Synthesis and Fabrication; Characterization Techniques; Solid State Devices and Structural Applications. Each chosen topic is discussed in about five didactic lectures. A paper and oral presentation on two of the principal topics under discussion will be assigned.

Note: Expected to be given in 2001–02. Taught by faculty from Chemistry, Physics, and the Division of Engineering and Applied Sciences who are associated with Harvard's Materials Research Science and Engineering Laboratory. Suitable for graduate students with undergraduate concentrations in chemistry, engineering, or physics having present or potential research interests in this field.

Applied Physics 299r. Special Topics in Applied Physics

Catalog Number: 2103

Venkatesh Narayanamurti

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

Supervision of experimental or theoretical research on acceptable applied physics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is ordinarily taken with the approval of the Committee on Higher Degrees in certain cases when a letter grade is required. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Physics 327,328. Optical and Optoelectronic Information Systems and Technology**

Catalog Number: 8209,4795

R. Victor Jones 1107

***Applied Physics 329,330. Electronic Circuits**

Catalog Number: 3199,5428

Alfred A. Pandiscio 2601



***Applied Physics 331,332. Experimental Condensed Matter Physics**

Catalog Number: 0467,1560

Robert M. Westervelt 6148

***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

***Applied Physics 339,340. Topics in Electromagnetic Theory**

Catalog Number: 4258,3127

Tai T. Wu 1051 (on leave spring term)

***Applied Physics 343,344. Topics in Electromagnetic Theory and Molecular Spectroscopy**

Catalog Number: 2695,4213

Patrick Thaddeus 1398

***Applied Physics 347,348. Solid Mechanics in Seismology and Materials Physics**

Catalog Number: 4033,3514

James R. Rice 7270

***Applied Physics 351,352. Statistical and Condensed Matter Theory**

Catalog Number: 3992,3993

Paul C. Martin 2103

***Applied Physics 353,354. Theoretical Statistical Physics**

Catalog Number: 5186,5941

Daniel S. Fisher 2600 (on leave spring term)

***Applied Physics 359,360. Quantum Optics and Molecular Physics**

Catalog Number: 5760,3525

Eric Mazur 7952

***Applied Physics 363,364. Experimental Soft Condensed Matter Physics**

Catalog Number: 8975,7242

David A. Weitz 2497



***Applied Physics 365,366. Experimental Condensed Matter: Ballistic Transport in Semiconductors, Nanostructures, and Tunneling Microscopy**

Catalog Number: 9195,0425

Venkatesh Narayanamurti 5445

***Applied Physics 367,368. Topics on Condensed Matter Physics**

Catalog Number: 6975,4173

David R. Nelson 5066 (on leave 2000-01)

***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 (on leave spring term)

***Applied Physics 381,382. Special Topics in Fluid Dynamics**

Catalog Number: 4554,2668

Howard A. Stone 2073 (on leave spring term)

***Applied Physics 385,386. Dynamics of the Ocean; Interdisciplinary Modeling; Geophysical Fluid Dynamics**

Catalog Number: 2878,2879

Allan R. Robinson 2133

***Applied Physics 389,390. Electronic Theory of Condensed Matter**

Catalog Number: 5425,1600

Henry Ehrenreich 2411 (on leave spring term)

***Applied Physics 395,396. Topics in Materials Science**

Catalog Number: 4012,5003

Michael J. Aziz 1337

***Applied Physics 397,398. Materials Science**

Catalog Number: 4266,5010

Frans A. Spaepen 4991 (on leave fall term)



Archaeology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Archaeology

Gloria Ferrari Pinney, Professor of Classical Archaeology and Art (*Chair*) (*on leave fall term*)
Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology

Suzanne P. Blier, Professor of the History of Art and Architecture (*on leave 2000-01*)

Elizabeth S. Chilton, (*on leave fall term*)

Kathleen M. Coleman, Professor of Latin

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

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology

Yun Kuen Lee, Assistant Professor of Anthropology (*on leave fall term*)

Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*on leave fall term*)

Carole A. Mandryk, Associate Professor of Anthropology

Richard H. Meadow, Senior Lecturer on Anthropology (*on leave spring term*)

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel (*on leave spring term*)

Piotr Steinkeller, Professor of Assyriology

The Committee on Archaeology is a multidisciplinary group of scholars appointed to coordinate the teaching of archaeology among Harvard's departments. It is designed to advance knowledge of archaeological activity, research, fieldwork, and scientific techniques in the many and varied fields where archaeology is an established and desirable approach to past cultures and histories around the world. It holds a monthly interdepartmental seminar on archaeological themes, and encourages students in the several departments to join together outside their specialties for the advancement of knowledge. It publishes an electronic calendar of forthcoming archaeological lectures and activities in the Boston area.

The courses listed below deal either directly or indirectly with the study of archaeology and will be given in 2000–2001. More detailed descriptions may be found listed under the several departments.

Literature and Arts B-21, B-46, C-14, C-69. Social Analysis 50.

Anthropology 100, 101, 127, 135, 152, 164, 165, 166, 180, 206r, 211r, 215, 252, 266r, 282, 294.

Classics 131, 140, 145, 151, 152, 155, 242, 243, 263.

History of Art and Architecture 131, 235.

Ancient Near East 105, 109r, 115 .



Religion 2348ab.

Astronomy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Astronomy

Ramesh Narayan, Professor of Astronomy (*Chair*)
Alexander Dalgarno, Phillips Professor of Astronomy
Thomas M. Dame, Lecturer on Astronomy
Daniel G. Fabricant, Lecturer on Astronomy
Giovanni G. Fazio, Lecturer on Astronomy
Margaret J. Geller, Lecturer on Astronomy
Alyssa A. Goodman, Professor of Astronomy (*on leave 2001-2002*)
Jonathan E. Grindlay, Paine Professor of Practical Astronomy
Lee W. Hartmann, Lecturer on Astronomy
Lars Hernquist, Professor of Astronomy
Paul T. P. Ho, Lecturer on Astronomy
Matthew Holman, Lecturer on Astronomy
John P. Huchra, Professor of Astronomy
Scott J. Kenyon, Lecturer on Astronomy
Robert P. Kirshner, Clowes Professor of Science
John L. Kohl, Lecturer on Astronomy
David W. Latham, Senior Lecturer on Astronomy
Myron Lecar, Lecturer on Astronomy
Abraham Loeb, Professor of Astronomy
James M. Moran, Donald H. Menzel Professor of Astrophysics
Philip C. Myers, Lecturer on Astronomy
Robert W. Noyes, Professor of Astronomy (*on leave fall term*)
William H. Parkinson, Lecturer on Astronomy
William H. Press, Professor of Astronomy and of Physics, Fellow of Pforzheimer House (*on leave fall term*)
George B. Rybicki, Professor of the Practice of Astronomy
Dimitar D. Sasselov, Thomas D. Cabot Associate Professor of Astronomy (*Head Tutor*)
Irwin I. Shapiro, Timken University Professor
Simon J. Steel, Lecturer on 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
Martin J. White, Assistant Professor of Astronomy
David James Wilner, Lecturer on Astronomy

Astronomy 1, 2, 14, and Science A-35, A-36 provide a variety of approaches toward introducing the substance of astronomy and astrophysics to interested students. They are aimed at nonconcentrators with curiosity about the contents of the universe and its underlying organization. None of these courses presumes a knowledge of algebra more extensive than that used in a high school physics course. Astronomy 97hf (the Introductory Tutorial) is open to sophomores and freshmen who have some high-school physics background and are considering the concentration or a combined concentration. Astronomy 98hf and 99, Junior and Senior Tutorials, are intended for concentrators in Astronomy and Astrophysics, but are open in special cases to concentrators in other physical sciences. They provide an opportunity for close contact with the faculty and often result in significant research experience. Astronomy 45, 135, 145, 150, 191, 192, and 193 are intended primarily for concentrators in the physical sciences. Each of these courses uses the tools of mathematics and physics to reach an understanding of astronomical phenomena. Since the prerequisites for these courses include substantial preparation in physics and mathematics, students with an interest in taking them or intending to concentrate in Astronomy and Astrophysics should make an effort to take Physics 15a,b,c and Mathematics 21a,b (or Mathematics 22a,b) at the earliest opportunity.

Primarily for Undergraduates

Astronomy 1. The Astronomical Universe

Catalog Number: 4287

Simon J. Steel and Martin J. White

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. Limited to 30.

Philip M. Sadler and assistants

Half course (spring term). Tu., 11:30–1:00, 7–10 p.m. EXAM GROUP: 13, 14

The dance of the Sun, Moon, planets, and stars across the sky allows the navigator to find his or her position anywhere on Earth. Celestial and terrestrial measurements are reduced with a watch and nautical charts and tables to create accurate and safe navigation for boats and airplanes. Students learn to use a sextant and compass, and build an instrument for measuring angles and a celestial sphere. Through personal observations and the use of a planetarium, students become



familiar with a variety of celestial motions. Coastwise navigation, piloting, currents, tides, and electronic aids to navigation are also studied. Historical artifacts (instruments, maps, books, captains' logs) are used to explore the development of the field.

Note: Minimum lecturing; predominantly practical laboratory activities with individual attention from teaching staff. Mathematics beyond geometry and trigonometry not required. Some familiarity with sailing and/or astronomy is helpful.

Astronomy 14. The Universe and Everything

Catalog Number: 1383

Margaret J. Geller

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

A selection of topics on the forefront of astrophysical research. Lectures and problem sets emphasize the application of fundamental physical laws to understand complex systems in the universe. We learn about the impact of modern technology on our ability to obtain answers to some age-old questions (as well as new ones!) about the universe. Topics include gravity according to Newton and Einstein, the formation, evolution, and demise (explosive and otherwise) of stars, black holes, the nature of galaxies and quasars, the use of galaxies to map the universe, and the evolution of the universe itself.

Note: Mathematics beyond algebra and trigonometry is not required. A grasp of elementary physics concepts is helpful but not assumed. Satisfies Science A requirement.

Astronomy 45. Introduction to Astrophysics

Catalog Number: 5375

Alexander Dalgarno

Half course (spring 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

Ramesh Narayan 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

Martin J. White and members of the Department

Half course (throughout the year). F., 2–4. EXAM GROUP: Fall: 7, 8

Introduction to methods of problem solving in astrophysics. Contact with Department of



Astronomy faculty and their research programs. Students meet in small groups with a faculty member for two weeks to work through a problem as an introduction to astronomical questions and research methods. Through the year, each student meets with approximately 10 members of the department.

Note: Open to sophomore concentrators and others (including freshmen with a high school physics background) considering the concentration or a combined concentration.

Prerequisite: Physics 15a,b or equivalent (can be taken concurrently).

***Astronomy 98hf. Tutorial — Junior Year**

Catalog Number: 3121

John P. Huchra and members of the Department

Half course (throughout the year). Spring: F., at 2.

Note: Normally a required course for junior concentrators in Astronomy. Open in special cases to concentrators in other physical sciences. Weekly lectures, assigned reading, and discussion meetings during the fall term, individually supervised program of reading and research leading to a paper and lecture on a chosen topic during the spring term.

***Astronomy 99. Tutorial — Senior Year**

Catalog Number: 5413

John P. Huchra and members of the Department.

Full course. Spring: F., at 2.

Note: For honors candidates in Astronomy. Individually supervised reading and research leading to the honors thesis.

Prerequisite: Astronomy 98hf.

Cross-listed Courses

Science A-35. Matter in the Universe

Science A-36. Observing the Sun and the Stars

For Undergraduates and Graduates

***Astronomy 135. Planetary System Astronomy**

Catalog Number: 4850

Robert W. Noyes and Matthew Holman

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. Emphasis on how physical patterns inherent in our solar system provide clues to the conditions and mechanisms that give rise to the formation of planets orbiting the Sun or similar stars, and govern their evolution. Topics include the formation and evolution of the Sun; origin, structure, and evolution of solar system planets; planetary satellites; small bodies of the solar system (comets, asteroids, and meteorites); and solar magnetic activity and its influence on the Earth and planets. Also included will be discussion of planets orbiting other stars, what they tell us about how planetary systems (including our own) form and evolve, and the possibilities of habitable environments in other planetary systems.

Prerequisite: Physics 15a, b, c, or Physics 11a, b and permission of the instructor.



Astronomy 145. Topics in Astrophysics

Catalog Number: 0212

Abraham Loeb

Half course (fall term). M., W., 9:30–11. EXAM GROUP: 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 (formerly Astronomy 205). Radiative Processes in Astrophysics

Catalog Number: 8993

Patrick Thaddeus

Half course (spring term). M., W., 1–2:30.

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. Introduction to fluid dynamics and shocks.

Prerequisite: Physics 143a (may be taken concurrently).

Astronomy 191. Astrophysics Laboratory

Catalog Number: 3615 Enrollment: Limited to 16.

Jonathan E. Grindlay and Patrick Thaddeus

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

Laboratory and observational projects in astrophysics. Carried out in collaboration with researches at the Harvard-Smithsonian Center for Astrophysics, mainly with in-house or nearby facilities. Students choose two projects from a larger group that may include: measurement of the temperature of the cosmic microwave background radiation; laboratory spectroscopy of jet-cooled, gas phase molecules; observations of dense, star-forming interstellar clouds with the Haystack Observatory; various projects with the Very Large Array; measurement of the rotation of the Galaxy with the CFA millimeter-wave telescope; development of superconducting submillimeter detectors; spectroscopic observations of binary stars at Oak Ridge Observatory; photometry and spectroscopy of star clusters with the Knowles telescope at the Science Center; principles of soft x-ray detectors and imaging, construction, and evaluation of hard x-ray imaging detectors and telescope systems.

Note: Intended primarily for concentrators in Astronomy and Astrophysics or combined concentrators with Physics. Students with Physics as their primary concentration, but with a serious interest in astrophysics, may take this to satisfy their laboratory requirement (in lieu of Physics 191) upon petition to the Head Tutor in Physics.

Prerequisite: Physics 15c or equivalent.

[Astronomy 192. Astronomical Measurements]

Catalog Number: 4741

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

The measurement of radiation from astronomical sources at all wavelengths and frequencies. The



physics of detectors for cosmic rays, x-rays, optical, infrared, radio, and gravitational radiation. Signal-to-noise and noise sources in astronomical detectors including the concept of detective quantum efficiency. Telescopes and basic instrumentation and techniques for absolute flux measurements, imaging spectroscopy, polarimetry, measurement of magnetic fields and interferometry. Astronomical statistics including parameter estimation, hypothesis testing, nonparametric techniques, and statistical biases in real data sets.

Note: Expected to be given in 2001–02.

Prerequisite: Physics 15a,b,c and Applied Mathematics 105 (or equivalents).

Astronomy 193. Noise and Data Analysis to Astrophysics

Catalog Number: 4495

James M. Moran

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

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. Students with a special interest in relativity should note Physics 210 and 211.

***Astronomy 204. Galactic and Extragalactic Dynamics**

Catalog Number: 6396

George B. Rybicki

Half course (spring term). M., W., 10:30–12. EXAM GROUP: 3, 4

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.

Prerequisite: Physics 151 or equivalent.

**Astronomy 206. Stellar Physics**

Catalog Number: 2128

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

Stellar physics is studied from two basic precepts: of stars as the elementary (baryonic) building blocks in the Universe and of the evolution of matter (nucleosynthesis). The theory of stellar interiors and atmospheres is developed from general grounds and applied as fit to the variety of stellar objects and their environments. The observational methods (spectroscopy, dynamics, and seismology) are also discussed briefly. The goal is to provide basic tools for further research and an overall picture of the evolution of matter in the Universe.

[Astronomy 207. Cosmology and Extragalactic Astronomy]

Catalog Number: 2446

*Lars Hernquist and Martin J. White**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 2001–02.***Astronomy 208. The Physics of the Interstellar Medium**

Catalog Number: 4842

*Alyssa A. Goodman**Half course (fall term). Tu., Th., 11–12:30. EXAM GROUP: 13, 14*

The Interstellar Medium [ISM] of our own and other galaxies, as well as the Intergalactic Medium will be discussed, with the greatest emphasis on the Milky Way's ISM. Various physically distinct regions will be investigated, including cold neutral gas, hot ionized gas, photon-dominated regions, high-velocity clouds, and galactic nuclei. Star-forming clouds and supernova remnants will be addressed in detail, as will the interaction of stellar winds with the ISM. The goal of the course will be an understanding of how to measure, understand, and predict the conditions (i.e., temperature, density, chemical composition, ionization state, magnetic field, velocity distribution) of the gas and dust in interstellar material, and to understand the role of the interstellar material in galaxies and the universe.

[Astronomy 218. Radio Astronomy]

Catalog Number: 2883

Half course (spring 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 2001–02. Astronomy 150 or Physics 153 recommended.

**Astronomy 219. High Energy Astrophysics**

Catalog Number: 1858

*Jonathan E. Grindlay and Ramesh Narayan**Half course (spring term). M., W., 2:30–4:30. EXAM GROUP: 7, 8, 9*

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

*Philip C. Myers and Lee W. Hartmann**Half course (fall term). Hours to be arranged.*

Components and structural 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 2001–02.****Cross-listed Courses*****Applied Mathematics 205. Practical Scientific Computing****Physics 210. General Theory of Relativity*****Graduate Courses of Reading and Research***

Unless otherwise specified, these courses are given fall term, repeated spring term.

***Astronomy 300. Topics in Modern Astrophysics**

Catalog Number: 7915

Ramesh Narayan 2871, Alexander Dalgarno 1157, Thomas M. Dame 2755, Daniel G. Fabricant 3711, Giovanni G. Fazio 1143, George B. Field 3836, Margaret J. Geller 4867, Alyssa A. Goodman 3348 (on leave 2001-2002), Jonathan E. Grindlay 4593, Lee W. Hartmann 7420, Lars Hernquist 4250, Paul T. P. Ho 7532, Matthew Holman 1260, John P. Huchra 6271, Scott J. Kenyon 1648, Robert P. Kirshner 1071, John L. Kohl 4972, David W. Latham 3716, David Layzer 1163, Myron Lecar 1026, Abraham Loeb 3349, James M. Moran 4090, Stephen S. Murray 3707, Philip C. Myers 1033, Robert W. Noyes 1651 (on leave fall term), William H. Parkinson 3065, William H. Press 4693 (on leave fall term), Mark J. Reid 3858, George B. Rybicki 3734, Dimitar D. Sasselov 1020, Irwin I. Shapiro 7660, Simon J. Steel 1842, Robert P. Stefanik 1003, Patrick Thaddeus 1398, Edward Tong 1004, Ronald L. Walsworth 2263, Martin J. White 3293, and David James Wilner 2855

A seminar, reading, or research course may be arranged with any of the faculty listed. Students can also arrange to obtain Astronomy 300 credit for reading or research with scientific staff members of the Harvard-Smithsonian Center for Astrophysics; consult Astronomy Department office.



Biological Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Molecular and Cellular Biology

Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences (*Chair of MCB*)
Howard C. Berg, Professor of Molecular and Cellular Biology and Professor of Physics (*on leave 2000-01*)
Daniel Branton, Higgins Research Professor of Biology
John S. Chant, Associate Professor of Biochemistry and Molecular Biology
James E. Davis, Senior Lecturer on Chemistry and Chemical Biology and Molecular and Cellular Biology
John E. Dowling, Harvard College Professor and Llura Gund Professor of Neurosciences
Catherine Dulac, Professor of Molecular and Cellular Biology
Brian D. Dynlacht, Associate Professor of Molecular and Cellular Biology
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
William D. Fixsen, Senior Lecturer on Molecular and Cellular Biology
William M. Gelbart, Professor of Molecular and Cellular Biology (*Head Tutor, Biology*)
Walter Gilbert, Carl M. Loeb University Professor (*on leave 2001-2002*)
Guido Guidotti, Higgins Professor of Biochemistry (*on leave spring term*)
Stephen C. Harrison, Higgins Professor of Biochemistry and Molecular Biology (*Acting Head Tutor, Biochemical Sciences*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
Craig P. Hunter, Assistant Professor of Molecular and Cellular Biology, Associate Professor of Molecular and Cellular Biology
Nancy Kleckner, Herchel Smith Professor of Molecular Biology
Jeremy R. Knowles, Amory Houghton Professor of Chemistry and Biochemistry and Dean of the Faculty of Arts and Sciences
Samuel M. Kunes, Professor of Molecular and Cellular Biology (*on leave fall term*)
Richard M. Losick, Harvard College Professor and Maria Moors Cabot Professor of Biology
Robert A. Lue, Senior Lecturer on Molecular and Cellular Biology, Director of Undergraduate Studies in the Biological Sciences
Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology
Andrew P. McMahon, Frank B. Baird, Jr. Professor of Science (*on leave fall term*)
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
Matthew Meselson, Thomas Dudley Cabot Professor of the Natural Sciences
Andrew W. Murray, Professor of Molecular and Cellular Biology



Venkatesh N. Murthy, Assistant Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
Elizabeth J. Robertson, Professor of Molecular and Cellular Biology
Jack L. Strominger, Higgins Professor of Biochemistry
James C. Wang, Mallinckrodt Professor of Biochemistry and Molecular Biology (*on leave spring term*)
Don C. Wiley, John L. Loeb Professor of Biochemistry and Biophysics, Tutor in Biochemical Sciences (*on leave 2000-01*)

Associate Members of the Department of Molecular and Cellular Biology

Elena M. Kramer, Assistant Professor of Biology
Hidde Ploegh, Mallinckrodt Professor of Immunopathology and Professor of Pathology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
Gregory L. Verdine, Professor of Chemistry, Associate of Pforzheimer House

Faculty of the Department of Organismic and Evolutionary Biology

Daniel L. Hartl, Higgins Professor of Biology (*Chair of OEB*)
David A. Baum, Associate Professor of Organismic and Evolutionary Biology
Fakhri A. Bazzaz, Mallinckrodt Professor of Biology
Andrew A. Biewener, Charles P. Lyman Professor of Biology, Charles P. Lyman Professor of Biology
Kenneth J. Boss, Professor of Biology
Colleen M. Cavanaugh, Professor of Biology
Brian D. Farrell, John L. Loeb Associate Professor of the Natural Sciences, Associate Curator in Entomology
David R. Foster, Senior Lecturer on Biology
Gonzalo Giribet, Assistant Professor of Biology and Assistant Curator of Invertebrates
David A. Haig, Associate Professor of Biology
James Hanken, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology (*on leave fall term*)
N. Michele Holbrook, Thomas D. Cabot Associate Professor of Organismic and Evolutionary Biology
Farish A. Jenkins, Jr., Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology and Professor of Biology, and Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology (*Medical School*)
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, Master of Pforzheimer House, Director of the Museum of Comparative



Zoology (on leave fall term)

Stephen R. Palumbi, Professor of Biology (*on leave fall term*)

Donald H. Pfister, Asa Gray Professor of Systematic Botany

Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology

Otto T. Solbrig, Bussey Professor of Biology, Acting Director of the David Rockefeller Center for Latin American Studies

P. Barry Tomlinson, Edward C. Jeffrey Professor of Biology, Emeritus

John R. Wakeley, Assistant Professor of Biology

Robert M. Woollacott, Professor of Biology

Other Faculty Offering Instruction in Biological Sciences

William H. Bossert, David B. Arnold, Jr. Professor of Science

George M. Church, Professor of Genetics (*Medical School*)

Charles A. Czeisler, Associate Professor of Medicine (*Medical School*)

John M. Doyle, Professor of Physics (*on leave spring term*)

Melvin J. Glimcher, Harriet M. Peabody Professor of Orthopedic Surgery (*Medical School*)

Stephen J. Gould, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology and Professor of Geology

Arthur L. Lage, Associate Professor of Veterinary Medicine (*Medical School*)

Ralph Mitchell, Gordon McKay Professor of Applied Biology

Hidde Ploegh, Mallinckrodt Professor of Immunopathology and Professor of Pathology (*Medical School*)

The courses designated Biological Sciences are an introductory sequence in the Biochemical Sciences and Biology concentrations. They are jointly organized by the departments of Molecular and Cellular Biology and Organismic and Evolutionary Biology. The courses designated Molecular and Cellular Biology are the responsibility of that department. The courses designated Biology are the responsibility of the Department of Organismic and Evolutionary Biology. The Acting Head Tutor for the Biochemical Sciences concentration is James L. Michel. The Head Tutor for the Biology concentration is William M. Gelbart.

Biological Sciences

Primarily for Undergraduates

Biological Sciences 50. Genetics and Genomics

Catalog Number: 9370

Daniel L. Hartl

Half course (spring term). M., W., F., at 12 and three hours of laboratory/discussion each week.

EXAM GROUP: 5

For 2000-2001 academic year, this course is only offered during the spring term. 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. For current Biology and Biochemical Sciences concentrators, this course may be



taken in lieu of Biological Sciences 1. Please refer to the respective concentration notes for additional information on the new course sequence.

Note: Lectures and weekly laboratory/discussion section. For 2000-2001 academic year, this course is only offered during the spring term.

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

Catalog Number: 1922

P. Barry Tomlinson, Andrew A. Biewener, and Brian D. Farrell

Half course (fall term). M., W., F., at 12, and three hours of laboratory each week. EXAM GROUP: 5

An integrative and functional approach to plant and animal biology in an evolutionary context, emphasizing common attributes of whole organisms and their solutions to problems imposed by the physical environment. Topics to be covered include development and organization of body plans, gas exchange, transport and excretion, information processing, support and locomotion, and the acquisition of energy sources.

Note: Knowledge of introductory molecular, cellular biology, and genetics is recommended.

Biological Sciences 52 (formerly Biological Sciences 10). Introductory Molecular Biology

Catalog Number: 1938

Richard M. Losick

Half course (fall term). M., W., F., at 10, and a one-hour meeting each week; approximately four afternoon laboratory sessions to be arranged over the course of the semester. EXAM GROUP: 3

An integrated introduction to the basic principles of molecular biology. Topics covered: the biochemistry and molecular biology of nucleic acids; the Central Dogma; DNA, RNA, and protein synthesis; mutation and repair; recombination and transposition; the genetic code; the turning on and off of genes; RNA, ribozymes and splicing; development. For current Biology and Biochemical Sciences concentrators, this course may be taken in lieu of Biological Sciences 10. Please refer to the respective concentration notes for additional information on the new course sequence.

Note: Chemistry 17 may be taken concurrently.

Prerequisite: Chemistry 17 or 20.

Biological Sciences 53. Diversity and History of Life

Catalog Number: 3342

David A. Baum, David A. Haig, and John R. Wakeley

Half course (spring term). Tu., Th., 10–11:30 and a weekly three-hour lab. EXAM GROUP: 12, 13

A study of the process of organic evolution and its result: the structural, functional, and genetic diversity of organisms. Emphasis on recent advances in understanding phylogenetic relationships among the primary groups of organisms, major events in the history of life, and the fundamental concepts and methods of evolutionary biology.

Note: Replaces Biology 17 and 20.

Prerequisite: BS 1 or 50, BS 2 or 51, or permission of instructor.

Biological Sciences 54. Introductory Cell Biology

Catalog Number: 0801



Robert A. Lue, Raymond L. Erikson, and Douglas A. Melton

Half course (spring term). M., W., F., at 10, and a one-hour meeting during which problem sets are solved; one laboratory session each week. EXAM GROUP: 3

An integrated introduction to the structure, function, and interactions of cells, with an emphasis on their molecular composition and dynamics. The course will emphasize experiments and hypotheses that have led to our current understanding of the cell. The discussion sections will focus on problem-solving and evaluation of data. The laboratory exercises will provide exposure to several techniques commonly used in cell biology. For current Biology and Biochemical Sciences concentrators, this course may be taken in lieu of Biological Sciences 11. Please refer to the respective concentration notes for additional information on the new course sequence.

Prerequisite: Chemistry 17 or 20.

Biological Sciences 56. Structure, Function, and Physical Chemistry of Macromolecules

Catalog Number: 5424

Stephen C. Harrison and Don C. Wiley

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

An introduction to macromolecular structure that integrates the basic principles of equilibrium thermodynamics, chemical kinetics, and molecular dynamics. Particular attention is paid to the forces and energetics of single molecules and how they determine the properties of ensembles of these molecules. Specific examples of such phenomena will be drawn from biochemistry and cell biology.

Prerequisite: BS 10 or 52 and BS 11 or 54 are recommended but not required; Chemistry 10 or equivalent; Chemistry 27 or Chemistry 30; Physics 11 (may be taken concurrently); Math 21a; Math 21b is recommended but not required.

Biological Sciences 80 (formerly Biological Sciences 25). Behavioral Neuroscience

Catalog Number: 6052

John E. Dowling and Mark G. Baxter

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

An introduction to the organization and function of the nervous system and its role in behavior. Topics include the cell biology of neurons, electrical and biochemical signaling by neurons, mechanisms of sensation and perception, control of movement, learning and memory, language, motivation and emotion. Surveys research on mental illness, neurological diseases, and computational models of brain function.

Note: Introductory Biology recommended.

Molecular and Cellular Biology

Primarily for Undergraduates

***Biochemical Sciences 91r. Introduction to Research**

Catalog Number: 6083

Stephen C. Harrison and members of the Faculty.

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



Laboratory research in topics related to the Biochemical Sciences concentration under the direction of, or approved by, members of the Board of Tutors in Biochemical Sciences. A paper must be submitted to the laboratory sponsor and to the Biochemical Sciences Tutorial Office for review by the Course Director and members of the Board of Tutors.

Note: Open only to Biochemical Sciences concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the Biochemical Sciences Tutorial Office prior to enrolling in the course. This introductory research course is intended to prepare students for Biochemical Sciences 99, and may ordinarily be repeated no more than once.

***Biochemical Sciences 99. Laboratory Research for Honors Thesis**

Catalog Number: 6670

Stephen C. Harrison and members of the Faculty.

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in Biochemical Sciences. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Head Tutor. Students may enter the course at midyear only with the permission of the Head Tutor. The thesis proposal must be approved by the Head Tutor prior to enrolling in Biochemical Sciences 99.

For Undergraduates and Graduates

Attention is called to the following course: Chemistry 170. Chemical Biology

[MCB 112. Structure and Function of Proteins and Nucleic Acids]

Catalog Number: 6380

Stephen C. Harrison

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

Principles of protein and nucleic acid structure and assembly. This course is especially intended for first year graduate students in MCB and Biophysics, but it is also appropriate for suitably prepared undergraduates.

Note: Expected to be given in 2001–02.

Prerequisite: BS 10 or 52, BS 11 or 54 and MCB 61, or equivalent preparation in physical chemistry.

[*MCB 113. Principles of Genetic Analysis]

Catalog Number: 0875 Enrollment: Limited to 25.

Nancy Kleckner and members of the Faculty

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

Advanced treatment of principles and methods of genetic analysis. Classical and molecular approaches are discussed as applied to a range of organisms from bacteria to man.

Note: Expected to be given in 2001–02.

Prerequisite: BS 10 or 52, BS 11 or 54, and BS 14 or 50.

[MCB 114. Structure and Function of Membrane Proteins]

Catalog Number: 8244

Don C. Wiley

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



An advanced course on the relationship between the atomic structure and the biological function of membrane proteins. Topics include: Both methods, such as: membrane protein crystallization; 2D electron crystallography; single particle image reconstruction; X-ray diffraction; and biological examples, such as: bacterial rhodopsin, photosynthetic and respiratory proteins, toxins, pores, and ion channels. Because relatively few membrane protein structures have been determined, a complete examination of current knowledge is possible. Students are required to evaluate and discuss scientific papers.

Note: Expected to be given in 2001–02.

Prerequisite: BS 10 or 52, BS 11 or 54 and MCB 61 or equivalent preparation in physical chemistry.

MCB 115. Cellular Basis of Neuronal Function

Catalog Number: 8703 Enrollment: Limited to 30.

Venkatesh N. Murthy

Half course (fall term). W., F., 10–11:30. EXAM GROUP: 3, 4

Processes involved in the function of neurons will be explored, with emphasis on biophysical and cell biological approaches. Topics include excitable membranes, intracellular membrane trafficking, cytoskeletal dynamics, synaptic transmission, dendritic integration, and synaptic plasticity.

Prerequisite: BS 25 or BS 80 or equivalent.

MCB 116. Experimental Embryology

Catalog Number: 1207 Enrollment: Limited to 24. Limited to 24

Elizabeth J. Robertson

Half course (fall term). M., 2–6. EXAM GROUP: 7, 8, 9

An introduction to basic problems in developmental biology by direct experimentation. Both classical and modern molecular manipulations of developing embryos are performed to study cell specification, differentiation, organ formation, and embryonic induction. Various aspects of pattern formation are analyzed, including the establishment of polarity and body axes, making use of frogs, chicken, mice, and fish.

Note: Laboratory course primarily for advanced undergraduates and graduate students.

Prerequisite: BS 10 or 52, or BS 11 or 54, or MCB 16 or 118 or their equivalents.

MCB 117. Experimental Neuroscience

Catalog Number: 3175 Enrollment: Limited to 16.

Markus Meister, John E. Dowling, Catherine Dulac, Venkatesh N. Murthy, and Ken Nakayama

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

An inquiry-based approach to neuroscience that uses state of the art technology to study the development and function of the nervous system. Topics include neural development, growth cone behavior, properties of voltage gated channels, systems neurobiology, and psychophysics. Experimental approaches include immunohistochemistry, molecular genetics, time lapse video-enhanced microscopy, gene expression of channels, whole cell voltage clamp, and extracellular recording.

Note: Primarily for upper-level undergraduate and graduate students; background in biochemistry or physics suggested.

Prerequisite: BS 25 or 80.



[MCB 118 (formerly MCB 16). Developmental Biology]

Catalog Number: 0749

Andrew P. McMahon

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

A comprehensive lecture course in developmental biology. The principles and mechanisms of animal development are emphasized and illustrated using several animal models. Emphasis placed on experimental approaches at the molecular, genetic, and cellular levels of organization. For example, we will discuss how the egg gives rise to an adult with a functioning skeleton, brain, and other organs, how sex is determined, and how these mechanisms are conserved from insects to humans.

Note: Expected to be given in 2001–02.

Prerequisite: BS 1 or 50. BS 10 or 11 or 52 or 54 suggested but not required.

MCB 119. Experimental Genetics

Catalog Number: 4472 Enrollment: Limited to 15.

John S. Chant

Half course (spring term). W., 12–3, F., at 3. EXAM GROUP: 5, 6, 7

The primary objective is to illustrate the principles and techniques of genetics with the most tractable eukaryotic genetic organism, budding yeast. Because yeast cells are used so widely in biology as the organism of choice or as an organism for working with heterologous proteins, the course also serves as an introduction for those who wish to use yeast in the future. Each week, a genetic experiment is performed. For each experiment, there is some modest background reading from research literature and a short lecture at the beginning of the laboratory period.

***MCB 122. Regulation of Cell Proliferation**

Catalog Number: 1403 Enrollment: Limited to 20.

Brian D. Dynlacht and Raymond L. Erikson

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

The molecular and biochemical events occurring during the cell cycle are considered. Topics include growth factors and their receptors, second messengers, protein phosphorylation, gene expression, oncogenes, and tumor suppressor genes. The course consists of lectures and student presentations from the current literature. An optional laboratory section will be offered to students with limited laboratory experience interested in the techniques considered in the lectures.

Prerequisite: BS 10 or 52 or equivalent.

[MCB 129. Molecular Genetics of Neuronal Development]

Catalog Number: 8956 Enrollment: Limited to 25.

Samuel M. Kunes

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

Topics include the control of neuronal differentiation and cellular identity, cell birth and cell death, axon guidance, and the mechanisms of synaptic specificity. Emphasis placed on genetic approaches to understanding the development of the nervous system.

Note: Expected to be given in 2001–02.



MCB 138. Function of Neural Systems

Catalog Number: 1153 Enrollment: Limited to 25.

Markus Meister

Half course (spring term). W., F., 10–11:30. EXAM GROUP: 3, 4

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.

Prerequisite: BS 25 or 80 and one half course in physics or permission of instructor.

MCB 141. Molecular and Developmental Neurobiology

Catalog Number: 5205

Catherine Dulac

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Molecular basis of sensory perception and formation of related neuronal networks during vertebrate development. Topics will include: mechanisms of sensory discrimination at the level of receptor molecules and receptor cells; coding of sensory information by the brain; establishment of appropriate connections in the developing brain. Molecular and genetic approaches to memory and behavior will be discussed.

Prerequisite: BS 10 or 52, and BS 25 or 80.

MCB 142 (formerly MCB 242). Chromosomes

Catalog Number: 7948 Enrollment: Limited to 25.

Matthew Meselson

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

Selected aspects of the structure, replication, segregation, recombination, and function of chromosomes. Current findings will be considered in a historical context. Lectures, student presentations and critical discussion of the scientific literature.

MCB 150. Developmental Genetics and Genomics

Catalog Number: 5703

Craig P. Hunter

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

An advanced course on the genetic control of plant and animal development. Topics include classical and molecular genetic analysis of developmental processes and mechanisms in nematodes, flies, fish, plants, mice, and man. The course will consist of lectures, student presentations, several written assignments, and an exam.

Prerequisite: BS 1or 50, BS 10 or 52, BS 11 or 54, their equivalents or permission of instructor.

***MCB 155. Molecular Mechanisms of Gene Control**

Catalog Number: 6230

Tom Maniatis

Half course (fall term). Tu., Th., 4–5:30, plus two-hour section times to be arranged. EXAM GROUP: 18

An advanced course on the control of gene regulation. Topics include: mechanisms of gene regulation at the level of transcription, chromatin structure, DNA methylation, RNA processing,



mRNA localization, and protein synthesis and degradation. The course is taught through weekly lectures and readings from the current literature. Topics covered in lectures and the reading assignments are discussed in sections. Students are required to critically evaluate and discuss recent papers in sections. Two exams.

Prerequisite: BS 10 or 52 and BS 11 or 54 (or equivalent), and permission of instructor.

MCB 169. Molecular and Cellular Immunology

Catalog Number: 2518

Hidde Ploegh (Medical School)

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

Basic elements of the immune system. Molecular biology of antigen recognition structures on B and T lymphocytes. Cellular and genetic basis of immunity. Regulation and development of the immune system.

Prerequisite: BS 1 or 50 and BS 10 or 52. Genetics and Cell Biology strongly recommended.

[MCB 176. Membrane Structure and Function]

Catalog Number: 3186

Guido Guidotti

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

The structure of membrane proteins and their involvement in transport and signal transduction: membrane structure; membrane protein synthesis and insertion in the bilayer; transporters and pumps; channels; electron transport and H⁺ gradients; ATP synthase; 7 transmembrane segment receptors and G proteins; receptor tyrosine kinases and dimerization.

Note: Expected to be given in 2001–02.

Prerequisite: BS 10 or 52 and BS 11 or equivalent.

[MCB 177. Macromolecular Assemblies in Genetic Processes]

Catalog Number: 3102 Enrollment: Limited to 30.

James C. Wang

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

Selected topics on complex assemblies in replication, repair, recombination, and transcription will be discussed. Emphasis is on the structural basis of an assembly and the macromolecular interactions underpinning its function.

Note: Expected to be given in 2001–02.

Prerequisite: BS 10 or 52 and BS 11 or equivalent, or permission of the instructor. Background in macromolecular structures and functions encouraged.

MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation

Catalog Number: 2854

J. Woodland Hastings and Charles A. Czeisler (Medical School)

Half course (fall term). W., 2-5, and a one hour discussion section per week to be arranged.

EXAM GROUP: 7, 8, 9

Properties, mechanisms, and functional roles of circadian (daily) rhythms in organisms ranging from unicells to mammals. Cellular and molecular components, regulation of gene expression and physiological functions, genetic and biochemical analyses of circadian rhythms, and



neurobiology of the mammalian circadian pacemaker. Mathematics and modeling of oscillatory systems and applications to circadian rhythms. Experimental studies of human rhythms, including the sleep-wake cycle and hormone rhythms, with applications to sleep disorders.
Prerequisite: BS 1 or 50 and BS 2 or 51; BS 25 or 80 desirable.

MCB 188. Genetics and Biochemistry of Chromosome Behavior

Catalog Number: 8561

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

Chromosome morphogenesis in prokaryotic and eukaryotic organisms. Topics will include chromosome structure, interactions between chromosomes (sisters and homologs), DNA recombination and repair, topoisomerases, transposable elements and site-specific recombination, epigenetic inheritance. Genetic, cytological, and biochemical approaches will be integrated. Lecture, reading, and discussion of classical and current literature and consideration of future experimental directions.

Prerequisite: BS 10 or 52, BS 11 or 54, and BS 14 or 50.***MCB 190. Bioinformatics: The Computational Analysis of Genes and Proteins**

Catalog Number: 7805 Enrollment: Limited to 40.

*Walter Gilbert and Christopher Peter Sears**Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17*

This course provides advanced students with an introduction to the theory and methods of computational molecular biology. The focus is on the use of bioinformatics to solve problems in biology. We will cover the practical application and theoretical basis of computational methods used to search for, classify, analyze and model DNA, RNA, and protein sequences. Topics covered include: accessing molecular databases, pattern database similarity searching, classification of sequence and structure, alignment of sequences, rapid similarity searching, phylogenies, pattern learning, and gene prediction algorithms. Emphasis is placed on practical methods, an understanding of the primary literature, and an assessment of analytical methods.

Note: The course includes a computer lab and an introduction to algorithm programming.*Prerequisite:* BS10 and 11. Calculus 1 and Introductory Computer Science recommended. Or permission of the Instructor.***Cross-listed Courses*****Biophysics 101. Genomics and Computational Biology*****Primarily for Graduates*****MCB 200a. Introduction to Graduate Study in Molecular and Cellular Biology**

Catalog Number: 7215 Enrollment: Enrollment is limited to MCB graduate students.

*Members of the faculty**Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17*

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 macromolecules, cell biology, and gene



regulation. Students are expected to actively participate in critical evaluation and discussion. The course will be team-taught by faculty.

MCB 200b. Introduction to Graduate Study in Molecular and Cellular Biology

Catalog Number: 2655 Enrollment: Enrollment is limited to MCB graduate students.

William M. Gelbart and members of the faculty.

Half course (spring term). M., 10:30–12, W., 4–5:30. EXAM GROUP: 3, 4, 9

The goal of the course is to introduce the methods and logic of modern biology as developed through reading and discussion of research papers in genetics, developmental biology, and neuroscience. Students are expected to actively participate in critical evaluation and discussion. The course will be team taught by faculty.

[MCB 212. Topics in Biophysics]

Catalog Number: 3351

Howard C. Berg

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

Motility and sensory transduction; Chemotaxis in bacteria; flagellar motility; prokaryotic and eukaryotic motor molecules. A term paper and seminar will be required.

Note: Expected to be given in 2001–02.

***MCB 250. Producing a Phenotype: Modern Genetics & Genomics**

Catalog Number: 7006 Enrollment: Limited to 20.

William M. Gelbart

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

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.

Prerequisite: Courses in basic genetics and molecular biology, and permission of instructor.

MCB 268. Molecular Immunology: Seminar

Catalog Number: 2196 Enrollment: Limited to 20. 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. Limited to 10.

J. Woodland Hastings

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

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.

Prerequisite: BS 1 or 50 and BS 11 or 54 or equivalent, and an introductory course in physics.

Graduate Courses of Reading and Research

***MCB 300. Introduction to Research**

Catalog Number: 4816

Douglas A. Melton 7232 and James C. Wang 4870 (on leave spring term)

***MCB 304. Biochemistry of Cell Cycle Regulation**

Catalog Number: 2980

Brian D. Dynlacht 1940

***MCB 306. Biophysics and Physiology of Neurons**

Catalog Number: 1695

Venkatesh N. Murthy 2424

***MCB 310. Molecular Embryology of the Mouse**

Catalog Number: 8031

Elizabeth J. Robertson 3313

***MCB 312. Military and Arms Control Applications of Biology and Chemistry**

Catalog Number: 2063

Matthew Meselson 1319

***MCB 314. Molecular Genetics of Cell-Cell Interactions in Plants**

Catalog Number: 5564

Robert E. Pruitt 3376 (on leave fall term)

***MCB 322. Genetics and Development**

Catalog Number: 7290

Craig P. Hunter 2803

***MCB 326. Biochemical Virology**

Catalog Number: 0243

Raymond L. Erikson 7506

***MCB 344. Molecular and Developmental Neurobiology**

Catalog Number: 2292

Catherine Dulac 2801

***MCB 351. Structural Molecular Biology**

Catalog Number: 1977

Stephen C. Harrison 3597



***MCB 352. Structural Molecular Biology**

Catalog Number: 2099

Don C. Wiley 3598 (on leave 2000-01)

***MCB 359. Molecular Genetics**

Catalog Number: 6278

Nancy Kleckner 4697

***MCB 360. Proteins Involved in DNA Transactions**

Catalog Number: 0407

James C. Wang 4870 (on leave spring term)

***MCB 364. Vertebrate Development**

Catalog Number: 1396

Andrew P. McMahon 3312 (on leave fall term)

***MCB 365. Neurobiology**

Catalog Number: 8349

John E. Dowling 3545

***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 (on leave fall term)

***MCB 375. Molecular Biology of Cell Division**

Catalog Number: 4991

John S. Chant 3485

***MCB 376. Molecular Biology**

Catalog Number: 4159

Walter Gilbert 1306 (on leave 2001-2002)

***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 (on leave 2000-01)

***MCB 381. Microbial Development**

Catalog Number: 4994

Richard M. Losick 3561

***MCB 382. Molecular Immunology**

Catalog Number: 5515

Jack L. Strominger 1193

***MCB 386. Molecular Evolution**

Catalog Number: 0763

Matthew Meselson 1319

***MCB 390. Function of Neuronal Circuits**

Catalog Number: 8883

Markus Meister 3007

***MCB 391. Biochemistry**

Catalog Number: 4888

Guido Guidotti 1203 (on leave spring term)

***MCB 395. Eukaryotic Gene Regulation**

Catalog Number: 7697

Tom Maniatis 7231

***MCB 396. Regulation of Mitosis**

Catalog Number: 5706

Andrew W. Murray 3765

***MCB 399. Vertebrate Developmental Biology**

Catalog Number: 7699

Douglas A. Melton 7232

Biology

Certain courses at the Medical School, offered by the FAS through the Division of Medical Sciences (see listings in this catalog), may be counted for concentration credit by individual petition to the Biology Undergraduate Committee *prior* to filing the study card. These include courses in Biological Chemistry and Molecular Pharmacology, Cell Biology, Genetics, Immunology, Microbiology, Neurobiology, Pathology, and Virology.

With the approval of the Biology Undergraduate Committee, summer courses taken at the



Marine Biological Laboratory, Woods Hole, Massachusetts, may be counted toward degree requirements, but the total credit so obtained shall not exceed one course. Similarly, and with the same limitations, courses taken in Tropical Biology under the auspices of the Organization for Tropical Studies may be counted toward degree requirements.

Primarily for Undergraduates

Biology 10. Biology of Invertebrate Animals

Catalog Number: 7873

Kenneth J. Boss

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

Surveys the diversity of invertebrate animals, including their natural history and probable evolutionary relationships. The ecological and behavioral adaptations as well as the morphology and systematics of these organisms are explored, using common marine, freshwater, terrestrial, and parasitic species.

Note: BS 2 or 51 recommended, or permission of instructor required.

Biology 19. Population Biology: Ecology

Catalog Number: 3365

William H. Bossert

Half course (spring term). M., W., F., at 10, weekly discussion section, and a minimum of three field trips on Saturday and/or Sunday. EXAM GROUP: 3

Relationships of organisms to their environment at the individual, population, and community level. Topics in pure and applied ecology including adaptations to physical environment, competition, concept of the niche, population dynamics, predator-prey interactions, herbivore effects, community ecology, ecosystem structure and stability, and resource management.

Prerequisite: Mathematics 1 and Science B-15 or BS 2 or 51 or equivalent.

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 22. Animal Behavior

Catalog Number: 2539

Naomi E. Pierce

Half course (fall term). Lectures, Tu., Th., at 10; evening movie section to be arranged; ninety



minutes of discussion section each week. EXAM GROUP: 12

A review of the behavior of animals under natural conditions, with emphasis on both mechanistic and evolutionary approaches. Topics include motivation and behavioral endocrinology; development; behavioral genetics and learning; signaling, deceit and animal consciousness; orientation, migration and biological rhythms; optimization and game theory; parental investment and mating systems; selfishness, altruism, and reciprocity; and sociality in vertebrates and invertebrates.

Prerequisite: Science B-15, B-29 or BS 1, 2, 50, 51, or equivalent, or permission of instructor.

Biology 24. Biology of Plants

Catalog Number: 1343

N. Michele Holbrook and P. Barry Tomlinson

Half course (spring term). Tu., Th., 10–11:30, one afternoon laboratory per week, plus occasional field trips. EXAM GROUP: 12, 13

Introduction to the structure, diversity, and physiology of plants with an emphasis on evolutionary relationships and adaptations to life on land. Topics include growth, resource acquisition, interactions with other organisms (i.e., fungi, bacteria, insects), reproduction, and survival in extreme environments. Laboratory sessions provide an overview of plant and diversity and an introduction to basic physiological processes.

Tutorials, Independent Research, and Thesis Work

See Biology 121a, Biology 121b, and Biology 200r for other independent research options. Students who participate in independent research laboratory courses (Bio 98r, 99ar, 99b, 121a, 121b, or 200r) are required to attend a safety session on matters concerned with safety procedures before or at the beginning of their laboratory work. Credit for these courses is contingent upon compliance with this requirement. Biology 95hf: Tutorial for Credit course descriptions and syllabi are available in the Biology Undergraduate Office and on Biology's Web site at www.mcb.harvard.edu. Students should enter on the study card the "Catalog Number" of the Tutorial in which they wish to enroll.

***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. Conceptual Issues in Evolutionary Biology**

Catalog Number: 2052

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfb. The Science of Exercise and Human Performance**

Catalog Number: 2607

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfc. Cell Signaling In the Immune System. Apoptosis and Immune Diseases as Targets for Biotechnological Research**

Catalog Number: 2935

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfd. Gene Therapy**

Catalog Number: 3437

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfe. Immune Invasion: What Can We Learn from Sneaky Pathogens**

Catalog Number: 4021

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hff. Oncogenes and the Molecular Initiation of Cancer**

Catalog Number: 5745

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfh. Size: It Really Does Matter**

Catalog Number: 4969

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfi. Neurodegenerative Diseases and Neuropsychiatric Disorders**

Catalog Number: 7067

William M. Gelbart and members of the Department

Half course (throughout the year). Hours to be arranged.

***Biology 95hfj. Plant Sexual Reproduction: Evolutionary and Molecular Aspects**

Catalog Number: 6361



William M. Gelbart and members of the Department
Half course (throughout the year). Hours to be arranged.

***Biology 95hfl. Problem Solving in Neuroscience: An Interactive Case-Based Online Network (ICON)**

Catalog Number: 7072

William M. Gelbart and members of the Department
Half course (throughout the year). Hours to be arranged.

***Biology 95hfm. Games Parasites Play: The Cellular and Molecular Biology of Host/Parasite Interactions**

Catalog Number: 7766

William M. Gelbart and members of the Department
Half course (throughout the year). Hours to be arranged.

***Biology 95hfn. The Genetics of Cancer in the Postgenomic Era**

Catalog Number: 8189

William M. Gelbart and members of the Department
Half course (throughout the year). Hours to be arranged.

***Biology 95hfo. The Guinness Book of Plants: Extreme Plant Physiology**

Catalog Number: 8456

William M. Gelbart and members of the Department
Half course (throughout the year). Hours to be arranged.

***Biology 95hfp. Biodiversity: Science, Policy, and Law**

Catalog Number: 8846

William M. Gelbart and members of the Department
Half course (throughout the year). Hours to be arranged.

***Biology 98r. Introduction to Research**

Catalog Number: 8616

William M. Gelbart and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.

Introduction to independent research. Recommended for students (ordinarily in the junior year) with no previous independent laboratory or library research experience. For Biology concentrators, ordinarily work is directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by petition to the Biology Undergraduate Office. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 98r at the time of enrollment. A written report of approximately 5 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form.

Note: To be graded SAT/UNS only. Laboratory safety session required.

***Biology 99ar. Research for Honors Thesis**

Catalog Number: 8037

*William M. Gelbart and members of the Department**Half course (fall term; repeated spring term). Hours to be arranged.*

Ordinarily taken by students planning on writing an honors thesis. Recommended as the research course to be taken in the first semester of the student's senior year. For Biology concentrators, work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 99ar at the time of enrollment. A written report of approximately 10 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form. All students enrolling in this course must submit a short thesis proposal prior to the first day of classes of the fall semester. The thesis proposal form is available in the Biology Undergraduate Office.

Note: May be repeated only with special permission of the Biology Undergraduate Committee. Laboratory safety session required.

***Biology 99b. Honors Thesis**

Catalog Number: 7264

*William M. Gelbart and members of the Department**Half course (fall term; repeated spring term). Hours to be arranged.*

Taken by students who are actively writing their honors thesis (ordinarily in the second semester of their senior year). For Biology concentrators, work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. Non-concentrators must conduct their project with a faculty member in MCB or OEB. All students must submit registration materials for Biology 99b at the time of enrollment. These registration materials are available in the Biology Undergraduate Office. Honors levels determined by the Biology Undergraduate Committee based upon readers' evaluations.

For Undergraduates and Graduates**Biology 102. Evolution and Biology of the Seed**

Catalog Number: 7580

*P. Barry Tomlinson**Half course (spring term). First class meeting 2/1 at 12 pm Herbarium Seminar Room. Hours to be arranged, plus additional laboratory work at the Arnold Arboretum and the Harvard Forest.*

The evolution of the seed had major impact on the development of modern vegetation and hence of modern faunas, but can be traced back to the late Devonian. The evolutionary origins of the seed will be traced on the basis of paleobotanical evidence and comparative morphology of modern vascular plants. The biological conflict between the functions of the ovule (the seed precursor) at the time of pollination and the need for protection of the embryo will be discussed, together with the biological implications of seed dormancy.

Prerequisite: BS 2 or 51 recommended.



[Biology 104. Plants and Human Affairs]

Catalog Number: 5281

Otto T. Solbrig

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

An introduction to the biology and use of plants of economic importance, including the role that plants have played in the development of civilization and in modern society. Topics to be covered are the structure, classification, economic importance, chemistry, and evolution and culture of the principal crops of the world, and cultural methods, including the use of biotechnology in plant breeding.

Note: Expected to be given in 2001–02.

Prerequisite: Introductory Biology (Biological Sciences 51) or equivalent.

Biology 105. Environmental Consequences of Land Use Changes in Latin America

Catalog Number: 1226

Otto T. Solbrig

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

Identifies and introduces key issues in land use changes and land management practices in Latin America. Three categories of land use are discussed: as ecosystems, as producers of raw materials, and as space. Agriculture, pastoral production, forestry, energy extraction and production, water supply, and land use for urbanization are considered as main areas of conflict and as factors that have influenced resource use. Lectures introduce case studies of actual situations in the forest-cropland interface. Students are expected to write a paper on a topic relating to class material.

[Biology 107. Evolution of Plant Life in Geologic Time]

Catalog Number: 1318

Andrew H. Knoll

Half course (fall 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 2001–02.

Prerequisite: BS 2 or 51 or permission of instructor.

[Biology 113. Nonvascular Autotrophs and Fungi: A Survey]

Catalog Number: 3672

Donald H. Pfister

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

The biology and classification of algae, bryophytes, lichens, and fungi are considered. The goal is to introduce students to the diversity of the groups and the ecology, growth, and development of these organisms. Begins by reviewing previous classification schemes used to cover these groups. Life cycles, anatomy-morphology, physiology, and ecology of each group are covered through lectures, laboratory, and field trips. Each student is expected to undertake an independent project.

Note: Expected to be given in 2001–02.

Prerequisite: BS 1 or 50 and 2 or 51 or equivalent.



Biology 114 (formerly Biology 213). 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 118. Biological Oceanography]

Catalog Number: 7752

James J. McCarthy

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

The ocean as an ecological system. Emphasis on the ecology and physiology of the plankton. Considerable attention to processes and events that demonstrate the complexity of environmental-organismal interactions. Discussion sessions treat special topics such as sampling strategies, plankton demonstrations, and critical analyses of current literature.

Note: Expected to be given in 2001–02. For Biology and other natural science concentrators.

Prerequisite: BS 1 and Chemistry 5 and 7 or Chemistry 10. 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 2001–02.

Prerequisite: Permission of the instructor.

Biology 121a. Advanced Structure and Physiology of the Vertebrates

Catalog Number: 4049

Andrew A. Biewener and George V. Lauder

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

The purpose of this course is to introduce students to experimental techniques used in investigating the structure and physiology of vertebrates. Each instructor offers a list of research projects to be undertaken in his or her laboratory, and is prepared to supervise 5 students per instructor. The only formal class meetings are at the beginning (at which time the students outline their projects) and at the end when the project results are presented. An extensive commitment of time in the laboratory is required. The grade is based on the work completed, the oral presentation, and a short paper prepared as if it were to be submitted for publication in a professional journal.

Note: Laboratory safety session required.

Prerequisite: Biology 21 preferred, or permission of instructor.



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

Catalog Number: 4670

Andrew A. Biewener and George V. Lauder

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

Students may extend the initial project undertaken in Biology 121a into a thesis research project.

Note: Laboratory safety session required.

Prerequisite: Biology 121a.

Biology 123. Biology of Symbiosis

Catalog Number: 0508

Colleen M. Cavanaugh

Half course (fall term). Hours to be arranged. EXAM GROUP: 10, 11

An examination of the major aspects of endosymbiosis with emphasis on mutualism, although some parasitic interactions are covered. Topics include origins of the eukaryotic cell, specificity and recognition of partners, distribution and diversity of associations, and coevolution of host and symbiont.

Prerequisite: BS 1 or 50 and 2 or 51, and BS 11 or equivalent, or permission of instructor.

***Biology 130. Patterns and Processes in Fish Diversity**

Catalog Number: 4624 Enrollment: Limited to 10.

Karel F. Liem and George V. Lauder

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

As the largest and most diverse group of vertebrates, fishes inhabit virtually all aquatic environments including deep seas, intertidal zones, coral reefs, polar waters, the vast Amazonian basin, and great East Africa lakes. Some even exploit anoxic systems and temporary water bodies uninhabitable by other vertebrates. Moreover, a single fish species may occupy diverse environments through extraordinary long distance horizontal and vertical migratory strategies. To explore this unparalleled diversity, the course emphasizes bridging traditional academic boundaries with integrative analyses of the biology underlying rapid evolutionary radiations, stasis, and mass extinctions.

Prerequisite: BS 1 or 50, and 2 or 51, or permission of instructor.

[Biology 133. Biology of Mollusks]

Catalog Number: 0751

Kenneth J. Boss

Half course (spring term). Hours to be arranged. Field trips and laboratories to be arranged.

Predominantly an organismic approach to the biology of the Phylum Mollusca; surveys the diversity of marine, terrestrial, and fresh-water mollusks, including special aspects of current research in systematics, ecology, zoogeography, and paleontology.

Note: Expected to be given in 2001–02. BS 2 or 51 recommended, or permission of instructor required.

[Biology 135. The Biology, Biochemistry, and Physiology of the Skeletal System of Vertebrates]

Catalog Number: 1278 Enrollment: Limited to 30.

Melvin J. Glimcher (Medical School)



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

Topics include development of bone and cartilage as organs and as tissues; mechanisms for remodeling (including fracture repair and tissue and organ grafting); biochemical composition, structure, and ultrastructural organization of the inorganic mineral phase and its molecular and structural relationships to the constituents of the organic matrix; the primary, secondary, and higher-ordered structures of collagen and noncollagenous proteins of bone; general principles underlying the molecular mechanisms and calcification of bone and other mineralized biological tissue; the structure, chemical composition, and function of the articular cartilage; and the biomechanics and biochemistry of joint function; and the pathophysiology of bone and cartilage to illuminate the basic biology, chemistry, and physiology of these tissues and organs. Selected related topics in molecular biology, and the molecular basis of genetic abnormalities of the skeleton.

Note: Expected to be given in 2001–02.

Prerequisite: BS 2 or 51 and inorganic and organic chemistry, or permission of instructor.

[Biology 139. Evolution of the Vertebrates]

Catalog Number: 8562

A. W. Crompton and Farish A. Jenkins, Jr.

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

Concentrates on the major steps in vertebrate evolution and does not attempt a synoptic review of fossil vertebrates. Emphasis on the anatomical and physiological changes that occurred in the transitional stages leading to fish, amphibians, reptiles, birds, and mammals as well as the geographic locations and environment in which these groups originated.

Note: Expected to be given in 2001–02.

Prerequisite: BS 2 or 51, Biology 21, or equivalent.

Biology 149. Plant Ecology

Catalog Number: 2670

Fakhri A. Bazzaz

Half course (fall term). Tu., Th., 11:30–1; plus a two-hour discussion or laboratory session each week and occasional field trips. EXAM GROUP: 13, 14

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, 19 or permission of instructor.

[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 observed genetic variation within and between populations, and how these can serve as the basis for



inference about mutation, genetic drift, migration, natural selection, and population structure.

Note: Expected to be given in 2001–02.

Prerequisite: BS 53, calculus, and knowledge of statistics and probability.

[Biology 154. Theoretical Population and Community Ecology]

Catalog Number: 0244

William H. Bossert

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

Theoretical treatment of population dynamics, evolutionary ecology, and community organization. Includes discussion of population growth, life history adaptations, competition theory, foraging strategies, coevolution, community models, diversity and stability of communities, comparison of ecosystems (ordination).

Note: Expected to be given in 2001–02.

Prerequisite: Biology 19, BS 53 (formerly Biology 17), or equivalent; Mathematics 1a and 1b.

Biology 160. Forest Ecology

Catalog Number: 4369

David R. Foster

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

Plant community organization, structure, and dynamics focusing primarily on the forest vegetation of northeastern North America. Field studies emphasize the role of natural and anthropogenic disturbance in controlling the pattern of vegetation, methods of vegetation analysis, and historical methods of vegetation reconstruction.

Note: Includes two full weekend field trips to the Harvard Forest.

Prerequisite: BS 2 or 51 or permission of instructor.

[Biology 168. Life Cycles of Plants and Fungi]

Catalog Number: 2750

David A. Haig

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

A study of the diversity and evolution of plant, fungal, and algal life cycles, with an emphasis on interactions between the generations. Topics will include embryology, sexual differentiation, mating types, parent-offspring and intragenomic conflict.

Note: Expected to be given in 2001–02.

[Biology 174. Topics in Behavioral Biology]

Catalog Number: 5199 Enrollment: Limited to 20.

Naomi E. Pierce, David A. Haig, Marc D. Hauser, and Richard W. Wrangham

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

Major issues in behavioral biology are examined in this course, with topics to change each year. The evolution of cooperation will be the focus of the 2000 spring term. The evolution of both inter- and intra-specific cooperation will be considered, including topics such as the evolution of complex social behavior, intra-cellular symbiosis, mutualism, reciprocal altruism, Prisoner's Dilemma, and conflict resolution. The course will involve invited speakers and participation of professors across disciplines.

Note: Expected to be given in 2001–02.



Prerequisite: Biology 22, Anthropology 170, BS 25 or 80 or Science B-29 or permission of instructor.

Biology 187. Current Advances in Metazoan Diveristy and Evolution

Catalog Number: 3220

Gonzalo Giribet

Half course (spring term). Tu., Th., 11:30–1 and occasional laboratory sessions and field trips.

EXAM GROUP: 13, 14

Primarily for Graduates

Biology 200r. A.B./A.M. Laboratory Research

Catalog Number: 3696

William M. Gelbart and members of the Department

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

Open only to Advanced Standing Biology concentrators doing research as part of a combined A.B./A.M degree. To be taken in both the first and second semesters of the student's fourth year. Work may be directed by a member of the Biological Sciences departments (MCB: Molecular and Cellular Biology, and OEB: Organismic and Evolutionary Biology) or affiliates. Other research sponsors must be approved by the Biology Undergraduate Committee and require an MCB or OEB co-sponsor. All students must submit registration materials for Biology 200r at the time of enrollment. In the first semester, a written report of approximately 10 pages is due in duplicate in the Biology Undergraduate Office on the date indicated on the registration form. In the second semester, the honors thesis will be submitted on the date indicated on the registration form. All students enrolling in this course must submit a short thesis proposal prior to the first day of classes. The thesis proposal form is available in the Biology Undergraduate Office.

Note: Laboratory safety session required.

[Biology 208. Issues in Paleobiology: Seminar]

Catalog Number: 1344

Andrew H. Knoll, Stephen J. Gould, and Charles R. Marshall

Half course (spring term). 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 2001–02.

[*Biology 209. Phylogenetic Analysis: Seminar]

Catalog Number: 2534

David A. Baum

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

Methods for constructing and interpreting phylogenies. What phylogenies are, and how they may be inferred from molecular or morphological data. Hands-on experience of relevant software and discussion of the underlying assumptions of the main approaches. Methods for evaluating statistical robustness of phylogenetic hypotheses. Methods for utilizing phylogenies in evolutionary and comparative studies.



Note: Expected to be given in 2001–02. Background in probability and statistics highly recommended.

Biology 211r. Form, Function, and Evolution

Catalog Number: 2056

Karel F. Liem and guest lecturers

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

Intrinsic and extrinsic determinants of form, considered from the evidence of neontological studies of vertebrates. Emphasis on current research approaches and theories. Consists of a mixture of seminars by faculty, guest lecturers, and students. Topics vary from year to year and are determined by the interests of the students.

Biology 212r. Advanced Topics in Plant Physiology

Catalog Number: 2176

N. Michele Holbrook

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

A critical discussion of current research in plant physiology including measurement techniques, modeling, and experimental approaches.

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). W., 1–3. EXAM GROUP: 6, 7

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.

Prerequisite: BS 53 (formerly Biology 17 and 20), Biology 22 or equivalent, or permission of instructor.

[Biology 221. Bacterial Diversity]

Catalog Number: 1234

Colleen M. Cavanaugh

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

The remarkable diversity of prokaryotes is examined. Physiological, genetic, ecological, and evolutionary characteristics of bacterial groups are discussed, as well as the relation of phenotype to phylogeny.

Note: Expected to be given in 2001–02.

Prerequisite: BS 1 or 50 and 2 or 51, and BS 11 or equivalent, or permission of instructor.

Biology 224 (formerly Biology 143). Biology of the Fungi

Catalog Number: 1308



Donald H. Pfister

Half course (fall term). Hours to be arranged. EXAM GROUP: 12

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). First Class meeting will be February 6th at 1pm, subsequent class meetings to be arranged.

Examination of the new understanding of microbial activities and biodiversity in the environment resulting from the application of cellular and molecular techniques. Critical review and discussion of advances in studies of bacterial diversity and community structure in aquatic and terrestrial environments, uncultivable bacteria, symbiotic associations, microenvironments, and genetic and metabolic capabilities of microorganisms in their natural habitats.

Note: First Class meets T., 2/6 at 1p in Biolabs Rm 2062.

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., 2–5.

Reproduction of marine invertebrates.

Note: Weekly class meeting and several field trips and laboratories through course of term.

Independent projects required.

Biology 239r. Topics in Molecular Ecology and Evolution

Catalog Number: 8124

Stephen R. Palumbi

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

Focuses on the use of molecular genetic tools to illuminate current issues in ecology, population biology, and evolution. In even years, we will use the primary literature to explore a particular topic chosen by the course participants, including mating systems, population structure, genetic signatures of demographic history, etc. In odd years, the course will be a more basic exploration of the growing field of molecular ecology and be appropriate for advanced undergraduates.

Biology 245. Topics in Plants and Environments

Catalog Number: 1739

Fakhri A. Bazzaz

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

A discussion of recent advancements in research on plants in their environments. Presentations



of research proposals. Discussions on design and execution of field and laboratory experiments and readings and discussions of important recent papers.

Prerequisite: Biology 149, equivalent, or permission of instructor.

***Biology 251. Introduction to Vertebrate Surgery**

Catalog Number: 2075 Enrollment: Limited to 16.

Arthur L. Lage (Medical School)

Half course (fall term). W., 1–5. EXAM GROUP: 6, 7, 8, 9

Teaches students the basic principles of aseptic surgery with emphasis on practicality. Students learn basic “open” surgery as well as newer high tech videoscopic minimally invasive technique, obtaining hands-on experience in scrubbing, gowning, and sterile technique while serving as anesthetist and surgeon. Course covers surgical applications for a wide variety of species including biped and quadruped mammals, ruminant and non-ruminant mammals, birds, amphibians, and reptiles; students are expected to integrate their previously learned knowledge of anatomy and physiology into the context of the whole, living animal.

Note: Intended for the student interested in the application of surgical technique in higher studies in biology and related disciplines.

Prerequisite: Comparative Anatomy, Biology 21, or equivalent course.

Biology 252. Coalescent Theory

Catalog Number: 0118

John R. Wakeley

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

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: M., at 2; Spring: M., at 1. EXAM GROUP: Fall: 7; Spring: 6

Readings and discussion of primary literature in population and evolutionary genetics.

Biology 254. Genomic Imprinting and Parent-Offspring Conflict

Catalog Number: 9341

David A. Haig

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



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: Biology 19 and 118.

Biology 261. Seminar in Evolution and Development

Catalog Number: 8451

James Hanken and David A. Baum

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

Graduate seminar in evolution and development. This seminar will evaluate contemporary problems and issues in the field of evolutionary developmental biology. Weekly meetings will include student presentations based on assigned readings, plus occasional guest speakers. Examples will be drawn from both plants and animals.

[Biology 267. Topics in Symbiosis: Seminar]

Catalog Number: 3859

Colleen M. Cavanaugh

Half course (fall term). 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 2001–02.

***Biology 299r. Forest Practice and Research**

Catalog Number: 6128

David R. Foster

Half course (fall term; repeated spring term). Fall: Tu., Th., at 10; Spring: W., at 5. EXAM GROUP: Fall: 12

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 309. Plant Anatomy and Morphology**

Catalog Number: 4772

P. Barry Tomlinson 3712

***Biology 316. Plant Population Biology**

Catalog Number: 3863

Otto T. Solbrig 3197

***Biology 320. Biomechanics and Evolution of Vertebrates**

Catalog Number: 8915

George V. Lauder 2375

***Biology 321. Paleontology and Macroevoolutionary Theory**

Catalog Number: 5799

Stephen J. Gould 1707

***Biology 323. Advanced Vertebrate Anatomy**

Catalog Number: 8188

Farish A. Jenkins, Jr. 3558

***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

***Biology 343. Microbial Ecology and Symbiosis**

Catalog Number: 1288

Colleen M. Cavanaugh 2538

***Biology 345. Biological Oceanography**

Catalog Number: 4676

James J. McCarthy 4343 (on leave fall term)

***Biology 348. Plant Ecology**

Catalog Number: 2885

Fakhri A. Bazzaz 7926

***Biology 355. Evolutionary Developmental Biology**

Catalog Number: 9192

James Hanken 2719 (on leave fall term)

***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 361. Molecular Systematics and Development of Plants**

Catalog Number: 1985

David A. Baum 1218

***Biology 389. Population Biology and Evolution**

Catalog Number: 0680

Stephen R. Palumbi 2406 (on leave fall term)

***Biology 399 (formerly Biology 220). Topics in Organismic and Evolutionary Biology**

Catalog Number: 0764

George V. Lauder 2375

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

Presents the research interests and experiences of scientists in organismic and evolutionary



biology. Specific topics treated vary from year to year.

Note: Required of all first-year graduate students in Organismic and Evolutionary Biology.

Biological Sciences in 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*)
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
Leona D. Samson, Professor of Toxicology (*Public Health*)
Dyann F. Wirth, Professor of Tropical Public Health (*Medical School*, *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 (*Medical School*, *Public Health*) (*Chair*)
Joseph D. Brain, Cecil K. and Phillip Drinker Professor of Environmental Physiology (*Public Health*)
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
Myron E. Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
John B. Little, James Stevens Simmons Professor of Radiobiology (*Public Health*)
Bjørn R. Olsen, Harvard-Forsyth Professor of Oral Biology and Hersey Professor of Cell Biology (*Dental School*, *Medical School*)
Armen H. Tashjian, Jr., Professor of Toxicology, *emeritus* (*Public Health*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

***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*)
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*)
Bruce F. Dimple, Professor of Toxicology (*Public Health*)
Timothy E. Ford, Assistant Professor of Environmental Microbiology (*Public Health*)
Jeffrey J. Fredberg, Professor of Bioengineering and Physiology (*Public Health*)
Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
Marcia Goldberg, Associate Professor of Medicine (*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 (*Medical School*)
Donald A. Harn, Professor of Medicine (*Public Health*)
I-Cheng Ho, Assistant Professor of Medicine (*Medical School*)
David J. Hunter, Professor of Epidemiology (*Public Health*)
Phyllis J. Kanki, Professor of Pathobiology (*Public Health*)
Karl Kelsey, Professor of Occupational Medicine (*Public Health*) and Professor of Medicine (*Medical School*)
Lester Kobzik, Associate Professor of Pathology *Medical School* and Associate Professor in the Department of Environmental Health (*Public Health*)
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, Associate Professor of Virology (*Medical School*)
Carl G. Maki, Assistant Professor of Radiobiology (*Public Health*)
Joseph P. Mizgerd, Assistant Professor of Physiology and Cell Biology (*Public Health*)
Karl Münger, Associate Professor of Pathology (*Medical School*)
Joseph D. Paulauskis, Associate Professor of Molecular Biology (*Public Health*)
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*)
Frank M. Sacks, Professor of Medicine (*Medical School*) and Professor in the Department of Nutrition (*Public Health*)
Leona D. Samson, Professor of Toxicology (*Public Health*)
John C. Samuelson, Associate Professor of Tropical Public Health (*Public Health*) and Clinical



Fellow in Pathology (*Medical School*)

Robert H. Schiestl, Associate Professor of Toxicology (*Public Health*)

Steven A. Shea, Assistant Professor in the Department of Environmental Health (*Public Health*)
and Assistant Professor of Medicine (*Medical School*)

Stephanie A. Shore, Associate Professor of Physiology (*Public Health*)

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 (*Medical School, Public Health*)

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 206. Advanced Respiratory Physiology

Catalog Number: 1049

James N. Butler

Half course (fall term). M., W., 9–10:20.

Covers a broad range of topics in respiratory physiology including: lung structure, volume and flow mechanics, surfactant function, gas exchange, lung and chest wall interaction. Special topics may include pulmonary circulation, lung endocrine functions, airway physiology and pharmacology. Reviews classic concepts and presents some recent advances.

Note: Offered jointly with the School of Public Health as EH 223ab. Offered jointly with the Medical School as BPH 735.0.

Prerequisite: College-level physiology and EH 205ab or equivalent or signature of instructor indicating suitable background required.

BPH 207. Advanced Topics in Physiology

Catalog Number: 2146

Jeffrey J. Fredberg (Public Health) and Joseph D. Paulauskis (Public Health)

Half course (spring term). M., 10:30–12:20, W., 3:30–5:20. EXAM GROUP: 3, 4, 5, 8, 9

Focus on special topics in lung biology. Emphasis is on the fundamental physical basis and quantitative description of chemical, electrical, and mechanical signaling within the cell. Specific topics include passive diffusion, facilitated diffusion, solvent and solvent transport, channels, action potentials, membrane transport, and receptor ligand binding.

Note: Offered jointly with the Medical School as BPH 727.0, and with the School of Public Health as EH 225cd.



BPH 208. Human Physiology

Catalog Number: 3627

Robert B. Banzett (Medical School, Public Health) and members of the Department

Half course (fall term). M., W., 10:30–12:20.

An intensive introduction to the function of the human organism. Emphasis is placed on the concept of homeostasis and on integrative aspects of physiology. Examples of pathophysiology will be used to emphasize certain concepts. This course is mainly a lecture-based introductory course intended for students who have not had college-level physiology. Course activities: Problem sets, exams, periodic required laboratories.

Note: To encourage students with no biology background to take the course, we provide ten hours of extra lectures in basic biological concepts concurrent with the first two weeks of class. Offered jointly with the Medical School as BPH 728.0 and with the School of Public Health as EH 205ab.

Prerequisite: College level introductory biology or permission of the instructor is required.

BPH 210. Pathophysiology of Human Disease

Catalog Number: 3078

Lester Kobzik (Public Health)

Half course (spring term). M., F., 1:30–3:20.

Surveys common and important human disease problems in the major organ systems. Emphasis on understanding the pathophysiologic basis of typical disease manifestations and the pathogenesis of the disease process at a molecular and cellular level. Relevant public health perspectives on the epidemiology or control of disease are also integrated.

Note: Offered jointly with the Medical School as BPH 729.0, and with the School of Public Health as DBE 208cd.

Prerequisite: College-level physiology, EH 205ab, or equivalent.

[*BPH 212. Cellular and Molecular Biology of Parasites]

Catalog Number: 0703 Enrollment: Limited to 35.

John C. Samuelson and Guest Lecturers

Half course (spring term). One 3-hour session each week.

Covers aspects of biochemistry, cell and molecular biology of protozoan parasites of man (e.g. malaria, toxoplasma, leishmania, trypanosomes, amebae, giardia, and trichomonads). Includes discussions on mechanisms of pathogenesis, unique parasite biochemistry and organelles, molecular basis of antigenic variation, and population genetics.

Note: Expected to be given in 2001–02. Not to be given 2000-2001; offered in alternate years. Offered jointly with the Medical School as BPH 721.0 and with the School of Public Health as IMI 214a and IMI214b (formerly TPH 216cd).

Prerequisite: Suitable course in biochemistry, genetics, or microbiology required.

BPH 213. Cell Response to Mutagens and Carcinogens

Catalog Number: 0932

Bruce F. Demple (Public Health)

Half course (spring term). M., W., 1:30–3:20.

A seminar course based on emerging research on the molecular effects of mutagenic, carcinogenic, and cytotoxic agents. Particular focus on the cellular mechanisms that preserve



biological integrity (e.g., cell cycle checkpoints; DNA repair) or mediate cellular responses to stress (e.g., redox signal transduction; apoptosis pathways). Emphasis on critical analysis of research papers and active class participation. 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 250cd. Contact instructor at 432-3462.

Prerequisite: Advanced/graduate courses in biochemistry, cell biology, or genetics.

BPH 215. Principles of Toxicology

Catalog Number: 5366

Robert H. Schiestl (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20, Th., 3:30–5:30.

Introductory course emphasizing mechanisms of injury and clinical consequences following exposures to environmental and occupational chemicals. Actions are examined at the molecular, cellular, organ, and organismal levels. Methods for detection and evaluating toxic effects of environmental and industrial chemicals are discussed.

Note: Offered jointly with the Medical School as BPH 713.0 and with the School of Public Health as CCE 204ab.

Prerequisite: Biochemistry and Physiology courses are recommended; may be taken concurrently.

***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.

Covers in detail the interactions of pathogens with the host immune system, from pathogen invasion to pathogenesis. Lecture topics include: the role of secretory immune system; innate immunity mediated through the “collectins”; how pathogens regulate the host immune response; pathogen evasion of immune effect or mechanisms; polarization of CD4⁺ T helper cell subsets and relationship to disease outcome; co-infection with HIV and other pathogens; mechanisms of immunopathogenesis; and development of vaccines. Viral, bacterial and parasitic pathogens are covered in the course.

Note: To be given 2000-2001, offered in alternate years. Offered jointly with the HMS as BPH724.0 and the School of Public Health as IMI208cd. Each lecture requires reading several relevant papers and completion of a problem set.

Prerequisite: Course in immunology required.

***BPH 219. Biological Sciences Seminars**

Catalog Number: 1152

Michael Grusby (Medical School) and I-Cheng Ho (Medical School)

Half course (fall term). Tu., Th., 8:30–10:20 a.m.

Faculty participating in the Biology and Public Health degree program present seminars on their current research in the biological sciences and direct a student discussion of the logic and experimental design of this research. Topics include chemical and viral carcinogenesis, DNA damage and repair, immunology, molecular biology, metabolism, cardiovascular disease, parasitology, and how these areas apply to public health issues.



Note: Required for first-year students in the BPH program. Offered jointly with the School of Public Health as DBS 205ab.

BPH 222. The Science of Human Nutrition

Catalog Number: 0216

Frank M. Sacks, Clifford Lo (Medical School) and members of the Faculty

Half course (spring term). Tu., Th., 1:30–3:20.

Reviews the biochemistry of carbohydrates, fats, proteins, vitamins, and minerals in the context of human disease. Particular emphasis given to current knowledge of the mechanisms that may explain the role of diet in the causation and/or prevention of ischemic heart disease, diabetes, obesity, hypertension, and cancer. Recommended dietary intakes of selected nutrients are discussed in order to understand their limitations.

Note: NUT 201ab is strongly recommended; prior familiarity with nutrition and the health sciences is expected, as is a basic knowledge of biochemistry and human physiology. Offered jointly with the Medical School as BPH 733.0, and with the School of Public Health as NUT 202cd.

Graduate Courses of Reading and Research

***BPH 300r. Laboratory Rotations**

Catalog Number: 8441

Dyann F. Wirth (Medical School, Public Health) 2492

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 303. Transcriptional Regulation of Endothelial and Smooth Muscle Cell-Specific Genes**

Catalog Number: 2760

Arthur M.-E. Lee (Public Health, Medical School) 1620

***BPH 304. Study of Workplace Mutagen and Carcinogen Exposure**

Catalog Number: 2734

Karl Kelsey (Public Health, Medical School) 2316

***BPH 305. Molecular Mechanisms of Pulmonary Inflammation**

Catalog Number: 2676

Joseph D. Paulauskis (Public Health) 1305



***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 308. Genetic and Environmental Effects on Homologous and Illegitimate Recombination in Yeast, Human Cells, and Mice**

Catalog Number: 2735

Robert H. Schiestl (Public Health) 3391

***BPH 310. The Response of Bacterial, Yeast, and Mammalian Cells to DNA Damage**

Catalog Number: 2726

Leona D. Samson (Public Health) 1068

***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 (Medical School, Public Health) 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 (Medical School, 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 318. Mechanisms Underlying the Response of Leukocytes During Inflammatory Lung Disease**



Catalog Number: 7047

Claire M. Doerschuk (Public Health, Medical School) 2711

***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 (Medical School, Public Health) 1315

A series of discussion and seminars each running for a half semester (7-8 weeks). Two seminars, which can be taken in different semesters, are required for half course credit.

***BPH 331. Perception of Afferent Information from the Respiratory System**

Catalog Number: 3655

Robert B. Banzett (Medical School, Public Health) 1310

***BPH 332. Function and Structure of Pulmonary and Hepatic Macrophages**

Catalog Number: 7331

Joseph D. Brain (Public Health) 2520



***BPH 333. Nature, Prevalence, Health Effects, and Control of Airborne Biological Agents**

Catalog Number: 1556

Harriet A. Burge (Public Health) 2761

BPH 334. Molecular Basis of Host Cell Invasion, Signaling and Differentiation by the Human Pathogen, *Trypanosoma cruzi

Catalog Number: 2409

Barbara Burleigh (Public Health) 2763

***BPH 335. The Biology of Cytokines and the Control of Parasitic Infections**

Catalog Number: 9204

John R. David (Public Health, Medical School) 3592

***BPH 336. Study of Human and Primate T-lymphotrophic Retroviruses Including Agents that Cause AIDS**

Catalog Number: 3248

Myron E. Essex (Public Health) 2499

***BPH 337. Environmental Pollution, Waterborne Disease, Pathogen Survival**

Catalog Number: 5110

Timothy E. Ford (Public Health) 1525

***BPH 338. Sexual Differentiation of the Brain: Hormonal and Genetic Determinants**

Catalog Number: 4954

Thomas O. Fox (Medical School) 4542

***BPH 339. Mechanical Basis of Airway and Lung Parenchymal Function**

Catalog Number: 6572

Jeffrey J. Fredberg (Public Health) 1303

***BPH 340. Genetic Regulation of Immune Response**

Catalog Number: 3323

Laurie H. Glimcher (Public Health, Medical School) 1362

***BPH 341. Pathways of Oxidant-dependent Promotion of Cell Growth in Lung Epithelial Cells**

Catalog Number: 9308

Beatriz Susana Gonzalez-Flecha (Public Health) 2715

***BPH 342. In Vivo Models of Immune Deficiency by Homologous Recombination in ES Cells**

Catalog Number: 2309

Michael Grusby (Public Health, Medical School) 1987



***BPH 343. Molecular Mechanism of Cellular Circadian Regulation**

Catalog Number: 7740

J. Woodland Hastings 1311

***BPH 344. Differentiation and Activation of Helper T Cells**

Catalog Number: 2319

I-Cheng Ho (Medical School) 2764

***BPH 345. Lung Macrophage Differentiation and Function**

Catalog Number: 1495

Lester Kobzik (Medical School, Public Health) 1313

***BPH 346. Genetic Dissection of Mechanisms of Host Susceptibility to Tuberculosis**

Catalog Number: 1041

Igor Kramnik (Public Health) 2768

***BPH 347. Bacterial Pathogenesis, Virulence Gene Regulation, Salmonella Invasion**

Catalog Number: 0567

Catherine A. Lee (Medical School) 3259

***BPH 348. Human and Related Primate Retroviruses**

Catalog Number: 3024

Tun-Hou Lee (Medical School) 2769

***BPH 349. Transcriptional Regulation of Cardiovascular Development**

Catalog Number: 4817

Jeffrey Leiden (Public Health, Medical School) 2771

***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 356. Immunology and Molecular Biology of Filarial Nematodes**

Catalog Number: 1435

Willy F. Piessens (Public Health, Medical School) 2779

***BPH 357. Physiological and Pharmacological Aspects of Bronchoconstriction.**

Catalog Number: 5047

Stephanie A. Shore (Public Health) 1304

***BPH 358. Human Immunodeficiency Virus Envelope Glycoproteins and Vaccine Development**

Catalog Number: 0241

Joseph G. Sodroski (Medical School, Public Health) 1712

***BPH 359. Relations of Dietary Factors to the Occurrence of Human Disease**

Catalog Number: 8215

Walter C. Willett (Public Health, Medical School) 1805

***BPH 360. DNA Replication and Control of Normal and Abnormal Cell Growth**

Catalog Number: 1395

Dieter Wolf (Public Health) 2781

***BPH 361. Genetic Dissection of Complex Diseases**

Catalog Number: 1537

Xiping Xu (Public Health, Medical School) 2785

***BPH 362. Delineation of Biochemical and Molecular Basis of Stress Induced Responses**

Catalog Number: 4140

Zhi-Min Yuan (Public Health) 9265

***BPH 363. Inherited Susceptibility to Cancer and other Diseases**

Catalog Number: 9066

David J. Hunter (Public Health) 3844



Biophysics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Biophysics

James M. Hogle, Edward S. Harkness Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Chair*)
Howard C. Berg, Professor of Molecular and Cellular Biology and Professor of Physics (*on leave 2000-01*)
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*)
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
Mara Prentiss, Professor of Physics
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Gregory L. Verdine, Professor of Chemistry, Associate of Pforzheimer House
Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Don C. Wiley, John L. Loeb Professor of Biochemistry and Biophysics, Tutor in Biochemical Sciences (*on leave 2000-01*)

Other Faculty Offering Instruction in Biophysics

John A. Assad, Assistant Professor of Neurobiology (*Medical School*)
Frederick Ausubel, Professor of Genetics (*Medical School*)
William H. Bossert, David B. Arnold, Jr. Professor of Science
Daniel Branton, Higgins Research Professor of Biology
Lewis C. Cantley, Professor of Cell Biology (*Medical School*)
David E. Clapham, Professor of Neurobiology (*Medical School*)
Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)
R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)
Bruce F. Demple, Professor of Toxicology (*Public Health*)
John E. Dowling, Harvard College Professor and Llura Gund Professor of Neurosciences
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, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Walter Gilbert, Carl M. Loeb University Professor (*on leave 2001-2002*)
 David E. Golan, Associate Professor of Medicine and Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Edward E. Harlow, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Stephen C. Harrison, Higgins Professor of Biochemistry and Molecular Biology
 J. Woodland Hastings, Paul C. Mangelndorf Professor of Natural Sciences
 Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)
 Nancy Kleckner, Herchel Smith Professor of Molecular Biology
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Stuart A. Lipton, Associate Professor of Surgery (Neuroscience) (*Medical School*)
 Tom Maniatis, Thomas H. Lee Professor of Molecular and Cellular Biology
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 Matthew Meselson, Thomas Dudley Cabot Professor of the Natural Sciences
 Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)
 Timothy J. Mitchison, Hasib Sabbagh Professor of Cell Biology (*Medical School*)
 Tom Rapoport, Professor of Cell Biology (*Medical School*)
 Frederick P. Roth, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Gary B. Ruvkun, Professor of Genetics (*Medical School*)
 Bruce J. Schnapp, Associate Professor of Cell Biology (*Medical School*)
 Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
 Brian Seed, Professor of Genetics (*Medical School*)
 Pamela A. Silver, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Jack L. Strominger, Higgins Professor of Biochemistry
 Jack Szostak, Professor of Genetics (*Medical School*)
 Thomas Walz, Assistant Professor of Cell Biology (*Medical School*)
 James C. Wang, Mallinckrodt Professor of Biochemistry and Molecular Biology (*on leave spring term*)
 George M. Whitesides, Mallinckrodt Professor of Chemistry and Chemical Biology
 Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology
 Gary I. Yellen, Professor of Neurobiology (*Medical School*)

Biophysics students should consult course listings from the departments of Biology, Chemistry, Physics, Molecular and Cellular Biology (formerly) Biochemistry and Molecular Biology, the Division of Engineering and Applied Sciences, and the Division of Medical Sciences.

For Undergraduates and Graduates

Biophysics 101. Genomics and Computational Biology

Catalog Number: 6896

George M. Church (*Medical School*)

Half course (*fall term*). Tu., 12–2; Tu., 5:30–7:30 p.m. EXAM GROUP: 14, 15



This course will assess 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 will 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 will emphasize creative, hands-on analyses using these concepts.

Prerequisite: Basic understanding of molecular biology, statistics, and computers.

[Biophysics 164r (formerly Biophysics 151r). Molecular Biophysics and Biophysical Chemistry: Simulation of Macromolecules]

Catalog Number: 7317 Enrollment: Limited to 18. Limited to 18.

Eugene I. Shakhnovich

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

Introduction to the principles and methods used for the simulation of macromolecules of biological interest. Protein conformation and dynamics are emphasized. Empirical energy and molecular dynamics calculations as well as other approaches are described. Specific problems are discussed to illustrate the methodology. Examples include the cooperative mechanism of hemoglobin, protein folding predictions, the nature of reaction rate enhancement in enzyme catalysis, motional properties of proteins, simulations of free energy changes in mutations, molecular recognition, and the properties of binding sites. The laboratory introduces students to molecular graphics and to simulation methodology. During reading period, each student carries out an original research project that makes use of the techniques.

Note: Expected to be given in 2001–02. Offered in alternate years. It is suggested that students enroll in Chemistry 164 when this course is bracketed. Cannot be taken for credit by students who have completed Chemistry 164.

Prerequisite: Biological Sciences 11 or 54 and one of the following: Chemistry 160, MCB 61, Physics 143, or permission of instructor.

Cross-listed Courses

[Biology 152. Population Genetics]

[Biology 154. Theoretical Population and Community Ecology]

Chemistry 160. Physical Chemistry

Chemistry 170. Chemical Biology

Engineering Sciences 145. Introduction to Systems Analysis with Physiological Applications

Engineering Sciences 148. Neural Signal Processing

Engineering Sciences 149. Muscles, Reflexes, and Locomotion

[MCB 112. Structure and Function of Proteins and Nucleic Acids]

[*MCB 113. Principles of Genetic Analysis]

[MCB 129. Molecular Genetics of Neuronal Development]

MCB 138. Function of Neural Systems

***MCB 155. Molecular Mechanisms of Gene Control**

MCB 169. Molecular and Cellular Immunology

[MCB 176. Membrane Structure and Function]



**[MCB 177. Macromolecular Assemblies in Genetic Processes]
Mathematics 115. Methods of Analysis and Applications**

Primarily for Graduates

Biophysics 242r (formerly Biophysics 242). Special Topics in Biophysics

Catalog Number: 6011

David E. Clapham (Medical School) and Members of the Committee

Half course (spring term). M., 10–12, F., 2–4. EXAM GROUP: 3, 4, 7, 8

This year the focus will be on New Biology through Physics; Molecular Discoveries with Light. Directed by Dr. David E. Clapham, the course will include topics such as the nature of photons, multiphoton microscopy, fluorescence reporters of single molecules, single photon generation, quantum dots, surface plasmon resonance, and atomic force microscopy.

Cross-listed Courses

Applied Mathematics 201. Complex Function Theory with Applications

Applied Mathematics 202. Partial Differential and Integral Equations

BCMP 201. Proteins: Structure, Function and Catalysis

BCMP 228. Macromolecular Crystallography and NMR

Cell Biology 201. Molecular Biology of the Cell

Chemistry 240. Statistical Mechanics

Chemistry 242. Quantum Mechanics

Chemistry 245. Single-molecule Biophysics

Genetics 201. Principles of Genetics

[MCB 212. Topics in Biophysics]

Graduate Courses of Reading and Research

***Biophysics 300r. Introduction to Laboratory Research**

Catalog Number: 7509

James M. Hogle (Medical School) 2943 and staff

Half course (fall term; repeated spring term). M., W., F., 4:30–5:30.

Introductory lectures by faculty members associated with the Biophysics program. Lectures are accompanied by three periods of instruction in laboratories of structural molecular biology, cell and membrane biophysics, molecular genetics and development, and physical biochemistry. Students normally spend each laboratory period in a different field. It is possible to undertake a suitable problem in mathematical biophysics in place of one of the three fields.

***Biophysics 302. Molecular Biology**

Catalog Number: 8772

Walter Gilbert 1306 (on leave 2001-2002)

***Biophysics 303. NMR Studies of Protein Structure and Mobility**

Catalog Number: 6135

Gerhard Wagner (Medical School) 2626



***Biophysics 309. Motile Behavior of Bacteria**

Catalog Number: 2070

Howard C. Berg 1377 (on leave 2000-01)

***Biophysics 310. Structural Molecular Biology**

Catalog Number: 7980

Don C. Wiley 3598 (on leave 2000-01)

***Biophysics 311. Digital Computer Applications in Biophysics**

Catalog Number: 7606

William H. Bossert 1049

***Biophysics 314. Structure of Viruses and Viral Proteins**

Catalog Number: 0687

James M. Hogle (Medical School) 2943

***Biophysics 315. Structural Molecular Biology**

Catalog Number: 2805

Stephen C. Harrison 3597

***Biophysics 317. Biophysical Aspects of the Visual System**

Catalog Number: 4770

John E. Dowling 3545

***Biophysics 318. Mechanisms of Circadian Rhythms, Bioluminescence**

Catalog Number: 4699

J. Woodland Hastings 1311

***Biophysics 319. Molecular Immunology**

Catalog Number: 3500

Jack L. Strominger 1193

***Biophysics 321. Molecular and Cellular Genetics**

Catalog Number: 7297

Nancy Kleckner 4697

***Biophysics 322. Theoretical Studies of the Structure, Functions, and Dynamics of Molecules of Biological Interest**

Catalog Number: 6525

Martin Karplus 1361

***Biophysics 323. Molecular Oncology**

Catalog Number: 8284

Edward E. Harlow (Medical School) 2863



***Biophysics 327. Molecular Genetics**

Catalog Number: 4202

Frederick Ausubel (Medical School) 4639

***Biophysics 328. X-Ray Crystallographic Studies of Macromolecular Structures**

Catalog Number: 4010

Christin A. Frederick (Medical School) 2614

***Biophysics 329. Chromosome and Genome Organization**

Catalog Number: 4437

George M. Church (Medical School) 1608

***Biophysics 331. Macromolecular Assemblies in DNA Transactions**

Catalog Number: 6708

James C. Wang 4870 (on leave spring term)

***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 and Development; Molecular Evolution**

Catalog Number: 3602

Tom Maniatis 7231

***Biophysics 337. Membrane Structure and Function**

Catalog Number: 1800

Keith W. Miller (Medical School) 4124

***Biophysics 338. Molecular Biology and Enzymology**

Catalog Number: 4755

Bruce F. Demple (Public Health) 7853

***Biophysics 340. Membrane Organization and Protein-Protein Interactions in the Membrane Skeleton**

Catalog Number: 7506

Daniel Branton 4139

***Biophysics 341. Structure and Function of Ligand-Gated Ion Channels**

Catalog Number: 7567

Jonathan B. Cohen (Medical School) 1120



***Biophysics 343. Theory of Protein Folding and Design**

Catalog Number: 6947

Eugene I. Shakhnovich 3147

***Biophysics 344. Structure, Function and Evolution of RNA**

Catalog Number: 6277

Jack Szostak (Medical School) 7096

***Biophysics 346. Protein Secretion; DNA Gyrase Inhibitors**

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. Structures of DNA Repair Enzymes and Transcription Factors**

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. Protein-Nucleic Acid Interactions**

Catalog Number: 4420

Gregory L. Verdine 1980

***Biophysics 355. Intracellular Signal Transduction**

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 357. Molecular Genetics and Molecular Evolution**

Catalog Number: 6925

Matthew Meselson 1319

***Biophysics 359. Vesicular Transport; Molecular Motors**

Catalog Number: 7012

Bruce J. Schnapp (Medical School) 2948

***Biophysics 360. Enzymatic Reaction and Signal Transduction Mechanisms**

Catalog Number: 7053

Christopher T. Walsh (Medical School) 2036

***Biophysics 361. Molecular Pharmacology; Biosurface Chemistry; Virology**

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

Half Course

***Biophysics 365. Visual Processing in Primates**

Catalog Number: 8145

John A. Assad (Medical School) 2985

Business Studies



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Business Studies

George P. Baker, Professor of Business Administration (*Business School*)

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

Pankaj Ghemawat, Jaime and Josefina Chua Tiampo Professor of Business Administration (*Business School*) (*Chair*)

George P. Baker, Professor of Business Administration (*Business School*)

John Y. Campbell, Otto Eckstein Professor of Applied Economics

Oliver S. Hart, Andrew E. Furer Professor of Economics

Paul Murray Healy, James R. Williston Professor of Business Administration (*Business School*)

Guy L. Reed III, Associate Professor of Medicine (*Medical School*) and Associate Professor of Immunology (*Public Health*)

Alvin E. Roth, George Gund Professor of Economics and Business Administration

Subcommittee on the Degree of Doctor of Philosophy in Information Technology and Management

Marco Iansiti, Professor of Business Administration (*Business School*) (*Co-chair*)

H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*Co-chair*)

George P. Baker, Professor of Business Administration (*Business School*)

Paul Murray Healy, James R. Williston Professor of Business Administration (*Business School*)

John W. Hutchinson, Gordon McKay Professor of Applied Mechanics (*on leave fall term*)

Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science

David Mark Upton, Albert J. Weatherhead III Professor of Business Administration (*Business School*) (*Acting Chair*)

Subcommittee on the Degree of Doctor of Philosophy in Organizational Behavior

Aage B. Sørensen, Professor of Sociology, Associate of the Leverett House Senior Common Room (*Chair*) (*on leave 2000-01*)

Teresa M. Amabile, Edsel Bryant Ford Professor of Business Administration (*Business School*)

Daniel T. Gilbert, Professor of Psychology

J. Richard Hackman, Cahners-Rabb Professor of Social and Organizational Psychology

Jay W. Lorsch, Louis E. Kirstein Professor of Human Relations (*Business School*)

Peter V. Marsden, Professor of Sociology

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 Deans Office, Byerly Hall, 8 Garden Street and at HBS Doctoral Program Office, Sherman Hall. The guide is available at the following web site and is distributed at FAS Registration. www.hbs.edu/doctoral

Primarily for Graduates

Business Studies 2000ab. Management and Markets: Human Behavior, Organizational Economics and Strategy

Catalog Number: 5800 Enrollment: Limited to 36.

George P. Baker (Business School) and members of the HBS faculty.

Half course (fall term). M., W., F., 12:30–2. EXAM GROUP: 5, 6

This course will cover theories of human motivation and human interaction from numerous perspectives. It will include psychological, sociological, and economic theories of motivation, as well as normative and positive theories of decision making. It will also cover the foundations of corporate strategy and organizational design as informed by industrial and organizational economics; it will examine how firms organize to create value through interactions with product markets, factor markets, and labor markets. Agency theory, transaction cost economics, game theory, and the economics of information will form the analytical core.

Note: Offered jointly with the Business School as 4001/4002.

Business Studies 2000cd. Management and Markets: Administration and Finance

Catalog Number: 3946

George P. Baker (Business School) and members of the HBS faculty

Half course (spring term). M., W., F., 12:30–2. EXAM GROUP: 5, 6

The first part of this course will expose students to the classic works in administrative theory, as well as more recent work on organizational processes, the management of change and the management of technology. In the second part, we will look at the functioning of modern capital markets, and the interactions of firms within this market. Topics will include the theory of efficient markets, portfolio choice and asset pricing, basic corporate finance, empirical evidence of market imperfections, corporate governance and the role of the market for corporate control

Note: Jointly offered with the Business School as 4003/4004.

Business Studies 2110. The Economics of Business Strategy

Catalog Number: 2784 Enrollment: Limited to 36.

Pankaj Ghemawat and Kenneth S. Corts (Business School)

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

This new course will focus on the application of contemporary thinking about microeconomics and, particularly, industrial organization, to business strategy. The perspective taken, however, will emphasize issues associated with business administration and research in that area.



Note: Offered jointly with the Business School as 4110.

Prerequisite: Economics 2010a, or the equivalent.

Business Studies 2120. Game Theory

Catalog Number: 8305

Adam Brandenburger (Business School)

Half course (spring term). Th., F., 2–3:30. EXAM GROUP: 7, 8, 16, 17

This is a new course on game theory, designed for doctoral students interested in the nature of the theory itself and in its applications. Game theory studies competitive and cooperative behavior in strategic environments, where the fortunes of several players are intertwined. It provides methods for identifying optimal strategies and predicting the outcome of strategic interactions. We will develop the basic tools of game theory through exercises, discussions, lectures, and readings.

Note: Offered jointly with the Business School as 4120.

Business Studies 2130. Institutional Foundations of Capitalism

Catalog Number: 3619

David Abraham Moss (Business School) and I J Alexander Dyck (Business School)

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

This new course is intended for students interested in examining the institutional foundations of a market economy and in exploring new approaches to institutional research. The class will meet weekly for approximately 13 weeks. In just over half of these sessions, leading scholars from a variety of related disciplines will deliver papers to faculty and students in a conventional (two-hour) seminar format and then meet exclusively with students for an additional hour. This year we will focus on institutions of corporate governance and risk management.

Note: 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). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This is a new course, designed as an introduction to the economics of information and networks supplemented by how firms design information products and how organizations distribute and generate information. It covers four major topics: (1) concepts of information and how to measure it, (2) how individual rational actors use information and make choices under uncertainty, (3) how information goods differ from tangible goods, and (4) how different governance mechanisms affect information creation and distribution.

Note: Offered jointly with the Business School as 4140.

Prerequisite: Economics 2010, 2020 or the equivalent; can be taken concurrently. Knowledge of multivariate calculus and basic principles of computer science.

[Business Studies 2310. Policy and Management: Theory and Application]

Catalog Number: 9281

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 2001–02. Offered jointly with the Business School as 4310.

***Business Studies 2450. The Professional Practice of Organizational Research: Writing, Reviewing, and Publishing**

Catalog Number: 1375

Robin J. Ely (Business School)

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

This course is designed for doctoral students interested in learning about the professional practice of writing, reviewing, and publishing organizational research. Making transparent the too-often seemingly mysterious journal reviewing process, we will follow a series of now-published papers from their initial submission to a refereed journal, through the revise-and-resubmit stage, to final submission and acceptance. These papers and the process surrounding their publication will serve as the primary pedagogical tool in the course.

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

The theme will be Entrepreneurship in History 1850 to the Present, with an emphasis on the period since 1925. Graduate students taking this seminar for credit will be required to write a research paper.

Note: Offered jointly with the Business School as 4810.

Graduate Courses of Reading and Research

***Business Studies 3000. Direction of Doctoral Dissertations**

Catalog Number: 6863

George P. Baker (Business School) 3834, Adam M. Brandenburger (Business School) 2177 (spring term only), Richard E. Caves 1414, Pankaj Ghemawat (Business School) 234 (fall term only), and Paul Murray Healy (Business School) 3838

Cross-listed Courses

***Economics 2020a. Microeconomic Theory I**

***Economics 2020b. Microeconomic Theory II**

Economics 2040. Experimental Economics

Economics 2727 (formerly Economics 2427). Topics in Empirical Corporate Finance

Economics 2730 (formerly Economics 2430). Asset Pricing II

Psychology 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, fall and spring terms; Director of Graduate Studies, spring term only)

Barbara L. Hillers, Assistant Professor of Celtic Languages and Literatures (on leave fall term)

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (Director of Graduate
Studies) (on leave spring term)

Dan M. Wiley, Lecturer on Celtic Languages and Literatures (spring term only)

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). M., W., (F.), at 2. EXAM GROUP: 7

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 omitted in 2001–02. Knowledge of Irish helpful but not required; all texts will be available in English translation.

[Celtic 114. Early Irish Historical Tales]

Catalog Number: 0781

Tomás Ó Cathasaigh

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

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 2001–02.

Celtic 115. Kingship in Pre-Norman Ireland

Catalog Number: 8695

Dan M. Wiley

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

A multi-disciplinary study of kingship in pre-Norman Ireland. Topics include the political history of Ireland 431-1171; archaeology of royal sites; and the portrayal of kingship in Old and Middle Irish literature.

Note: Expected to be omitted in 2001–02.

Celtic 124. Modern Irish Literature

Catalog Number: 7084

Barbara L. Hillers

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

A survey of 20th-century prose and poetry in Irish, from its partisan beginnings to the work of acclaimed authors. We shall look at a few of the more important novels, and particularly at short stories by Ó Conaire, Ó Flaithearta, and Ó Cadhain. Poetry came into its own in the second half of the 20th century with such outstanding poets as Máirtín Ó Direáin and Seán Ó Ríordáin, and we shall finish our survey with the contemporary poetry of Nuala Ní Dhomhnaill and others.

Note: Expected to be omitted in 2001–02. Knowledge of Irish helpful, but not required. All texts will be made available in English.

[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 2001–02. 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 2001–02.

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). M., W., F., at 10. EXAM GROUP: 3

An introduction to the spoken and written language.

Note: Expected to be omitted in 2001–02. 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). M., W., F., at 10. EXAM GROUP: 3

A continuation of the fall term course.

Note: Expected to be omitted in 2001–02.

Prerequisite: Celtic 130 or equivalent.

***Celtic 132. Introduction to Modern Irish**

Catalog Number: 6725 Enrollment: Limited to 15.

Barbara L. Hillers and others

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

Introduction to 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 (spring term). M., W., (F.), at 2. EXAM GROUP: 7

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 2001–02. Knowledge of Welsh helpful but not required; all readings will be available 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 relevant 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. All materials read in translation.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3686.

[Celtic 160. Advanced Modern Irish]

Catalog Number: 0704

Barbara L. Hillers

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

Reading, listening, and speaking, with grammatical study, geared to the interests and aptitudes of the participants.

Note: Expected to be given in 2001–02. 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). M., W., F., at 11. EXAM GROUP: 4

Intensive study of selected topics in Modern Irish.

Note: Expected to be given in 2001–02.

Prerequisite: Celtic 160 or permission of instructor.

Celtic 182. Modern Welsh Literature

Catalog Number: 1653

Patrick K. Ford

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

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 2001–02. All works read in Welsh.

Celtic 184. Early Irish Literature

Catalog Number: 2150

Tomás Ó Cathasaigh

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

A survey of scholarly and critical work on *The Táin* together with a close reading of parts of



Recension I.

Note: Expected to be omitted in 2001–02.

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 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 3. EXAM GROUP: 8

An introduction to the language of the 8th and 9th centuries, with elementary readings in prose texts.

Note: Expected to be given in 2001–02. It is suggested that this course be followed by Celtic 201.

[Celtic 201. Continuing Old Irish]

Catalog Number: 6073

Tomás Ó Cathasaigh

Half course (spring term). M., W., F., at 3. EXAM GROUP: 8

Further grammatical study, with continued reading of saga texts.

Note: Expected to be given in 2001–02.

Prerequisite: Celtic 200 or permission of the instructor.

Celtic 203r. Middle Irish

Catalog Number: 1062

Dan M. Wiley

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

An introduction to Middle Irish (900-1200) together with a close reading of *Aislinge meic Con Glinne*.

Note: Expected to be omitted in 2001–02.

[Celtic 204r. Readings in Early Irish Poetry]

Catalog Number: 8493

Tomás Ó Cathasaigh

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

Readings in *Early Irish Lyrics*.

Note: Expected to be given in 2001–02.

Prerequisite: Celtic 200 or permission of the instructor.



Celtic 205r. Readings in Early Irish Prose

Catalog Number: 2705

Tomás Ó Cathasaigh

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

A reading of *Orgain Denna Ríg*.

Note: Expected to be omitted in 2001–02.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 208. Early Irish Society]

Catalog Number: 1359

Tomás Ó Cathasaigh

Half course (fall 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 given in 2002–03.

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 2001–02. 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 2001–02.

Prerequisite: Celtic 225a or permission of instructor.

[Celtic 226r. Readings in Middle Welsh]

Catalog Number: 2796

Patrick K. Ford

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

Readings in the poems of Dafydd ap Gwilym.

Note: Expected to be given in 2002–03.

Prerequisite: Celtic 225b or permission of the instructor.

[Celtic 227. Welsh Bardic Poetry: Seminar]

Catalog Number: 2580

Patrick K. Ford

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

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 2001–02.

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

Readings in the chronicle of Elis Gruffydd, with special attention to the reign of Llywelyn Fawr.

Ancillary sources, such as the Welsh *Brutiau* and genealogies, may be used as well.

Note: Expected to be given in 2002–03.

Prerequisite: Knowledge of Middle Welsh or permission of the instructor.

Graduate Courses of Reading and Research

***Celtic 300. Reading and Research**

Catalog Number: 5614

Patrick K. Ford 2921, Barbara L. Hillers 3342, Tomás Ó Cathasaigh 1224 (on leave spring term) (fall term only), Calvert Watkins 2553, and Dan M. Wiley 3719 (spring term only)

***Celtic 305. Preparation of Doctoral Dissertation**

Catalog Number: 0375

Patrick K. Ford 2921, Tomás Ó Cathasaigh 1224 (on leave spring term), 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

William Klemperer, Erving Professor of Chemistry (*Chair*)

John M. Doyle, Professor of Physics (*on leave spring term*)

Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry

Eric J. Heller, Professor of Chemistry and Physics

Dudley R. Herschbach, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)

David R. Reichman, Assistant Professor of Chemistry and Chemical Biology, Associate of Adams House

Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology



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 Ph.D. may be carried out under the direction of members of the departments of Chemistry, Physics, Astronomy, and the Division of Engineering and Applied Sciences who have interests in chemical physics. Specific information may be obtained from any member of the committee and from the Department of Chemistry Information Office.

Other Faculty Offering Instruction in Chemical Physics

Alexander Dalgarno, Phillips Professor of Astronomy
Cynthia M. Friend, Theodore William Richards Professor of Chemistry (*on leave spring term*)
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
Eric Mazur, Harvard College Professor, Gordon McKay Professor of Applied Physics and Professor of Physics
Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences
Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy and Professor of Applied Physics
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate of the Harvard Forest

Chemistry and Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Chemistry and Chemical Biology

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry (*Chair*) (*on leave fall term*)
James E. Davis, Senior Lecturer on Chemistry and Chemical Biology and Molecular and Cellular Biology (*Head Tutor*)
David A. Evans, Abbott and James Lawrence Professor of Chemistry
Bretislav Friedrich, Lecturer on Chemistry and Chemical Biology
Cynthia M. Friend, Theodore William Richards Professor of Chemistry (*on leave spring term*)
Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry
Eric J. Heller, Professor of Chemistry and Physics



Dudley R. Herschbach, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)
Richard H. Holm, Higgins Professor of Chemistry
Eric N. Jacobsen, Harvard College Professor and the Sheldon Emery Professor of Chemistry
William Klemperer, Erving Professor of Chemistry
Jeremy R. Knowles, Amory Houghton Professor of Chemistry and Biochemistry and Dean of the Faculty of Arts and Sciences
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
David R. Liu, Assistant Professor of Chemistry and Chemical Biology
Andrew G. Myers, Professor of Chemistry and Chemical Biology
Hongkun Park, Assistant Professor of Chemistry and Chemical Biology
Garry Procter, Lecturer on Chemistry and Chemical Biology
David R. Reichman, Assistant Professor of Chemistry and Chemical Biology, Associate of Adams House
Stuart L. Schreiber, Morris Loeb Professor of Chemistry and Chemical Biology
Matthew D. Shair, Assistant 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, Professor of Chemistry, Associate of Pforzheimer House
George M. Whitesides, Mallinckrodt Professor of Chemistry and Chemical Biology
Claude Wintner, Visiting Scholar in Chemistry and Chemical Biology, Visiting Professor of Chemistry and Chemical Biology (*Haverford College*)
Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology

Affiliates of the Department

Stephen C. Harrison, Higgins Professor of Biochemistry and Molecular Biology
David R. Nelson, Mallinckrodt Professor of Physics and Professor of Applied Physics (*on leave 2000-01*)
Don C. Wiley, John L. Loeb Professor of Biochemistry and Biophysics, Tutor in Biochemical Sciences (*on leave 2000-01*)

Depending on their prior preparation, students will choose one of three possible entries to studies in this Department. Students with an average or weak background in chemistry should enroll in Chemistry 5 and 7; students with a strong background in chemistry should enroll in Chemistry 10; students with outstanding chemical preparation may enroll at once in Chemistry 17 or 20. Most well prepared students who wish to pursue honors level concentration in chemistry or closely allied fields will elect the (10)+20+30+40+135 track. Others who start with 5+7+17+27 may join the other track by taking 135 and 40. Most students of life sciences, especially those preparing for medical school, will take 5+7 or 10 followed by 17 and 27. Students may not take both Chemistry 17 and 20 for credit. Since there is little or no overlap in content between Chemistry 27 and 30, students interested in a strong background in both bio-organic and theoretical organic chemistry may take both courses. The Science A Core requirement may be satisfied by taking any one of Chemistry 5, 7, 10, 17, or 20.

Certain courses in biochemistry and biophysics are listed under Molecular and Cellular Biology or Biophysics (see cross-listings at end of middle group course section.) The Division of



Engineering and Applied Sciences, the Department of Physics, and the Department of Earth and Planetary Sciences also list a number of courses of interest to chemists.

Primarily for Undergraduates

Because of the sequence of prerequisites for chemistry courses, the Department strongly recommends some work in mathematics as well as chemistry in the first year. Freshmen contemplating this program are urged to consult a member of the Chemistry Department in planning their work for the first year. Advice may be obtained in the Head Tutor's Office, Science Center 114.

Chemistry 5. Introduction to Principles of Chemistry

Catalog Number: 7171

James E. Davis

Half course (fall term). M., W., F., at 9, one hour per week of discussion, and three hours per week of laboratory. EXAM GROUP: 2

Introduction to the structure and properties of atoms, molecules, and ions, stoichiometry; thermochemistry; electronic structure of atoms; periodic properties of the elements; chemical bonding; molecular geometry and bonding theories; gases; intermolecular forces, liquids, and solids; properties of solutions.

Note: Chemistry 5–7 is the mainstream general chemistry sequence for students with typical high school chemistry backgrounds (one year) or for students with no previous study of chemistry. Calculus is not necessary for Chemistry 5, but a strong background in high school algebra is essential. Students who lack this algebra background should take Math Ar or Math Xa before attempting Chemistry 5. Students with very strong high school chemistry backgrounds may enroll instead in Chemistry 10, 17, or 20; see those course descriptions for details.

Chemistry 7. Principles of Chemistry

Catalog Number: 5118

Roy G. Gordon and Charles M. Lieber

Half course (spring term). M., W., F., at 9, one hour per week of discussion, and three hours per week of laboratory. EXAM GROUP: 2

Evolution of the elements; nuclear chemistry; rates and mechanisms of chemical reactions; chemical kinetics; chemical equilibrium; acids and bases; additional aspects of aqueous equilibria; instrumental analysis; chemistry of the environment; chemical thermodynamics; electrochemistry; modern materials; chemistry of the nonmetals; metals and metallurgy; chemistry of coordination compounds; the chemistry of life.

Prerequisite: Chemistry 5 or equivalent, in particular: chemical equilibrium, the first and second law of thermodynamics, and elements of acid-base chemistry. A few simple operations of the calculus are developed and used. Fluency in precalculus secondary school mathematics is assumed. Exposure to secondary school physics will be helpful.

Chemistry 10. Accelerated Course: Foundations of Chemistry

Catalog Number: 1376

Dudley R. Herschbach and Eugene I. Shakhnovich

Half course (fall term). Lectures M., W., F., at 9, discussion section, and laboratory work averaging four hours a week, to be arranged. EXAM GROUP: 2



Physical principles in chemistry: atomic and molecular structure, thermodynamics, and chemical kinetics. Applications to reaction equilibria and mechanisms; electrochemistry; photochemistry; environmental chemistry, life sciences and materials chemistry; selected commonplace, exotic, and poetic phenomena. Laboratory work stresses the principles and techniques of quantitative chemistry.

Note: Open to students with strong secondary school courses in chemistry, physics and mathematics, and who are currently enrolled in Mathematics 1a (or equivalent preparation). To be admitted to Chemistry 10, students must obtain a satisfactory score on the Harvard Chemistry Placement Examination, given during freshman week, or must obtain permission of the instructor. Students who do not take this examination or do not achieve a satisfactory score should take Chemistry 5 and 7. Chemistry 10 may not be counted toward a degree in addition to Chemistry 5 or 7.

Chemistry 17. Principles of Organic Chemistry

Catalog Number: 5085

Claude Wintner (Haverford College)

Half course (fall term). M., W., F., at 11, and a discussion section to be arranged. EXAM GROUP: 4

An introduction to structure, bonding, and reaction mechanisms of organic compounds; chemical transformation of the common functional groups; principles of organic synthesis.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. The content of Chemistry 17 is similar to that of Chemistry 20, so students may not count both courses toward the degree. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence.

Prerequisite: Open to freshmen with a score of 750 or higher in the College Boards or the Chemistry Placement Examination; to students who scored 4 or 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Chemistry 7, or 10. Others may enter only by permission of the instructor.

Chemistry 20. Organic Chemistry

Catalog Number: 0876

Gregory L. Verdine

Half course (spring term). Lectures, M., W., F., at 9, and a discussion section to be arranged. EXAM GROUP: 2

An introduction to structure, bonding, and mechanism of organic reactions; chemical transformation of the common functional groups in aliphatic and aromatic compounds; synthesis; determination of structure; infrared and NMR spectroscopy.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. The content of Chemistry 17 is similar to that of Chemistry 20, so students may not count both courses toward the degree. On the other hand, Chemistry 27 and



Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence.

Prerequisite: Open to freshmen with a score higher than 750 in the College Boards or the Chemistry Placement Examination; to students who scored 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Chemistry 7, 9, or 10. Others may enter only by permission of the instructor.

Chemistry 27. Organic Chemistry of Life

Catalog Number: 5978

Matthew D. Shair

Half course (spring term). M., W., F., at 11, and a discussion section, and a five hour laboratory each week to be arranged. EXAM GROUP: 4

Sequel to Chemistry 17. Organic chemical principles of molecular science that govern the processes occurring in living systems are illustrated with examples drawn from biochemistry, cell biology, and medicine. The course deals with generalities of organic chemical reactivity (reaction mechanisms, structure-reactivity and structure-property relationships), with matters specifically relevant to the life sciences (chemistry of proteins, nucleic acids, natural products, cofactors, signal transduction), and with applications of chemical biology in medicine and biotechnology (drug design and mechanism, metabolism). It requires an understanding of organic reactions and their mechanisms, with considerable focus on “arrow pushing”.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17.

Prerequisite: Chemistry 17; Chemistry 30; or Chemistry 20 with permission of the instructor.

Chemistry 30. Organic Chemistry

Catalog Number: 6587

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 including reactions involving carbanions, carbonium ions, carbenes and free radicals; and an introduction to biologically important classes of compounds including carbohydrates, amino acids, peptides, nucleic acids and other heterocyclic compounds. Laboratory: an introduction to the practice of organic chemistry and the identification of unknown compounds.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17.

Prerequisite: Chemistry 20 or Chemistry 27.

Chemistry 40. Inorganic Chemistry

Catalog Number: 8201

William Klemperer and Richard H. Holm

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An introduction to basic concepts of inorganic chemistry. Topics include synthesis, bonding, thermodynamics, stereochemistry, and reactivity of inorganic compounds of the main group and the transition elements.

Prerequisite: Chemistry 17 or 20.



Chemistry 60. Foundations of Physical Chemistry

Catalog Number: 5181

Eric J. Heller

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course is designed to be a compact introduction to major principles of physical chemistry (chemical kinetics, thermodynamics, and statistical mechanics), concurrently providing mathematical and physical foundations for these subjects and mathematical preparation for Chemistry 160 and 161, or Chemistry 105.

Prerequisite: Chemistry 5, 7 or 10 or equivalent; completion or concurrent enrollment in Mathematics 21a or Applied Mathematics 21a; completion or concurrent enrollment in Physics 11a or equivalent.

***Chemistry 91r. Introduction to Research**

Catalog Number: 4366

James E. Davis and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and/or laboratory work related to one of the research projects under way in the department.

Note: Open to a limited number of chemistry concentrators who are accepted as research students without having taken Chemistry 98. Written permission of the sponsor must be filed at the Office of the Head Tutor in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, James E. Davis, and Dr. Davis' signature must appear on each student's study card.

***Chemistry 98r (formerly Chemistry 98hf). Introduction to Research—Junior Year**

Catalog Number: 3124

James E. Davis and members of the Department

Half course (fall term; repeated spring term). Spring: Tu., Th., 1–2:30. EXAM GROUP: Spring: 15, 16

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open with approval of the instructor to junior chemistry majors who have satisfactorily completed the non-credit *Introduction to Research Tutorial* in the spring term of the sophomore year. In that non-credit spring term tutorial, taught Tu., Th., 1–2:30, students will attend introductory lectures and research seminars in order to acquaint themselves with departmental research programs. In the junior year, students who complete the non-credit tutorial and obtain placement in a research laboratory will undertake research as Chemistry 98r. Written permission of the research adviser must be filed at the office of the Head Tutor in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, James E. Davis, and Dr. Davis' signature must appear on each student's study card.

***Chemistry 99r (formerly Chemistry 99). Tutorial — Senior Year**

Catalog Number: 4508

James E. Davis and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Research under the direction of, or approved by, a member of the faculty of the Department of



Chemistry.

Note: Open to seniors accredited by the Department as honors candidates. Written permission of the research adviser must be filed at the office of the Head Tutor in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head, James E. Davis, and Dr. Davis' signature must appear on each student's study card.

Cross-listed Courses

Biological Sciences 52 (formerly Biological Sciences 10). Introductory Molecular Biology
[Earth and Planetary Sciences 107. Environmental Geochemistry]
[MCB 112. Structure and Function of Proteins and Nucleic Acids]
[MCB 176. Membrane Structure and Function]

For Undergraduates and Graduates

Chemistry 105. Mechanisms of Organic Reactions

Catalog Number: 3181

George M. Whitesides

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

The study of the relation between structure of carbon compounds and their reactivity and properties. Thermodynamics, electronic structure, reaction mechanisms, reactive intermediates, catalysis, structure-reactivity relations, influence of solvents on reactivity.

Prerequisite: Chemistry 5 and 7, or 10; and Chemistry 20 and 30 with a grade of B- or better. MCB 61 highly recommended.

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 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. The Transition Elements

Catalog Number: 6491

Richard H. Holm

Half course (fall term). Tu., Th., at 10, and a discussion section to be arranged. EXAM GROUP: 12

An introduction to the fundamental chemistry of the transition elements. Topics include synthesis, electronic structure, stereochemistry, substitution and electron-transfer reactions, organometallic chemistry, catalysis, and bioinorganic chemistry.

Prerequisite: Chemistry 40 or permission of the instructor.

[Chemistry 151. Advanced Inorganic Chemistry: A Physical Approach]

Catalog Number: 4343

Richard H. Holm

Half course (fall term). Hours to be arranged.

A physical approach to inorganic compounds, mainly of the transition elements including bonding, stereochemistry, and electronic properties with use of symmetry and elementary group theory.

Note: Expected to be given in 2001–02.

Chemistry 153. Organotransition Metal Chemistry

Catalog Number: 1848

Eric N. Jacobsen

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to organotransition metal chemistry. Topics include organometallic reaction mechanisms and the application of transition metal complexes in organic synthesis and in homogeneous catalysis.

Note: Intended primarily for graduate students and advanced undergraduates in chemistry.

Prerequisite: Chemistry 30 or equivalent, and Chemistry 40 or equivalent. Concurrent enrollment in Chemistry 115 and/or Chemistry 206 is recommended.

[Chemistry 154. Crystal Symmetry, Diffraction, and Structure Analysis]

Catalog Number: 8873

Richard J. Staples

Half course (spring term). ; laboratory one afternoon per week.

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 2001–02.

Prerequisite: Familiarity with atomic structure, basic symmetry principles, linear algebra, and electromagnetic waves.



[Chemistry 157. Biologically Related Inorganic Chemistry]

Catalog Number: 6244

Richard H. Holm

Half course (spring term). Hours to be arranged.

The chemistry of metal ions and metal clusters in metallobiomolecules, with emphasis on structure, function, and reactivity; synthetic analogue chemistry related to native metal sites. The course may be conducted largely in a seminar format with extensive student participation.

Note: Expected to be given in 2001–02.

Prerequisite: Chemistry 150 or permission of the instructor.

Chemistry 158. Materials Chemistry

Catalog Number: 7504

Charles M. Lieber

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 40 or equivalent.

Chemistry 160. Physical Chemistry

Catalog Number: 3420

Cynthia M. Friend

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to modern theories of the structure of matter, including the principles of quantum mechanics, the electronic structure of atoms and molecules, chemical bonding, and atomic and molecular spectra.

Prerequisite: Applied Mathematics 21a and 21b, Mathematics 21a and 21b, or equivalent preparation in calculus and differential equations; one full course in physics (with an honor grade, if in Physics 1); Chemistry 10 or equivalent.

Chemistry 161. Statistical Thermodynamics

Catalog Number: 3575

David R. Reichman

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to statistical mechanics, thermodynamics, and chemical kinetics with applications to problems in chemistry.

Prerequisite: Chemistry 160 and Applied Mathematics 21a, or equivalent.

Chemistry 162. Molecular Spectroscopy

Catalog Number: 0924

William Klemperer and Xiaoliang Sunney Xie

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Modern molecular spectroscopy applied to the study of the structure and dynamics in gas and



condensed phase systems. Topics include electronic, vibrational, rotational and nuclear hyperfine energy levels of polyatomic molecules, their interactions with electromagnetic radiation, selection rules and relaxation processes. The fundamental principles are illustrated by spectroscopic approaches, such as absorption, fluorescence, scattering magnetic resonance, as well as nonlinear processes and photochemistry.

Prerequisite: Chemistry 160 and 161; or Physics 143 and 181; (or equivalent preparation).

Concurrent registration in Chemistry 161 or Physics 181 acceptable.

[Chemistry 164r. Molecular Biophysics and Biophysical Chemistry: Simulation of Macromolecules]

Catalog Number: 5588

Half course (fall term). Hours to be arranged.

Introduction to the principles and methods used for the simulation of macromolecules of biological interest. Protein conformation and dynamics are emphasized. Empirical energy and molecular dynamics calculations as well as other approaches are described. Specific problems are discussed to illustrate the methodology. Examples include the cooperative mechanisms of hemoglobin, protein folding predictions, the nature of reaction rate enhancement in enzyme catalysis, motional properties of proteins, simulations of free energy changes in mutations, molecular recognition, and the properties of binding sites. The laboratory introduces students to molecular graphics and to simulation methodology. During reading period, each student carries out an original research project that makes use of these techniques.

Note: Expected to be given in 2001–02. It is suggested that students enroll in Biophysics 164 when this course is bracketed. Cannot be taken for credit by students who have completed Biophysics 164r.

Prerequisite: Biological Sciences 11 and one of the following: Chemistry 160, Biochemistry 61, Physics 143, or permission of instructor.

Chemistry 165. Experimental Physical Chemistry

Catalog Number: 0667

Bretislav Friedrich

Half course (spring term). Lectures: F., 1–2:30; laboratories M., or Tu., 1–5. EXAM GROUP: 6, 7

The course provides an introduction to the methods and techniques used in current physical chemistry research laboratories. Seven out of the total of ten laboratory assignments are experiments that are conducted directly in the Research Groups of the Chemistry Department. These involve: molecular beams; mass spectrometry; Fourier transform infrared and nuclear magnetic resonance spectroscopies; laser ablation; laser spectroscopy; scanning tunneling and atomic force microscopy; kinetics. Computer-based methods of data acquisition and analysis will be 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 (spring 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 2001–02. Primarily for graduates and advanced undergraduates in Chemistry, Physics, and Applied Sciences.

Prerequisite: Chemistry 160 or equivalent.

Chemistry 170. Chemical Biology

Catalog Number: 7754

David R. Liu

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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.

Cross-listed Courses

[Biophysics 164r (formerly Biophysics 151r). Molecular Biophysics and Biophysical Chemistry: Simulation of Macromolecules]

Primarily for Graduates

***Chemistry 206. Advanced Organic Chemistry**

Catalog Number: 1063

David A. Evans

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An in-depth discussion of the important classes of organic reactions will be provided. The discussion will include an introduction to FMO theory, stereoelectronic effects, conformational analysis, and enantioselective reaction variants. Reaction families that will be surveyed include the major classes of cycloadditions, olefin and carbonyl addition processes, and sigmatropic rearrangements. The generation, structure, and reactivity of commonly encountered reactive intermediates such as enolates, metallocenes, carbenes, carbonium ions, and free radicals will be integrated into the lectures. Weekly problem assignments designed to improve “electron-pushing” skills will be provided. Small study groups headed by experienced graduate student mentors will emphasize the development of problem-solving skills.

Prerequisite: Chemistry 105, a prior course in mechanistic organic chemistry, or permission of instructor.



Chemistry 240. Statistical Mechanics

Catalog Number: 5215

Eugene I. Shakhnovich

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Equilibrium and nonequilibrium statistical mechanics, with a strong emphasis on interacting systems, including the thermodynamics and structure of gases, liquids, and crystals, critical phenomena, and the theory of transport processes.

Prerequisite: Chemistry 160 and 161, or permission of instructor.

[Chemistry 241. Chemical Kinetics]

Catalog Number: 6976

Dudley R. Herschbach

Half course (spring term). 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 2001–02. Given in alternate years.

Chemistry 242. Quantum Mechanics

Catalog Number: 2971

William Klemperer and Hongkun Park

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Principles of quantum mechanics. Particle in potential. Identical particles. Angular momentum. Perturbation theory. Electron motion in atoms, molecules and solids. Born-Oppenheimer theory.

Prerequisite: Chemistry 160 or Physics 143, Physics 11 or 12, and Applied Mathematics 105a and 105b, or Mathematics 21, or equivalent.

[Chemistry 243. Time-Dependent Quantum Mechanics]

Catalog Number: 0566

Eric J. Heller

Half course (spring term). Hours to be arranged.

Treatment of time-dependent interactions, for bound, quasi-stationary, and scattering states.

Applications to molecular spectroscopy and collision processes.

Note: Expected to be given in 2001–02. Given in alternate years.

Prerequisite: Chemistry 242.

Chemistry 244. Quantum Chemistry

Catalog Number: 8295

Roy G. Gordon

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

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.

Prerequisite: Chemistry 242.



Chemistry 245. Single-molecule Biophysics

Catalog Number: 0944

Xiaoliang Sunney Xie

Half course (fall term). W., F., at 11. EXAM GROUP: 4

The emerging single-molecule methodology of biophysics, including the principles of single-molecule studies and the experimental approaches, such as the patch clamp technique, atomic force microscopy, optical tweezers, near field microscopy, and confocal and nonlinear optical microscopy. Applications to various biological problems will be discussed.

Prerequisite: Introductory level biochemistry and physical chemistry including quantum mechanics and statistical mechanics; or permission of instructor.

[Chemistry 248. Special Topics in Physical Chemistry]

Catalog Number: 0587

William Klemperer

Half course (spring term). Hours to be arranged.

Topics of current interest, to be announced.

Note: Expected to be given in 2001–02.

Prerequisite: Chemistry 160 and 161 or equivalent.

Cross-listed Courses

Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics

Earth and Planetary Sciences 202. Introduction to the Dynamics of Atmospheres and Oceans

[Engineering Sciences 264. Chemistry of Natural and Polluted Waters]

Graduate Courses of Reading and Research

A student intending to elect one of the following research courses should consult the instructor as far in advance as possible.

***Chemistry 300. Reading**

Catalog Number: 6307

Members of the Department

Individual work under the supervision of members of the Department.

***Chemistry 301. Inorganic Chemistry**

Catalog Number: 3748

Richard H. Holm 7015

***Chemistry 302. Organometallic Chemistry**

Catalog Number: 1413

Eric N. Jacobsen 1040

***Chemistry 303. Organic Chemistry**

Catalog Number: 1043

David A. Evans 7774



***Chemistry 307. Organic Chemistry**

Catalog Number: 5101

Elias J. Corey 1369

***Chemistry 311. Physical Chemistry**

Catalog Number: 2640

Charles M. Lieber 3102

***Chemistry 313. Organic Chemistry**

Catalog Number: 0183

Yoshito Kishi 3852

***Chemistry 315. Photochemistry and Kinetics**

Catalog Number: 5964

James G. Anderson 6057 (on leave fall term)

***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 330. Physical Chemistry and Chemical Physics**

Catalog Number: 4327

Dudley R. Herschbach 1381 (on leave spring term)

***Chemistry 331. Chemical Biology**

Catalog Number: 1408

Gregory L. Verdine 1980

***Chemistry 336. Physical and Inorganic Chemistry and Materials Science**

Catalog Number: 5266

Roy G. Gordon 1353



***Chemistry 350. Theoretical Physical Chemistry**

Catalog Number: 8285

Eugene I. Shakhnovich 3147

***Chemistry 377. Physical Chemistry, Including Molecular Spectroscopy**

Catalog Number: 5506

William Klemperer 1391

***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

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*)
 Susan E. Alcock, Visiting Associate Professor of the Classics
 Margaret Alexiou, George Seferis Professor of Modern Greek Studies and Professor of Comparative Literature
 Kathleen M. Coleman, Professor of Latin
 John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature (*Director of Graduate Studies*)
 Farouk F. Grewing, Lecturer on the Classics, Visiting Scholar in the Classics
 Albert Henrichs, Eliot Professor of Greek Literature (*on leave fall term*)
 Judson Herrman, Lecturer on the Classics
 Christopher P. Jones, George Martin Lane Professor of the Classics and of History (*on leave spring term*)
 Ivy Livingston, Assistant Professor of the Classics (*Director of Undergraduate Studies*)
 Nino Luraghi, Assistant Professor of the Classics
 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*) (*on leave spring term*)
 Gloria Ferrari Pinney, Professor of Classical Archaeology and Art (*on leave fall term*)
 Eric W. Robinson, Assistant Professor of the Classics and of History (*on leave 2001-2002*)
 Panagiotis Roilos, Assistant Professor of Modern Greek
 Andreola Rossi, Assistant Professor of the Classics
 Mark Schiefsky, Assistant Professor of the Classics
 Charles P. Segal, Walter C. Klein Professor of the Classics
 Gisela Striker, Professor of Classical Philosophy (*on leave spring term*)
 Sarolta Takács, Associate Professor in the Classics (*on leave 2000-01*)
 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 and Professor of Comparative Literature

Other Faculty Offering Instruction in the Department of the Classics

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art
 John E. Murdoch, Professor of the History of Science

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

Ivy Livingston and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial instruction for course credit open to candidates for honors who are qualified to do special reading projects in Greek and/or Latin.

Note: May be counted for concentration.

***Classics 97r. Tutorial — Sophomore Year**

Catalog Number: 5175

Ivy Livingston and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly meetings of small groups of students with a tutor for the detailed reading and translation of selected texts; in addition, monthly colloquia, on the various disciplines within the field of Classics.

Note: May be counted for concentration.

***Classics 98r. Tutorial — Junior Year**

Catalog Number: 6100

Ivy Livingston and assistants

Half course (fall term; repeated spring term). Fall: Tu., 1–4. Spring: Th., 1–4. EXAM GROUP: Spring: 15, 16, 17

Tutorial instruction for course credit (in addition to ordinary tutorial instruction) is open to concentrators in their junior year whose applications for such instruction have been approved by the Director of Undergraduate Studies.

Note: May be counted for concentration.

***Classics 99. Tutorial — Senior Year**

Catalog Number: 2350

Ivy Livingston 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

[Classics 140. The Fall of the Roman Republic]

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages:



Seminar]

[*Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar]

Historical Study B-04. Ancient Greek Democracy

Historical Study B-09. The Christian Revolution

***History 90i (formerly History 90x). Major Themes in Ancient History**

[History 1063. Intolerance and Persecution in the Roman Empire: Conference Course]

[History 1064. The 3rd Century: Texts and Problems: Conference Course]

[History 1071. Introduction to Greek History]

[History 1085. The Roman Empire, Augustus to Constantine]

[History 1088. The Mediterranean, Alexander to Antony]

History of Art and Architecture 235. Water in the Roman City: Architecture, Aesthetics, Politics

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 101. The Auxiliary Disciplines of Medieval History: Proseminar]

Medieval Studies 105. Production of Manuscripts and Printed Books Before 1600

[Medieval Studies 117. Constitutional and Legal History of Medieval England]

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

Philosophy 7. Introduction to Ancient Philosophy

Philosophy 101. Plato

[Philosophy 102. Aristotle]

***Philosophy 106. The Pre-Socratics: Proseminar**

[*Philosophy 107. Plato's Republic: Proseminar]

***Philosophy 108. Socrates: Proseminar**

Philosophy 111. Epistemology After Aristotle

[*Philosophy 201. Plato on Falsehood and Not-Being: Seminar]

Religion 2426. Editing Greek Christian Literature: Seminar

For Undergraduates and Graduates

[Classics 140. The Fall of the Roman Republic]

Catalog Number: 9989

Eric W. Robinson

Half course (fall term). Hours to be arranged.

A chronological study of the most significant events of the late Republican era, including the reform efforts of the Gracchi, the rise of Marius and Sulla, Cicero and Catiline, the first triumvirate, and ultimately the wars waged by Caesar for control of Rome and his subsequent assassination.

Note: Expected to be given in 2001–02.

[Classics 142. The Western Greeks]

Catalog Number: 9356



Nino Luraghi

Half course (fall term). Hours to be arranged.

The history and culture of the Greek cities in Sicily and Southern Italy (*Magna Graecia*) from their origins to the Roman conquest. Particular emphasis on the use of archaeological excavations and monuments as sources for cultural, social, and economic history.

Note: Expected to be given in 2001–02.

Classics 143. The Peloponnesian War

Catalog Number: 8783

Eric W. Robinson

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An examination of the great war fought by the Athenian and Spartan alliances, starting with the reasons for its outbreak in 431 BC and continuing through to its end in 404 BC. Close reading of Thucydides' famous account will be combined with study of other ancient sources and with modern analyses.

Classics 144. The Roman Republic

Catalog Number: 2422

Nino Luraghi

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

A survey of Roman history from the foundation of the Republic to its crisis, with extensive reading of sources in translation. Particular attention to the development of Roman political institutions and to the rise of Rome to world power from the Punic Wars to the conquest of the Greek world.

[Classics 145. Ancient Greek Tyranny]

Catalog Number: 2008

Nino Luraghi

Half course (spring term). Hours to be arranged.

The origins and development of monarchical power in the world of the Greek polis. The course will discuss tyranny from the point of view of political history as well as mentality. Written sources will be read in translation.

Note: Expected to be given in 2001–02. Additional reading section offered for students with knowledge of ancient Greek.

Classics 155. Roman Games

Catalog Number: 2490

Kathleen M. Coleman

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Examines the evidence for gladiatorial combat, wild-beast fights, executions, and aquatic displays in the Roman world, exploring the social and political context in which they developed. 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 source-material in Greek and Latin.



[Classics 163. Virgil and His Reception]

Catalog Number: 8346

Richard F. Thomas

Half course (spring term). Hours to be arranged.

Study of the Virgil tradition from antiquity through the 20th century. Lectures and discussion on the *Eclogues*, *Georgics*, and *Aeneid*, and on a variety of points of reception: post-Virgilian epic (Ovid, Lucan, Statius), the ancient and medieval commentary tradition (Servius and Donatus), Christian reception; impact on European vernacular traditions (Dido romance to Dante, Ariosto, Tasso, Spenser and Milton); humanistic response (Maffeo Vegio to Petrarch); translation as hermeneutics (Gavin Douglas to Dryden and beyond); Virgilian reception in art and music.

Note: Expected to be given in 2001–02. May be counted as a language course for Classics concentrators.

Classics 165. Ancient Greek Medicine

Catalog Number: 6835

Mark Schiefsky

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Theory and practice of ancient Greek, especially Hippocratic, medicine, with particular attention to the interactions between “rational” medicine, ancient philosophy and religious healing.

Classics 166. The City of Athens in Classical Greek Drama

Catalog Number: 2615

Judson Herrman

Half course (spring term). M., W., at 12. EXAM GROUP: 5

This course will consider how the city of Athens was depicted in 5th-century Athenian tragedy and comedy. Topics to be considered include: (1) the emergence of the city-state in Aeschylus’ *Oresteia*, (2) praise of the city in Sophocles’ *Oedipus at Colonus* and Euripides’ *Suppliants* and *Children of Heracles*, and (3) satire of Athenian leaders and institutions in Aristophanes’

Knights, *Wasps* and *Assembly-women*. Supplementary readings from contemporary history and oratory will also be incorporated. All readings will be done in English translation.

[Classics 170. Euripides’ *Bakkhai* and the Modern Dionysos]

Catalog Number: 0850

Half course (spring term). Hours to be arranged.

Diachronic readings of Euripides’ *Bakkhai* and its representation of Dionysos and the Dionysiac, with focus on the play’s role in the formation of modern approaches to the god from Nietzsche and Pater to the present.

Note: Expected to be given in 2001–02.

Classics 190. Approaches to Classical and Indo-European Poetics

Catalog Number: 0712

Calvert Watkins

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

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.

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 214).

Primarily for Undergraduates

Greek A. Beginning Greek

Catalog Number: 0129

Richard Thomas and assistants

Half course (fall term). Sections I and II, M., W., F., at 9; Section III, M., W., F., at 11. EXAM GROUP: 10

Elements of the Greek language and introductory readings.

Greek Aab. Beginning Greek (Intensive)

Catalog Number: 0714

Kathleen M. Coleman and assistants

Full course (spring term). M., through F., at 9; M., at 1. EXAM GROUP: 2, 6, 11

For students with little or no previous instruction in Greek who are seriously interested in making quick progress in the language. Covers all basic grammar and considerable practice in reading prose. Students are prepared for Greek 3 or 4.

Greek B. Beginning Greek

Catalog Number: 0457

Kathleen Coleman and assistants

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 11. EXAM GROUP: 10

Continuation of Greek A. Extensive reading in Attic prose.

Prerequisite: Greek A or equivalent.

Greek 3. Introduction to Attic Prose

Catalog Number: 4696

Judson Herrman

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



Gregory Nagy and assistant

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to Homeric poetry: language, meter, formulae, and type scenes.

Prerequisite: Greek 3 or equivalent.

For Undergraduates and Graduates

Greek H. Introductory Greek Prose Composition

Catalog Number: 6323

Judson Herrman

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

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

Albert Henrichs

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

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 102. Attic Orators

Catalog Number: 3103

Judson Herrman

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Extensive reading in Lysias, Isocrates, and Demosthenes, with emphasis on style, rhetorical devices, and political background. Selections based on undergraduate and graduate reading lists.

[Greek 104. Herodotus]

Catalog Number: 6340

Nino Luraghi

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 from the entire *Histories* read in English.

Note: Expected to be given in 2001–02.

[Greek 105. Aristophanes]

Catalog Number: 1969

Albert Henrichs

Half course (spring term). Hours to be arranged.

Readings of *Akharnians*, *Clouds*, and *Frogs*, with an emphasis on genre, the polis, and the role of



the chorus.

Note: Expected to be given in 2001–02.

Greek 106. Greek Tragedy

Catalog Number: 6274

Charles P. Segal

Half course (spring 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 Euripides' *Bacchae* and Sophocles' *Antigone*.

[Greek 107. Thucydides]

Catalog Number: 8281

Eric W. Robinson

Half course (spring term). Hours to be arranged.

An introduction, combining detailed study of Thucydides' style and rhetorical technique with attention to his sources and methods of composition. The entire *History* read in English; selections in Greek from the prefatory material, the speeches in Books I–III, the debates over Mytilene and Melos, and the narrative of the Sicilian disaster.

Note: Expected to be given in 2001–02.

Greek 110r. Plato's *Protagoras*

Catalog Number: 6229

Mark Schiefsky

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Close reading of the *Protagoras* and related texts.

[Greek 111. Euripides]

Catalog Number: 0919

Gregory Nagy

Half course (spring term). Hours to be arranged.

A close reading of the *Bacchae* and the *Hippolytus*.

Note: Expected to be given in 2001–02.

Greek 112a. History of Greek Literature I

Catalog Number: 3052

Charles P. Segal

Half course (fall term). M., W., F., at 11, and a one-hour section to be arranged. EXAM GROUP: 4

This course offers a survey of Greek literature from Homer to the beginnings of tragedy, with special attention to literary structure and form, social context, and oral poetics. Readings will include selections from *Iliad*, *Odyssey*, Hesiod, Homeric hymns, Greek lyric poets, Pindar, Bacchylides, and the Aeschylus. The course will be conducted through informal lectures, with close attention to the Greek texts as time permits.

Greek 112b. History of Greek Literature II

Catalog Number: 6889



Nino Luraghi

Half course (spring term). M., W., F., at 12, and a one-hour section to be arranged. EXAM

GROUP: 5

The 5th century and beyond, Comedy, Historiography, and Oratory.

Greek 115. Homer: *The Odyssey*

Catalog Number: 3036

Andreola Rossi

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

Reading of several books of *The Odyssey*, emphasizing oral tradition and its application to Homer.

Greek 116r. Greek Lyric Poetry

Catalog Number: 4575

Nino Luraghi

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Selections from the lyric and elegiac poets (in D. A. Campbell) from Archilochos to Simonides, with choral selections from Pindar and Bacchylides.

[Greek 118. Hesiod and the Homeric Hymns]

Catalog Number: 8353

Charles P. Segal

Half course (fall term). Hours to be arranged.

Reading of large portions of Hesiod's *Theogony*, selections from the *Works and Days*, and the longer Homeric Hymns. Particular attention to narrative techniques, poetics, myth, and connections with the *Iliad* and *Odyssey*.

Note: Expected to be given in 2001–02.

Greek 119. Apollonius: *Argonautica*

Catalog Number: 8748

Andreola Rossi

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

[Greek 134. The Language of Homer]

Catalog Number: 5139

Calvert Watkins

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 2001–02.

Greek 185. Workshop in Greek Papyrology

Catalog Number: 3782

Albert Henrichs

Half course (spring term). W., 4–6. EXAM GROUP: 9

The reading, dating, and editing of Greek literary papyri, and the contribution of papyrology to



Greek literature from Homer to the Second Sophistic, with particular attention to lyric poetry, the satyr play, and the novel.

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 214), or the Freshman Dean's Office.

Primarily for Undergraduates

Latin A. Beginning Latin

Catalog Number: 4759

Richard F. Thomas and assistants

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 11. EXAM GROUP: 10

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

Richard Thomas and assistants

Full course (fall term; repeated spring term). M., through F., at 10; M., at 1. EXAM GROUP: 3

For students with little or no previous instruction in Latin who are seriously interested in making quick progress in the language. Covers all basic grammar and considerable practice in reading prose. Students are prepared for Latin 4.

Latin B. Beginning Latin

Catalog Number: 2101

Kathleen M. Coleman and assistants

Half course (spring term). Section I: M., W., F., at 9; Section II, M., W., F., at 11. EXAM GROUP: 10

Continuation of Latin A. Completion of basic grammar and introduction to reading of connected texts.

Latin 3. Latin Prose Selections (Classical)

Catalog Number: 2344

Ivy Livingston

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

This course is a bridge between the study of Latin grammar and the reading of prose authors. The readings are short selections from a variety of genres by authors such as Cicero, Pliny, Nepos, Sallust, and Petronius.



Note: Latin 3 and Latin 3m are intended to be equivalent in difficulty and to require identical background (Latin A and B or the equivalent). Students may take either 3 or 3m for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Latin 3m. Latin Prose Selections (Medieval)

Catalog Number: 7123

Jan Ziolkowski and assistant

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Begins with a review of fundamentals. Aims at increased facility in reading Latin, through a study of selected post-classical prose texts such as the Vulgate Bible, Augustine's *Confessions*, and Abelard's writings.

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

Ivy Livingston

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

Half course (spring term). M., W., F., at 9.

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

Half course (spring term). Hours to be arranged.

A study of the development of Latin prose style. Written compositions in various styles, combined with close reading and discussion of passages in Cato, Cicero, Sallust, Livy, Tacitus, and others.

Note: Expected to be given in 2001–02.

Latin 100. Roman Satire

Catalog Number: 0595

Richard F. Thomas

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Readings from the satires of Horace, Persius and Juvenal with attention to the development of



the genre, its status as genre, and with consideration of each author in his literary, social, and cultural context.

Latin 102a. Catullus and Horace

Catalog Number: 7558

Christopher P. Jones

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Reading and analysis of the poems of Catullus and Horace.

Note: Open to advanced first-year undergraduates.

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 104. Ovid: *Metamorphoses*]

Catalog Number: 5994

Half course (fall term). Hours to be arranged.

Ovid's storytelling and techniques: language, links between scenes, and use of myth.

Note: Expected to be given in 2001–02.

[Latin 105. The Letters of Cicero and Pliny]

Catalog Number: 0939

Kathleen M. Coleman

Half course (spring term). Hours to be arranged.

Selections from the letters of Cicero and Pliny. Topics to be considered include the social and historical background, epistolography as a form of self-presentation, and its relation to other literary types such as autobiography.

Note: Expected to be given in 2001–02.

[Latin 106a. Virgil: *Eclogues and Georgics*]

Catalog Number: 1456

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[Latin 106b. Virgil: *Aeneid*]

Catalog Number: 7069

Richard F. Thomas

Half course (spring term). Hours to be arranged.

Reading and discussion of Virgil's *Aeneid*, with attention to its place in the epic tradition and its status as a work of Augustan literature.

Note: Expected to be given in 2001–02.



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 108. Cicero and Sallust on Catiline]

Catalog Number: 5015

Half course (fall term). Hours to be arranged.

Readings of Cicero's *Catilinarian Orations* and Sallust's *Catilinarian Conspiracy* with attention to the style, oratorical and historiographical techniques, and differences in the two accounts.

Note: Expected to be given in 2001–02.

[Latin 111a. Horace: Satires and Epistles]

Catalog Number: 3348

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Latin 112a. History of Latin Literature I

Catalog Number: 7099

Andreola Rossi

Half course (fall term). M., W., F., at 10, and a one-hour section to be arranged. EXAM GROUP: 3

The literature of the Republic and early Augustan period. Reading of extensive selections from the major authors, with lectures and discussion on the evolution and development of Latin prose and poetry. The course focuses on a variety of issues: Latin individuality through manipulation of inherited Greek forms, metrical and stylistic developments, evolving poetics, intertextuality and genre renewal, dynamic effects of social and political contexts.

Latin 112b. History of Latin Literature II

Catalog Number: 7643

Andreola Rossi

Half course (spring term). M., W., F., at 11, and a one-hour section to be arranged. EXAM GROUP: 4

The literature of the Empire. Reading of selections from major authors, with lectures on the changing traditions and the background of Latin poetry and prose in the period.

[Latin 115. Tacitus]

Catalog Number: 7536

Christopher P. Jones

Half course (fall term). Hours to be arranged.

An introduction to the life and works of Cornelius Tacitus, with emphasis on style and historiographical method. Readings mainly from the *Histories* Books I and II.

Note: Expected to be given in 2001–02.



[Latin 117. Livy]

Catalog Number: 1279

Nino Luraghi

Half course (spring term). Hours to be arranged.

An introduction to Livy's style and historical methods, with attention to Livy's place in the tradition of Roman historiography. Readings mainly from the narrative of early Rome and the war with Hannibal.

Note: Expected to be given in 2001–02.

Latin 119. Cicero: *De re publica*

Catalog Number: 9096

Gisela Striker

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Latin 120. Petronius: *Satyricon*

Catalog Number: 9237

R. J. Tarrant

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Reading and analysis of the surviving portions of Petronius' *Satyricon*. Topics to be treated include the style(s) and genre(s) of the work, elements of parody and satire, and connections to Neronian literature, culture, and society.

[Latin 124. The Roman Novel]

Catalog Number: 2684

Half course (spring term). Hours to be arranged.

An introduction to the Roman novel and its place in the larger context of Latin literature and culture. Readings from Petronius' *Satyricon*, Apuleius' *Metamorphoses*, *Historia Apollonii regis Tyri*, and, in translation, *Lucius*, or *The Ass*, Xenophon's *Ephesiaca*, and Longus' *Daphnis and Chloe*.

Note: Expected to be given in 2001–02.

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.

[Latin 160. Roman Comedy]

Catalog Number: 5520

Half course (spring term). Hours to be arranged.

Reading and discussion of Plautus' *Menaechmi* and Terence's *Adelphoe*, with particular attention to the language of the plays.

Note: Expected to be given in 2001–02.



Primarily for Graduates

200-Level Seminars

Classics 257. Sparta

Catalog Number: 1163

Nino Luraghi

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The history and culture of Sparta from the archaic period to the age of the Antonines. Topics to be addressed: the archaeology and topography of Lakonia; the development of political institutions; Spartan literature; religion and festivals; Sparta as an open-air museum.

Classics 258. Democracy Outside Athens

Catalog Number: 7785

Eric W. Robinson

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A study of Greek democracy of the Archaic and Classical periods, with particular focus on its appearance and functioning outside of the well-known Athenian example.

Classics 259. Ovid's *Metamorphoses*

Catalog Number: 8430

Charles P. Segal

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A literary examination of Ovid's *Metamorphoses*, with special attention to the poem's mixture of genres; its relation to the epic tradition; its narrative techniques; and its representation of violence, suffering, gender, the body, art and the artist.

Classics 261. Plato on Poetry and Moral Education: Seminar

Catalog Number: 7240

Gisela Striker

Half course (fall term). M., 4–6. EXAM GROUP: 9

A discussion of Plato's views on poetry and other arts and their role in education. Main texts: *Republic* II 376C—III 403C and X 595A—608B, with a preliminary look at the *Ion*.

Classics 262. Elegy and Epigram

Catalog Number: 7302

Richard F. Thomas

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Investigation into the genres of Greek and Roman epigram and elegy: attention to the evolution of epigram; its original and enduring functional status; its generic status as a more literary form, particularly in the third and subsequent centuries; its transmission in the editions of Meleager and subsequent anthologies; the status of those anthologies and their ancient readership; issues of intertextuality and renovation in Rome, both in the epigram of Catullus and Martial, and in the Roman elegists.



Classics 263. The Colosseum

Catalog Number: 7414

Kathleen M. Coleman

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The Colosseum made a major impact on the physical and social fabric of Rome. This seminar will examine the archaeological, epigraphic, literary, and numismatic evidence relating to the design of the building, and its function in Roman society down to Late Antiquity.

Classics 264. Technê in Greek Culture: Seminar

Catalog Number: 1071

Mark Schiefsky

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Technê in its various manifestations (“art,” “craft,” and “science”) in Greek thought and culture. Readings selected from poetry, philosophy, medicine, rhetoric, and mechanics.

Graduate Courses of Reading and Research

***Classics 300. Direction of Doctoral Dissertations**

Catalog Number: 4543

Richard F. Thomas 1630, Margaret Alexiou 1214, Kathleen M. Coleman 2289, John Duffy 1352, Albert Henrichs 4085 (on leave fall term), Christopher P. Jones 3204 (on leave spring term), Ivy Livingston 2293, Nino Luraghi 2408, David Gordon Mitten 1290, Gregory Nagy 1423 (on leave spring term), Gloria Ferrari Pinney 1384 (on leave fall term), Eric W. Robinson 2724 (on leave 2001-2002), Panagiotis Roilos 1982, Andreola Rossi 3381, Mark Schiefsky 2354, Charles P. Segal 2596, Gisela Striker 2271 (on leave spring term), Sarolta Takács 3474 (on leave 2000-01), R. J. Tarrant 7503, Calvert Watkins 2553, and Jan Ziolkowski 7275

***Classics 301. Reading or Topics Course**

Catalog Number: 3457

Richard F. Thomas 1630, Margaret Alexiou 1214, Kathleen M. Coleman 2289, John Duffy 1352, Albert Henrichs 4085 (on leave fall term), Judson Herrman 3340 (spring term only), Christopher P. Jones 3204 (on leave spring term), Ivy Livingston 2293, Nino Luraghi 2408, David Gordon Mitten 1290, Gregory Nagy 1423 (on leave spring term), Gloria Ferrari Pinney 1384 (on leave fall term), Eric W. Robinson 2724 (on leave 2001-2002), Panagiotis Roilos 1982, Andreola Rossi 3381, Mark Schiefsky 2354, Charles P. Segal 2596, Ihor Sevcenko 3650 (spring term only), Gisela Striker 2271 (on leave spring term), Sarolta Takács 3474 (on leave 2000-01), R. J. Tarrant 7503, Calvert Watkins 2553, and Jan Ziolkowski 7275

Note: For graduate students whose individual needs are not met by the formal courses offered.

***Classics 302. Special Examinations Direction**

Catalog Number: 2686

Richard F. Thomas 1630, Margaret Alexiou 1214, Kathleen M. Coleman 2289, John Duffy 1352, Albert Henrichs 4085 (on leave fall term), Christopher P. Jones 3204 (on leave spring term), Ivy Livingston 2293, Nino Luraghi 2408, David Gordon Mitten 1290, Gregory Nagy 1423 (on leave spring term), Gloria Ferrari Pinney 1384 (on leave fall term), Eric W. Robinson 2724 (on leave 2001-2002), Panagiotis Roilos 1982, Andreola Rossi 3381, Mark Schiefsky 2354, Charles P.



Segal 2596, Gisela Striker 2271 (on leave spring term), Sarolta Takács 3474 (on leave 2000-01), R. J. Tarrant 7503, Calvert Watkins 2553, and Jan Ziolkowski 7275

***Classics 350. Classical Philology: Proseminar**

Catalog Number: 4026

John Duffy 1352 and Richard F. Thomas 1630

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.

***Classics 351. Classical Archaeology Proseminar**

Catalog Number: 5073

Gloria Ferrari Pinney and David Gordon Mitten

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Designed to introduce graduate students in Classical Archaeology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the Ph.D. in Classical Archaeology. Open to other students by permission of the instructor.

Cross-listed Courses

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**

Medieval Greek

For Medieval Greek history see History 1211a and 1211b.

For Undergraduates and Graduates

Medieval Greek 115ar. Introduction to Byzantine Greek

Catalog Number: 7682

John Duffy

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Introduces the student to medieval Greek language and literature and, through selected readings, to important elements of Byzantine culture and society. Texts chosen from different genres and periods to reflect the great diversity of Byzantine life and letters. Types of literature will include: devotional reading, biographies, chronicles, sacred and secular poetry, letters, ecphraseis, scholarly writings, and histories. Choice of readings will correspond in part to the specific interests and needs of the participants.

Prerequisite: Greek A and B or equivalent.



Medieval Greek 120. Readings in the Cappadocian Fathers

Catalog Number: 3786

John Duffy

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Close reading of selections from the Christian “classics” of the fourth century: Basil of Caesarea, Gregory of Nazianzos, and Gregory of Nyssa. A guiding motif will be Hellenic paideia and Christian culture.

Prerequisite: Three terms of Classical or Medieval Greek, or equivalent.

Medieval Greek 185. Workshop in Greek Paleography

Catalog Number: 3271

John Duffy

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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.

Cross-listed Courses

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]

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 2001–02.

Prerequisite: Completion of Latin 4 or other preparation in Latin satisfactory to the instructor.

[Medieval Latin 120. Wisdom and Learning]

Catalog Number: 4019

Jan Ziolkowski

Half course (spring term). Hours to be arranged.

Examines literature in which earthly wisdom and book learning are contrasted or conflated. Explores interaction among biblical, classical, and native (especially Germanic and Celtic) traditions of wisdom. Works include *Solomon and Marcolf*, mirrors for princes, proverbs, and



question-and-answer dialogues.

Note: Expected to be given in 2001–02. No prior experience with Medieval Latin necessary.

Medieval Latin 150. Abelard and Heloise

Catalog Number: 3240

Jan Ziolkowski

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Studies a 12th-century couple whose lives and writings left lasting marks on European culture. Besides selections from personal correspondence, examines parts of the *Sic et non* and Abelard's ethical writings, hymns, and lament poems. Close reading of Abelard's letters to correspondents other than Heloise. Considers reputation of Abelard and Heloise in later centuries.

Note: No prior experience with Medieval Latin necessary.

Medieval Latin 151. Virgil in the Middle Ages

Catalog Number: 4036

Jan Ziolkowski

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the reception of Virgil in the Middle Ages. Considers approaches taken to the *Aeneid* in particular in medieval education, from the most literal glosses and commentary in grammar schools to the allegorizations found in more advanced milieux. Surveys adaptations of Virgil's poems by vernacular poets (especially English, French, Italian, and German). Focuses also on folklore associated with Virgil and his poetry.

Primarily for Graduates

[Medieval Latin 205. Waltharius Seminar]

Catalog Number: 9120

Jan Ziolkowski

Half course (fall term). Hours to be arranged.

Studies a poem about an early Germanic hero, Walter of Aquitaine. Considers problems connected with the poem, from date and authorship to its essential meanings. Seeks to relate poem to both Germanic and Latin contexts, with attention to versions in other languages (in translation) and to sources and analogues in classical and Christian Latin literature.

Note: Expected to be given in 2001–02.

Cross-listed Courses

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

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 12. EXAM GROUP: 14

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 136. Archaeology of the Aegean Bronze Age]

Catalog Number: 7582

David Gordon Mitten

Half course (spring term). Hours to be arranged.

The beginnings of civilization in Greece and the Aegean islands; palaces and towns of Crete and Greece; wall paintings, pottery, ivory- and metal-work; trade with Egypt and the East, burial customs, religion, writing (Linear B); the Trojan War and the Homeric tradition.

Note: Expected to be given in 2001–02.

Classical Archaeology 140. The Parthenon

Catalog Number: 8973

Gloria Ferrari Pinney

Half course (fall term). M., W., at 10. EXAM GROUP: 3

From their construction to their recent evocation in Nashville, the Parthenon and the colossal statue of Athena it housed have held a special place in the history of Western civilization, where they have come to symbolize fundamental cultural ideals. This course offers a view into the making of the myth by restoring the temple to the specific historical and political circumstances of its creation. As much as the surviving evidence allows, we trace planning, financing, and construction; we examine how the temple functioned as the site of cult and civic display; and we discuss the themes that make up its sculptural decoration in relationship to contemporary Athenian ideology.

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). Hours to be arranged.



“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.

Note: Expected to be given in 2001–02.

Classical Archaeology 151. Landscape in Classical Art

Catalog Number: 0641

Gloria Ferrari Pinney

Half course (spring term). M., 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 152. Food and Drink in Classical Antiquity

Catalog Number: 3999

Susan E. Alcock

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Everybody eats but patterns of eating (and drinking) vary dramatically from culture to culture. This course will trace the mechanics of food production in the ancient Mediterranean world, as well as investigating the types of foods available and levels of general health. We will explore how styles of consumption were used to mark out symbolic boundaries, gender differences, and social distinctions. Convivial occasions where food and drink were key (the Greek symposium, the Roman dinner party) will be analyzed, and possibly even reenacted. The course will consider a range of periods and case studies and utilize a variety of textual, art historical, and archaeological evidence.

[Classical Archaeology 160. Vase-painting and Iconography]

Catalog Number: 7289

Gloria Ferrari Pinney

Half course (fall term). Hours to be arranged.

The painted vases constitute a rich body of evidence for the study of the history, art, and culture of ancient Greece. Historians and archaeologists rely on ceramics to establish dates and to chart contacts in the Mediterranean. For the art historian the vases open a bright window, albeit a narrow one, on the development of the visual arts. Most importantly, they preserve thousands of figural representations, which are invaluable sources of knowledge for the conceptual universe of



the society that produced them. Introduction to this specialized field, with emphasis on typology as well as issues of method and interpretation. The material considered spans the centuries from the Early Iron Age to the end of the fifth century B.C.E.

Note: Expected to be given in 2001–02.

[Classical Archaeology 180. Coinage, Politics, and Economy in the Greek World]

Catalog Number: 1746

David Gordon Mitten

Half course (spring term). Hours to be arranged.

The development and use of Greek coinage surveyed in connection with its impact upon the political, social, and economic life of the Greek states down to the consolidation of Roman rule in the eastern Mediterranean region. The importance of Greek coins as evidence for historical, religious, artistic, social, and archaeological problems in Greek civilization is emphasized. As circumstances permit, coins from the Fogg Art Museum collection will serve as research material.

Note: Expected to be given in 2001–02. Open to qualified undergraduates as well as to students of the Harvard Divinity School.

Prerequisite: Some previous work in classical literature or archaeology or ancient history.

Primarily for Graduates

[Classical Archaeology 240. Archaic Mythological Narrative: The François Vase]

Catalog Number: 6187

David Gordon Mitten

Half course (fall term). Hours to be arranged.

The Athenian black-figure volute krater called the François Vase, made in Athens ca. 570 B.C.E. and found in Chiusi, Italy, with its network of narrative problems in archaic Greek art history and culture: relation of text to image, patronage, development of iconographic programs, function related to elite social institutions such as the symposium (men's drinking party), and relation of myth, cult, and ritual.

Note: Expected to be given in 2001–02. Qualified undergraduates welcome.

[Classical Archaeology 241. Narrative in Ancient Greek Art]

Catalog Number: 4461

Gloria Ferrari Pinney

Half course (spring term). Hours to be arranged.

In the history of ancient art, major issues concerning the structure of visual narrative and their relationship to the structure of texts were exposed in a landmark study by Carl Robert in 1881. With few, albeit important exceptions, discussions of this important subject since then have largely remained within the parameters set by Robert. This seminar will re-examine that tradition of scholarly inquiry and move on to explore what theories of narrative that have shaped literary and art historical studies may contribute to the interpretation of ancient Greek modes of visual narrative.

Note: Expected to be given in 2001–02.



Classical Archaeology 242. Greek Funerary Art

Catalog Number: 0715

David Gordon Mitten

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

In this seminar, we shall examine different kinds of Greek funerary art and what they can tell us about Greek attitudes toward life, the family, the gods and death, as well as Greek cultural, social, aesthetic, and economic values. While we shall concentrate upon the rich series of Athenian sculptural grave monuments from the early sixth century through the late fourth century B.C., we shall also investigate special types of painted pottery, especially white-ground lekythoi, their images and symbolism. Relevant passages in Greek authors, as well as funerary inscriptions on the monuments themselves, will help our investigations. Actual grave monuments and funerary pottery in the Sackler Museum at Harvard and the Museum of Fine Arts, Boston, will be emphasized.

Classical Archaeology 243. The Archaeology of the “Second Sophistic”

Catalog Number: 5418

Susan E. Alcock

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An examination of the material culture of the Greek provinces of Roman empire artistic production, religious complexes, civic organization, provincial landscapes. Apart from tracing social and economic change in the Greek east, special emphasis will be placed on issues of Greek and Roman identities, memories and reactions to empire, balancing material perspectives against those derived from literary sources.

Cross-listed Courses

Religion 2348ab. Archaeology and the World of the New Testament: Seminar

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 C. Advanced Modern Greek: Supervised Readings

Catalog Number: 8487

Panagiotis Roilos

Half course (fall term). Hours to be arranged. EXAM GROUP: 7, 8

Advanced reading in topics agreed upon by instructor and students.

Note: Students must have completed Modern Greek B or equivalent and must have permission of the instructor. No Pass/Fail.

Modern Greek 115. Greek Tales

Catalog Number: 8939

Margaret Alexiou

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Constantly shifting shapes, Greek tales have proved remarkably versatile and resilient. Our primary focus will be on the tales (paramythia) recorded from most parts of the Greek-speaking world after the formation of the modern nation state (1830). Topics will include: generic diversity; narrative techniques; performative contexts; metamorphosis morality; cosmic reciprocity. We shall also explore modes of transmission; in particular, evidence for oral literary interactions in the past (medieval paraphraseis and metaphraseis), and creative uses of traditional tales in modern fiction. Where appropriate, comparisons will be made with European and other folktales.

Note: Suitable for undergraduates and graduates in Modern Greek, Classics, Comparative Literature, Anthropology, Folklore and Mythology. Knowledge of Greek expected; some texts available in translation.

[Modern Greek 124. Imagining the Ancients: The Classical Tradition in Modern Greek Literature]

Catalog Number: 5296

Half course (fall term). Hours to be arranged.

Ancient Greece has always exerted an “anxiety of influence” on Modern Greek cultural and political life. Examples drawn mainly from Koraes, Papadiamantes, Palamas, Cavafy, Sikelianos, Seferis, and Elytis will illustrate the ways in which the classical tradition has been manipulated in 19th- and 20th- century Greek literature; parallels from other literatures and examples from folklore material (songs, traditions, folktales) will also be discussed.

Note: Expected to be given in 2001–02. All texts will be available in English.

Modern Greek 125. Greek Modernism

Catalog Number: 0315

Panagiotis Roilos

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Explores the theory and practice of Greek Modernism and its response to European literary



context, focusing on “The Generation of the 1930s” and the Surrealists.

Note: All texts available in English.

Primarily for Graduates

Modern Greek 202. Theodore Prodromos, Four Begging Poems

Catalog Number: 3951

Margaret Alexiou

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The poet adopts in turn a different persona in his appeals to Manuel I Komnenos and others for money: henpecked husband, impecunious paterfamilias, abused monk, starving scholar. Humor satire and erudition are skillfully combined in these vernacular vignettes of everyday life in 12th-century Constantinople.

Note: Suitable for Byzantinists, new-hellenists, and classicists, with topics to be selected in accordance with particular research requirements.

Prerequisite: Knowledge of Greek.

Modern Greek 203. The Historical Novel

Catalog Number: 0269

Panagiotis Roilos

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Against a background of theoretical readings on historiography, the historical novel, historiographic metafiction, and generic criticism, major examples of the Greek historical novel and their dialogue with broader cultural and political issues will be explored. Authors studied include: Rangavis, Papadiamantis, Karagatsis, Terzakis, Vlachos, Valtinos, Galanaki, Douka.

Comparative Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Comparative Literature

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin and Professor of Comparative Literature (*Chair*)

Margaret Alexiou, George Seferis Professor of Modern Greek Studies and Professor of Comparative Literature

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*on leave spring term*)



James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
Luis M. Girón Negrón, Assistant Professor of Comparative Literature and Romance Languages and Literatures

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave fall term*)

Walter Kaiser, Francis Lee Higginson Professor of English Literature and Professor of Comparative Literature and Director of the Villa I Tatti

James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of Comparative Literature (*on leave spring term*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature (*on leave spring term*)

Stephen Owen, James Bryant Conant University Professor

Judith Ryan, Harvard College Professor and the Robert K. and Dale J. Weary Professor of German and Comparative Literature

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*)

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*on leave 2000-01*)

William Mills Todd III, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave spring term*)

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature

Other Faculty Offering Instruction in the Department of Comparative Literature

Sacvan Bercovitch, Powell M. Cabot Professor of American Literature (*on leave fall term*)

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Karl S. Guthke, Kuno Francke Professor of German Art and Culture

Beatrice Hanssen, Associate Professor of German

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English

Francisco Márquez, Arthur Kingsley Porter Research Professor of Romance Languages and Literatures

Marcus Moseley, Assistant Professor of Jewish Studies

Sandra Naddaff, Senior Lecturer on Literature

Maria Tatar, Harvard College Professor and John L. Loeb Professor of Germanic Languages and Literatures (*on leave 2000-01*)

Alfred Thomas, John L. Loeb Associate Professor of the Humanities (*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 100c. The Literary World 1000-1500

Catalog Number: 2217

Stephen Owen

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A reading of texts from various literary cultures that were composed roughly between 1000 and 1500 C.E. Attention will be given to literary-historical and cultural contexts. Readings will be in translation.

Note: Expected to be omitted in 2001–02.

[Comparative Literature 102x. How to Think Money]

Catalog Number: 8734

Marc Shell

Half course (fall term). Hours to be arranged.

Introduction to aesthetic and economic form in literature, painting, music, and cinema.

Theoretical perspectives from Plato, Kant, Hegel, Marx, Heidegger, Simmel, Burke, Derrida, Baudrillard. Attention to issues of symbolic mediation, theme and structure. Works include Shakespeare's *Merchant of Venice*, Metsys' *Moneychanger and His Wife*, Poe's "Wall Street," Bresson's *Money*, Wagner's *Ring of the Nibelung*, Charles Ives' *Marches*.

Note: Expected to be given in 2001–02.

Comparative Literature 103r. Literature and Politics: The Case of Zionism

Catalog Number: 6773

Ruth R. Wisse

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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 reflects 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.

[Comparative Literature 104. Jewish Autobiography from the Renaissance to the 20th Century]

Catalog Number: 0956

Marcus Moseley

Half course (spring term). Hours to be arranged.

Jewish autobiographical texts from the Renaissance period to the present in the light of contemporary critical and theoretical perspectives and within a comparative context. Authors to be studied include Y.A. Modena, Nahman of Bratslav, Solomon Maimon, N.H. Bialik, Y.L. Peretz, and David Daiches. All readings are in English.

Note: Expected to be given in 2001–02.



[Comparative Literature 106x. Diaspora in Jewish Fiction]

Catalog Number: 3711

Sacvan Bercovitch

Half course (fall term). Hours to be arranged.

An exploration of the transformations in Judaism of the meanings of Diaspora, historically and aesthetically, from scripture to commentary to modern fiction. Selections from the Bible, Commentaries, Hassidic Tales, Sholem Aleikhem, Peretz, Kafka, Babel, and others.

Note: Expected to be given in 2001–02.

[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 poems and first-person narratives from medieval/early modern Europe. Examples drawn from spiritual autobiographies, epic poems, saints' lives, *maqama* literature (Arabic and Hebrew rhymed prose narratives), *troubadour* lyric, Hispano-Jewish poetry, pilgrimage tales, medieval allegories, Spanish colonial historiography, and the picaresque novel.

Note: Expected to be given in 2001–02. 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 1. EXAM GROUP: 6

An introduction to religion as a cultural context for literary expression in the Middle Ages. Selected case studies on the following themes: poetry, prophecy and mysticism; Scriptural interpretation and allegorical fiction; dreams and visions of the other-world; Jews, Christians and Muslims; magic and astrology; miracle stories and medieval society; the philosophical tradition; ritual and theater, pilgrimage narratives; and saints and heroes as literary types.

Note: Expected to be omitted in 2001–02. All readings in English translation.

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 159. The Peasant in Literature: Conference Course]

Catalog Number: 9742

George G. Grabowicz

Half course (spring term). Hours to be arranged.

The perception of the peasant as topic, as ideal, and as the Other in 19th- and 20th-century literature. Examines the paradigms and strategies of Romantic idealization, realism and verismo, naturalism, impressionism and symbolism, as well as ideological stances (populism, Marxism,



socialist realism, anti-fascism) and psychological attitudes (from self-identification to demonization). Authors treated include George Sand, Shevchenko, Turgenev, Hardy, Tolstoy, Zola, Raymond, Verga, Kociubynskyj, Silone, Platonov, Solzhenitsyn, and Kosinski.
Note: Expected to be given in 2001–02. All texts can be read in English.

[Comparative Literature 163. From Kafka to Kundera: Questions of Identity in Central European Modernist Fiction]

Catalog Number: 7586

Alfred Thomas

Half course (fall term). Hours to be arranged.

Explores interrelated issues of ethnicity, gender, and sexuality in key works by German, Polish, and Czech writers of the 20th century (Witold Gombrowicz, Egon Hostovsky, Bohumil Hrabal, Franz Kafka, Milan Kundera, Robert Musil, Arthur Schnitzler, Bruno Schulz, and Richard Weiner.) Includes film versions of Kafka's "The Trial" and Schnitzler's "Dream Story."

Note: Expected to be given in 2001–02. All readings in English.

Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course

Catalog Number: 7762

George G. Grabowicz

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Psychological, mythic, "catastrophist," and comic tendencies in the Eastern and Central European novel between the two World Wars (1918–1939). Focus on Kafka, Capek, Bulgakov, Schulz, Witkiewicz, Gombrowicz, and Nabokov.

Note: Expected to be omitted in 2001–02. All texts can be read in English translation.

Comparative Literature 166. The Comic Tradition in Jewish Culture

Catalog Number: 3418

Ruth R. Wisse

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Studies some of the genres, subjects, theories and uses of comedy in Modern Jewish culture. Examines the joke, parody, satire, film and stage comedy, and stand-up humor. Asks what are the functions of humor? What are the methods of humor? Does humor have a national dimension? Are Jews predisposed to comedy, and if so, why?

Note: Expected to be omitted in 2001–02. Readers of Yiddish may take this course as Yiddish 200.

Comparative Literature 167. Contemporary Fiction: The Novel After Theory

Catalog Number: 1808

Judith Ryan

Half course (spring term). Tu., Th., at 1 and a weekly section to be arranged. EXAM GROUP: 15

Examines a series of novels from 1980 to the present that build consciously on recent literary and cultural theory. Also explores the relation of fictional narrative to history, social problems, and ideology. Authors treated include: Helen Darville, Marguerite Duras, David Malouf, Christoph Ransmayr, Marilynne Robinson, Patrick Süsskind, Graham Swift, and Christa Wolf. Theorists



include: Barthes, Bhabha, Baudrillard, Derrida, Hassan, Lacan, and White.

Note: Expected to be omitted in 2001–02.

Comparative Literature 168. Literature and Film

Catalog Number: 8121

Svetlana Boym

Half course (spring term). W., 2–4. Film screenings 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 omitted in 2001–02.

Comparative Literature 182. Comparative Cultures of Money

Catalog Number: 0539

Marc Shell

Half course (spring term). Th., 4–6. EXAM GROUP: 18

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 omitted in 2001–02.

Primarily for Graduates

***Comparative Literature 202. Melancholy: The Anatomy of an Affect in Literature, Philosophy, and the Arts: Seminar**

Catalog Number: 5684

Beatrice Hanssen

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

The disposition of melancholia has exerted unparalleled fascination in literature and the arts. Is melancholia just a disabling psychic state, akin to depression? Or does it play a more fundamental role in moral philosophy, political theory, conceptions of beauty, and the crafting of a new cultural history in modernity? Figures considered: Aristotle, Dürer, Montaigne, Pascal, Shakespeare, Lavater, Kant, Kierkegaard, Baudelaire, Rilke, Benjamin, Freud, Abraham, Torok, Celan, Kristeva, Warburg, Panofsky, Munch, Klee, and Kiefer.

Note: Expected to be omitted in 2001–02. Open to graduate students and qualified undergraduates.

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**

Catalog Number: 7426

Gregory Nagy

Half course (fall term). M., 2–4; Tu., 11–1. EXAM GROUP: 7, 8

Genres, forms, and themes of oral traditions in poetry and prose. Problems of analyzing



divergences and convergences in oral and written literatures. The concept of the canon in oral and written literatures. Theories of performance and composition. Comparative metrical and formulaic analysis.

Note: Expected to be omitted in 2001–02. Knowledge of Greek not required. Qualified undergraduates welcome.

[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar]

Catalog Number: 3298

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 Spanish epic, *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 2001–02. 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). W., 4–6. EXAM GROUP: 9

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 omitted in 2001–02.

[*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 2001–02. Open to qualified undergraduates.

***Comparative Literature 261. Memory and Modernity: Seminar**

Catalog Number: 6923 Enrollment: Limited to 15. Limited to 15.

Svetlana Boym



Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Explores modern art of memory in literary, philosophical, and critical texts. Topics to be considered: nostalgia and search for newness, collective and individual memory, conspiracy theories and ethics of remembering, modern “memory sites” — metropolis, museum, monument, home. Special attention to contemporary East-European reflection on art, memory, and nation. Readings from Baudelaire, Benjamin, Nietzsche, Proust, Nabokov, Tsvetaeva, Kundera, Kis, Levi, Cortázar, Borges, Brodsky, Lyotard, and others.

Note: Expected to be omitted in 2001–02. All texts available in English, but reading texts in the original is encouraged. Primarily for graduate students; qualified undergraduates welcome.

***Comparative Literature 264. Baudelaire and Benjamin: Seminar**

Catalog Number: 4348

Barbara E. Johnson

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Close analysis of poetry and other writings by Charles Baudelaire, juxtaposed with the provocative fragments written about 19th-century culture around and through Baudelaire by Walter Benjamin.

Note: Expected to be omitted in 2001–02. Reading knowledge of French required. Knowledge of German helpful but not required.

[*Comparative Literature 269. Metaphors of Illness: From Polio to AIDS: Seminar]

Catalog Number: 8517

Marc Shell

Half course (spring term). Hours to be arranged.

Considers culture and social aesthetics of 20th-century medical epidemics in Europe and America. Literary texts, films, visual art. Syllabus includes *Tales from Inside the Iron Lung*, *Looking for Mr. Goodbar*, speeches by Franklin Delano Roosevelt, medical texts about hysterical paralysis, paintings by Frida Kahlo and Masaccio. Theorists of aesthetics and medicine include Aristotle, Plato, Thomas Mann, Susan Sontag.

Note: Expected to be given in 2001–02.

[*Comparative Literature 280. Literary Theory and Criticism in the Middle Ages: Seminar]

Catalog Number: 2215

Jan Ziolkowski

Half course (fall term). Hours to be arranged.

Examines the place of theory and criticism in the curriculum (grammar, rhetoric, and dialectic). Topics include allegory and allegoresis; nature of medieval glosses and commentaries; continuity of Platonic and Aristotelian traditions; medieval sign theory. Readings include works by Augustine, Fulgentius, Bede, Bernard Silvestris, Matthew of Vendôme, Geoffrey of Vinsauf, Snorri Sturluson, Dante, and Boccaccio.

Note: Expected to be given in 2001–02.

[*Comparative Literature 283. Language Wars and Polyglot Literature: Seminar]

Catalog Number: 9342

Marc Shell



Half course (spring term). Hours to be arranged.

First we consider how language difference abets war and promises peace; sites include ancient Gilead and Rome, as well as contemporary Québec, Nigeria, and Hispaniola. Then we consider problems of translation, heteroglossia and literary multilingualism; texts include the trilingual New Testament and works by Shakespeare, Goethe, Celan, and Beckett.

Note: Expected to be given in 2001–02.

[*Comparative Literature 285. Comparative Romantic Theory: Seminar]

Catalog Number: 0752

James Engell

Half course (spring term). Hours to be arranged.

Intensive readings in Anglo-American and Continental theory of the Romantic period with relevant 20th-century commentary (e.g., Coleridge, Schelling, Keats, de Man, Todorov, and McFarland on allegory and symbol). Topics include language theory, irony, influence and originality, expression and reception, literary forms (genre), gender, and aesthetics.

Note: Expected to be given in 2001–02.

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 2001–02. Knowledge of Greek not required. Qualified undergraduates welcome.

***Comparative Literature 299ar (formerly *Comparative Literature 299a). Literary Theory: Proseminar**

Catalog Number: 2431

Barbara E. Johnson

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to some perennial problems in literary studies (mimesis, authorship, form) and to some of the ways in which these problems have been discussed in literary theory since the 1960's.

Note: Required of first-year graduate students in Comparative Literature; others may be admitted by permission of instructor.

Graduate Courses of Reading and Research

***Comparative Literature 396. Preparation for the General Examinations**

Catalog Number: 4570

Jan Ziolkowski 7275, Margaret Alexiou 1214, Sacvan Bercovitch 7638 (on leave fall term), Svetlana Boym 1926, Joaquim-Francisco Coelho 7715 (on leave spring term), James Engell 8076, Luis M. Girón Negrón 3060, George G. Grabowicz 4511, Karl S. Guthke 1715, Barbara E. Johnson 7626 (on leave fall term), Walter Kaiser 2561, Robert Kiely 1621, James L. Kugel



7575 (on leave spring term), Francisco Márquez 5064, Sandra Naddaff 7779, Gregory Nagy 1423 (on leave spring term), Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176 (on leave fall term), Susan R. Suleiman 7234 (on leave 2000-01), Maria Tatar 3645 (on leave 2000-01), William Mills Todd III 1634 (on leave spring term), and Ruth R. Wisse 3177

***Comparative Literature 397. Direction of Doctoral Dissertations**

Catalog Number: 0320

Jan Ziolkowski 7275, Margaret Alexiou 1214, Sacvan Bercovitch 7638 (on leave fall term), Svetlana Boym 1926, Joaquim-Francisco Coelho 7715 (on leave spring term), James Engell 8076, Luis M. Girón Negrón 3060, George G. Grabowicz 4511, Karl S. Guthke 1715, Barbara E. Johnson 7626 (on leave fall term), Walter Kaiser 2561, Robert Kiely 1621, James L. Kugel 7575 (on leave spring term), Francisco Márquez 5064, Sandra Naddaff 7779, Gregory Nagy 1423 (on leave spring term), Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176 (on leave fall term), Susan R. Suleiman 7234 (on leave 2000-01), Maria Tatar 3645 (on leave 2000-01), William Mills Todd III 1634 (on leave spring term), and Ruth R. Wisse 3177

***Comparative Literature 399. Reading and Research**

Catalog Number: 2893

Jan Ziolkowski 7275, Margaret Alexiou 1214, Sacvan Bercovitch 7638 (on leave fall term), Svetlana Boym 1926, Joaquim-Francisco Coelho 7715 (on leave spring term), James Engell 8076, Luis M. Girón Negrón 3060, George G. Grabowicz 4511, Karl S. Guthke 1715, Barbara E. Johnson 7626 (on leave fall term), Walter Kaiser 2561, Robert Kiely 1621, James L. Kugel 7575 (on leave spring term), Francisco Márquez 5064, Sandra Naddaff 7779, Gregory Nagy 1423 (on leave spring term), Stephen Owen 7418, Judith Ryan 1135, Marc Shell 3176 (on leave fall term), Susan R. Suleiman 7234 (on leave 2000-01), Maria Tatar 3645 (on leave 2000-01), William Mills Todd III 1634 (on leave spring term), and Ruth R. Wisse 3177

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



Michael S. Brandstein, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

James L. Frankel, Lecturer on Computer Science

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

Henry H. Leitner, Senior Lecturer on Computer Science

Harry R. Lewis, Gordon McKay Professor of Computer Science and Dean of Harvard College

Michael D. Mitzenmacher, Assistant Professor of Computer Science on the Gordon McKay Endowment

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)

Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy

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, Gordon McKay Professor of Computer Science (*on leave 2001-2002*)

Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering (*on leave spring term*)

S. Tucker Taft, Visiting Lecturer on Computer Sciences

Salil P. Vadhan, Assistant Professor of Computer Science on the Gordon McKay Endowment

Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics

James H. Waldo, Lecturer on Computer Science

Woodward Yang, Gordon McKay Professor of Electrical Engineering and Computer Science ()

The Division of Engineering and Applied Sciences offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended curricula may be obtained from the Academic Office, Pierce Hall 110a. Division faculty also offer several courses in the section entitled General Education Electives.

Primarily for Undergraduates

For information concerning concentration in Computer Science please consult the Director of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110a. The Applied Mathematics and Engineering Sciences sections of the catalog should be consulted for additional courses relevant to computer science. In addition, attention is called to the following courses in related fields: General Education 156, Linguistics 112a, 112b, Philosophy 144, Physics 123, Statistics 110, 111, 171.

Computer Science 50. Introduction to Computer Science I

Catalog Number: 4949



Stuart M. Shieber

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the intellectual enterprises of computer science. Algorithms: their design, specification, and analysis. Software development: problem decomposition, abstraction, data structures, implementation, debugging, testing. Architecture of computers: low-level data representation and instruction processing. Computer systems: programming languages, compilers, operating systems. Computers in the real world: networks, security and cryptography, artificial intelligence, social issues. Laboratory exercises include extensive programming in the C language and experimenting with and analyzing software systems.

Note: No previous computer experience required.

Computer Science 51. Introduction to Computer Science II

Catalog Number: 3411

Henry H. Leitner

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Abstract models for computational processes and their concrete realizations. Functional, imperative, and object-oriented styles of programming; processor and memory architectures; interpretation and compilation of programming languages. State-space search, finite-state processes, formal logic, data and functional abstraction, and syntactic and semantic formalisms as examples of useful abstractions. The engineering of complex software. Laboratory exercises using LISP, C++, and Java.

Prerequisite: Computer Science 50 or equivalent.

***Computer Science 91r. Supervised Reading and Research**

Catalog Number: 0361

Steven J. Gortler

Half course (fall term; repeated spring term). Hours to be arranged.

In this course a student may undertake supervised individual study of advanced topics in computer science beyond those covered in regular courses, or may participate in a computer science research project. Students writing theses may enroll in this course while conducting their thesis research and writing. A student wishing to enroll in Computer Science 91r must be accepted by a faculty member who will supervise the course work and will specify the syllabus or project description. A form available in the Division of Engineering and Applied Sciences Academic Office, Pierce Hall 110a, must be filled out with a description of the course work and the basis for its evaluation. This form must be signed by the student and the faculty supervisor and filed in the Academic Office by the date on which study cards are due. A written report of the work carried out in the course is ordinarily required by the beginning of the reading period.

Note: Ordinarily, at most two terms of Computer Science 91r may be taken for academic credit. May not be taken Pass/Fail. Students wishing more information about the range of suitable projects or faculty supervisors should consult the Director of Undergraduate Studies.

For Undergraduates and Graduates

Computer Science 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). M., W., 1–2:30. EXAM GROUP: 6, 7

Design and analysis of efficient algorithms. Data structure representations and their use for provably efficient implementation of abstract operations: searching, sorting, set manipulation. Memory management. Graph algorithms. General algorithm design techniques.

Prerequisite: Computer Science 51; some exposure to discrete applied mathematics, such as Applied Mathematics 106 or 107 or Computer Science 121 or Statistics 110, is helpful.

Computer Science 141. Computing Hardware

Catalog Number: 4357

Michael D. Smith

Half course (fall term). M., W., F., at 9, and laboratory hours to be arranged. EXAM GROUP: 2

Introduction to the design, structure, and operation of digital computers; logic circuits and digital electronics; computer arithmetic; computer architecture; and machine language programming.

Consideration of the design interactions between hardware and software systems.

Prerequisite: Computer Science 50.

Computer Science 143. Computer Networks

Catalog Number: 6401

H. T. Kung

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Architecture, design, and performance of computer networks. Topics include: the Internet protocols, local area networks, performance analysis, queueing theory, congestion control, multicast, quality of service, and network security. Programming exercises on protocol implementation.

Prerequisite: Computer Science 51.

Computer Science 144r (formerly Computer Science 144). Networks Design Projects

Catalog Number: 5415

H. T. Kung

Half course (spring term). W., F., 4–5:30. EXAM GROUP: 9

Cooperative design and development of a computer network or network-based service based on new and promising concepts which may still be under research. Exploration of real-world design concerns, including survey and critiques of relevant literature, early validation of proposed approach, design specification, implementation, testing, and evaluation. Students work in groups, and present weekly status reports. At the end of the class, students will defend their approaches and results in the presence of experts.

Note: Enrollment is Limited. Preference given to concentrators in Computer Science who are



proficient in computer programming.

Prerequisite: Computer Science 143 or equivalent experience.

Computer Science 146. Computer Architecture

Catalog Number: 6520

James L. Frankel

Half course (spring term). Tu., 2:30–5:30. EXAM GROUP: 16, 17, 18

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.

Edward J. Burdick

Half course (spring term). M., 2:30–5:30. EXAM GROUP: 7, 8, 9

Presentation of concepts and techniques for the design and fabrication of VLSI integrated circuits. Topics include: basic semiconductor theory; pn junctions; MOS transistors; integrated circuit fabrication technology; VLSI layout; digital MOS circuit design; memory and processor design; and testing of VLSI circuits. CAD tools for design and simulation are extensively used for homework assignments and for a large project assignment. High quality projects may be fabricated at an external VLSI foundry.

Prerequisite: Engineering Sciences 50 or Physics 15b, and Computer Science 141, or permission of instructor.

Computer Science 152. Principles of Programming Languages

Catalog Number: 6841

Norman Ramsey

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Intellectual tools needed to design, evaluate, and choose programming languages. Historical influence of theory, software engineering, and implementation technique on language design. Case studies, reinforced by programming exercises. Emphasizes advanced languages, abstraction mechanisms. Includes functional, object-oriented, and logic paradigms. Focuses on ideas and techniques most relevant to practitioners, but covers theoretical topics crucial for intellectual rigor: specification based on abstract syntax, lambda calculus, type systems, and dynamic semantics. Grounding sufficient to read professional literature.

Prerequisite: Computer Science 121. Students must have excellent programming skills. Must be comfortable with recursion and with basic mathematical ideas and notations.

Computer Science 153. Principles of Programming Language Compilation

Catalog Number: 2842

S. Tucker Taft

Half course (spring term). Tu., Th., 4:30–6. EXAM GROUP: 18

The underlying theory of the implementation of interpreters and compilers for programming languages, associated algorithms, and pragmatic issues. Theoretical emphasis on the relation to



programming language theory and practical emphasis on applications outside of programming language implementation proper. Topics include lexical analysis, parsing algorithms, type checking and inference, code generation, run-time issues, optimization.

Prerequisite: Computer Science 121 and 152.

Computer Science 161. Operating Systems

Catalog Number: 4347

Margo I. Seltzer

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The fundamental principles of resource management and abstraction in modern operating systems. Control abstractions: thread, processes, scheduling synchronization. Storage abstractions: dynamic memory allocation, virtual memory, file system design. Communication abstractions: interprocess communication, networking. Case studies. Design and implementation of parts of a multiuser multitasking virtual-memory operating system.

Note: Open to students who achieved an honor grade (B- or better) in Computer Science 51 and who have experience developing large software systems.

Prerequisite: Computer Science 51.

[Computer Science 165. Introduction to Database Systems]

Catalog Number: 4712

Half course (fall term). Hours to be arranged.

Design principles for modern distributed database systems. Topics include: extended E/R, relational and object-oriented data models; query processing, persistence, concurrency control, back-up and recovery; database connectivity; Java and XML languages; Web information organization, indexing and retrieval; search engines architecture and algorithms.

Note: Expected to be given in 2001–02.

Prerequisite: Computer Science 161 or permission of instructor.

Computer Science 175. Computer Graphics

Catalog Number: 3771

Steven J. Gortler

Half course (fall term). W., F., 4–5:30. EXAM GROUP: 9

The computational aspects of computer graphics. Two major themes are image rendering (viewing transformations, clipping, visible-surface processing, raster algorithms, reflection models, lighting models, surface shading, antialiasing, ray tracing, radiosity, and volume rendering) and scene modeling (modeling transformations, curves and surfaces, texture mapping, data-amplification techniques, constructive solid geometry, scalar- and vector-field data, and animation). Ancillary topics include color compression, image compression, image compositing, graphical user interfaces, and special machine architectures for computer graphics.

Prerequisite: Computer Science 51, Applied Mathematics 21b or Mathematics 21b.

Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty

Catalog Number: 6454

Avrom J. Pfeffer

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8



Introduction to artificial intelligence, focusing on problems of perception, machine learning and reasoning under uncertainty. Supervised learning algorithms. Neural networks and applications to character recognition. Statistical pattern recognition. Bayesian networks: representation, inference and learning. Hidden Markov models and applications to speech recognition. Markov decision processes and reinforcement learning.

Prerequisite: Computer Science 51, Computer Science 121 and Statistics 110, or equivalent.

Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans

Catalog Number: 0134

Barbara J. Grosz

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to AI focused on approaches to problems of reasoning about action. Search and game-playing. Knowledge representation. Partial-order planning; representations of actions; techniques for handling goal interactions. Resource-limited planning; situated agents. Discussion of relevant work in philosophy and decision theory; applications to vision, language, robotics.

Prerequisite: Computer Science 51; Computer Science 121 (may be taken concurrently).

Primarily for Graduates

Computer Science 220r. Cryptography: Trust and Adversity

Catalog Number: 1637

Michael O. Rabin

Half course (fall term). 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

Leslie G. Valiant

Half course (spring term). Hours to be arranged.

A quantitative theory of the resources needed for computing and the impediments to efficient computation. The models of computation considered include ones that are finite or infinite, deterministic, probabilistic, quantum or nondeterministic, discrete or algebraic, sequential or parallel.

Note: Expected to be given in 2001–02.

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). Hours to be arranged.

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 2001–02.

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

The course will focus on how Markov chains and random processes are used to analyze algorithms and network behavior. Reading current research in the area will be required. Topics may include heavy-tailed distributions, load balancing, stochastic bin-packing, and models of the Web.

Prerequisite: Computer Science 124. Preferably additional probability, such as in Computer Science 224r, Computer Science 226r, Statistics 110, or Mathematics 191.

[Computer Science 224r. Randomness in Computation]

Catalog Number: 3380

Michael O. Rabin

Half course (fall term). Hours to be arranged.

Exploration of the surprising efficacy of randomization in the solution of algorithmic and general computer science problems. Applications include number theoretic algorithms, cryptographic protocols, computations in finite fields, computational geometry. CS applications will include routing in networks, parallel algorithms, pattern matching, agreement protocols for distributed systems. We shall also deal with programs that check and correct their own work and with Probabilistically Checkable Proofs (PCP). The probability theory prerequisites will be covered.

Note: Expected to be given in 2001–02.

[Computer Science 226r. Efficient Algorithms]

Catalog Number: 1749

Michael O. Rabin

Half course (fall term). Hours to be arranged.

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 2002–03.

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 244r (formerly Computer Science 244). Advanced Networks Design Projects

Catalog Number: 3018

H. T. Kung

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 devise novel algorithms and protocols, and give research presentations. In addition, substantial implementation and documentation are required.

Note: Enrollment is limited. Preference given to graduate students, or upper-class concentrators, in Computer Science who are proficient in computer programming.

Prerequisite: Computer Science 143 or equivalent experience.

[*Computer Science 246 (formerly Computer Science 246r). Advanced Computer Architecture]

Catalog Number: 0979

Half course (spring term). Hours to be arranged.

The contents and course requirements are similar to those of Computer Science 146, with the exception that students enrolled in Computer Science 246 are required to conduct extra readings and to complete an additional term project.

Note: Expected to be given in 2001–02.

Prerequisite: Background in computer software and hardware, and permission of the instructor.

Computer Science 252r. Advanced Topics in Programming Languages

Catalog Number: 1986

Norman Ramsey

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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.

Prerequisite: Computer Science 152 or permission of the instructor.

[Computer Science 253. Advanced Principles of Programming Language Compilation]

Catalog Number: 2901

Michael D. Smith

Half course (spring term). Hours to be arranged.

In-depth introduction to compiler optimizations developed to exploit recent advances in computer architecture. Topics include scalar optimization, instruction scheduling for superscalar



and VLIW processors, data dependence analysis, interprocedural analysis on both array and pointer variables, cache optimizations such as blocking and prefetching.

Note: Expected to be given in 2001–02.

Prerequisite: Computer Science 153 or equivalent.

Computer Science 254r. Programming Methodologies

Catalog Number: 2767

Robert L. Walton

Half course (spring term). W., 4–6. EXAM GROUP: 9

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.

Prerequisite: Computer Science 51 and 121, or equivalent.

[Computer Science 261. Research Topics in Operating Systems]

Catalog Number: 6706

Margo I. Seltzer

Half course (fall term). .

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 2001–02.

Prerequisite: Computer Science 161, or equivalent.

[Computer Science 262. Introduction to Distributed Computing]

Catalog Number: 7949

James H. Waldo

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 2001–02.

Prerequisite: Computer Science 161 or permission of instructor.

Computer Science 265r (formerly Computer Science 265). Database Systems

Catalog Number: 4104

Margo I. Seltzer

Half course (fall term). 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 275. Advanced Computer Graphics

Catalog Number: 5495

Steven J. Gortler

Half course (fall term). W., F., 4–5:30. EXAM GROUP: 9

The contents and course requirements are similar to those of Computer Science 175, with the exception that students enrolled in Computer Science 275 are required to solve more difficult problem sets.

Prerequisite: Computer Science 51, Applied Mathematics 21b or Mathematics 21b.

Computer Science 276r. Computer Graphics, Special Topics

Catalog Number: 8097

Steven J. Gortler

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Seminar examining in detail some specific aspect of computer graphics. Specific topics which change from year to year may include: image based rendering, photo-realistic rendering, geometric representations, representations of motion and animations, computer graphics hardware. Students will make one oral presentation, and create a software implementation of one of the covered concepts.

Prerequisite: Computer Science 175 or 275, or permission of instructor.

[Computer Science 279. Topics in Computer-Human Interfaces, Information Retrieval and Visualization]

Catalog Number: 2407 Enrollment: Enrollment may be limited.

Stuart M. Shieber

Half course (spring term). Hours to be arranged.

Seminar providing background and current research in specific topics drawn from one or more of computer-human interfaces, information, retrieval, and information visualization. Intensive lab component emphasizes small group design and implementation of systems in these areas.

Note: Expected to be given in 2001–02.

Prerequisite: Computer Science 51 and experience developing large software systems as evidenced by successful completion of a systems course requiring a large project.

[Computer Science 281r. Artificial Intelligence: Reasoning and Planning Systems]

Catalog Number: 0707

Avrom J. Pfeffer

Half course (fall term). Hours to be arranged.

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 2001–02.

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., 2:30–4. EXAM GROUP: 7, 8

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

Michael S. Brandstein

Half course (fall term). Hours to be arranged.

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 2001–02.

Computer Science 285. Multi-agent Planning Systems

Catalog Number: 1060

Barbara J. Grosz

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Theories and techniques for multi-agent planning, including formal models of rational agents, collaborative plans, and social systems; computational approaches to distributed planning and problem solving, negotiation, and decision theory for planning; collaborative systems design.

Prerequisite: Computer Science 182 or permission of instructor.

***Computer Science 287r. Natural Language Processing**

Catalog Number: 3306

Stuart M. Shieber

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Principles and techniques of natural language processing, including grammar formalisms, syntactic analysis, semantic interpretation, and associated algorithms.

Prerequisite: Computer Science 121 and 152.

[Computer Science 288. Computational Models of Discourse]

Catalog Number: 1392

Barbara J. Grosz

Half course (spring term). Hours to be arranged.

Computational theories of discourse (text and dialogue) structure and processing. Topics include: anaphora, focusing, plans and speech acts, plan recognition algorithms, models of collaborative planning, intonation. Discussion of dialogue and text understanding systems. Application to the design of human-computer interface systems.



Note: Expected to be given in 2001–02.

Prerequisite: Computer Science 182 or 287r or equivalent, or permission of instructor.

Computer Science 299r. Special Topics in Computer Science

Catalog Number: 4592

Venkatesh Narayanamurti

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable computer science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is ordinarily taken with the approval of the Committee on Higher Degrees in certain cases when a letter grade is required. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Computer Science 305,306. Information Resources: Technology and Policy**

Catalog Number: 6364,3478

Anthony G. Oettinger 2403

***Computer Science 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. Programming Languages, Natural Language Processing, and Human-Computer Interfaces**

Catalog Number: 2450,2453

Stuart M. Shieber 2456 (on leave 2001-2002)

***Computer Science 325,326. Programming Languages and Tools**

Catalog Number: 8055,0747

Norman Ramsey 2831

***Computer Science 327,328. Mathematical Logic, Theory of Computation**

Catalog Number: 1160,3576

Harry R. Lewis 4455



***Computer Science 345,346. High-Performance Computer Systems**

Catalog Number: 6154,6156

Michael D. Smith 3372 (on leave spring term)

***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, Machine Learning, and Neural Computation**

Catalog Number: 0345,0346

Leslie G. Valiant 7396

***Computer Science 357. Computational Complexity, Cryptography, and Pseudorandomness**

Catalog Number: 3485

Salil P. Vadhan 3833 (spring term only)

***Computer Science 358. Computational Complexity, Cryptography, and Pseudorandomness**

Catalog Number: 8641

Salil P. Vadhan 3833 (spring term only)

***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 2000-2001. 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* is available as of September 15, 2000 at 404 Boylston Hall. *The Faculty Advisory Committee, an interfaculty committee, advises students interested in pursuing Ethnic Studies on their course selection, mentors available, and resources in and around Harvard.*

Core Courses in Ethnic Studies

Foreign Cultures 12. Sources of Indian Civilization

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations]

Foreign Cultures 48. The Cultural Revolution

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

Foreign Cultures 74. Cultures of Southern Europe

Foreign Cultures 80. The Cultural Identities of Modern Korea

Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture

Historical Study A-12. International Conflict and Cooperation in the Modern World

[Historical Study A-53. The Chinese Revolutionary Tradition]

[Historical Study A-74. Continuity and Change in Contemporary China: The People's Republic and Taiwan in the Modern World]

Historical Study A-77. The Emergence of Modern China, ca. 1600-2000

[Historical Study A-81. Chinese Emigration in Modern Times]

Historical Study B-52. Slavery and Slave Trade in Africa and the Americas

[Historical Study B-61. The Warren Court and the Pursuit of Justice, 1953-1969]

[Historical Study B-64. The Cuban Revolution, 1956-1971: A Self-Debate]

Literature and Arts A-58. Ethnicity, Modernity, and Modernism in 20th-Century Literature, Art, and Culture

Literature and Arts B-78. Soundscapes: World Music at Home and Abroad

Literature and Arts C-47. Language, Literature, and Power in the Early Modern Hispanic World (1492-1700)

[Social Analysis 38. Social Stratification]

Social Analysis 54. American Society and Public Policy

Courses with a Primary Focus of Ethnicity in the United States

[Afro-American Studies 123. Race, Nation, and Democracy]

Afro-American Studies 123z. American Democracy

[Afro-American Studies 135z. James Baldwin and Lorraine Hansberry]



[Afro-American Studies 140z. The Other African Americans]
Afro-American Studies 143. African-Americans and a New Racial Divide
[Afro-American Studies 165. Art and Colonialism]
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
***Afro-American Studies 197. Race, Class and Poverty in Urban America: Seminar**
English 90a (formerly English 182). Jewish Writers in America
General Education 175 (formerly Anthropology 199a). Native Americans in the 21st Century: Nation-Building I
Government 1577. Minority Politics in the United States.
***Government 1582. Explorations in American National Identity**
***History 1635 (formerly History 1659 and 90h). Race and Race Relations Since *Plessy*: Conference Course**
***History 1645 (formerly History 1607). History of American Immigration: Conference Course**
[History 1649. The American West: 1780-1930]
[*Religion 1005. World Religions in Boston: Research Seminar]
[Religion 1007. Religion in Multicultural America]
[Sociology 60. Race and Ethnic Relations]
[Sociology 68. Social Movements]
***Sociology 96. Individual Community Research Internship**
Sociology 114. The Experiences of Asian Americans: Sociological Perspectives
[Sociology 122. Topics in Racial and Ethnic Relations: Conference Course]
[Sociology 124. Social Stratification]
[Sociology 135. The Caribbean Experience in America]
Sociology 166. Poverty, Public Policy, and Controversy
[*Sociology 183. Prejudice, Politics, and Society: Conference Course]
[*Sociology 188. Lines that Divide: Race, Class, Gender, and Ethnicity in the Ethnographic Tradition: Conference Course]
[*Sociology 189. Culture and Race in the Development of American Society: Conference Course]
[*Sociology 221. Immigration, Identity and Assimilation: Seminar]
[*Sociology 239. Racial Identity, Politics, and Public Policy: Seminar]
Sociology 248. Race, Politics, and Social Inequality
[*Sociology 249. Race and Public Policy: Seminar]
[*Sociology 255. Social Stratification: Seminar]
[*Sociology 300. Workshop on "Race," Minority Studies and Public Policy]
Spanish 165. Bilingual Arts
Spanish 268. Telling Limits in American Ethnic Literatures
Women's Studies 137. Black Women's Representation: The Post-Civil Rights Generation

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. Africans, African-Americans and the Legacy of Slavery
Afro-American Studies 124y. Race: A Conceptual Exploration Seminar
[Afro-American Studies 125. Philosophical Problems of Race and Racism]
Afro-American Studies 126. Philosophical Perspectives on Issues of Race
Afro-American Studies 127. Marxist Theories of Racism
Afro-American Studies 131. Afro-American Literature to the 1920s
[Afro-American Studies 132. Afro-American Literature from the 1920s to the Present]
[Afro-American Studies 134. The Literature of Possession: Seminar]
[*Afro-American Studies 137z (formerly English 90ut). Black Women and Their Fiction]
[Afro-American Studies 138z. Interracial Literature]
[Afro-American Studies 140. Syncretism: Seminar]
[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]
[Afro-American Studies 165z. Art of the African Diaspora: Seminar]
[Comparative Literature 104. Jewish Autobiography from the Renaissance to the 20th Century]
[Comparative Literature 106x. Diaspora in Jewish Fiction]
Comparative Literature 166. The Comic Tradition in Jewish Culture
Economics 1357. Historical Perspectives on American Economic Ascendancy
Economics 1815 (formerly Economics 1015). Social Problems of the American Economy
English 17. American Literature to 1860
[Government 90q. U.S. – Latin American Relations]
Government 2577. Identity: Ethnicity, Nationalism and Race
[*Government 2900. U.S.–Latin American Relations]
Music 208r. Ethnomusicology: Seminar
[Psychology 1505. Intergroup Relations]
Religion 1525. Radical Movements in Modern America
Religion 1528. Globalization, Civil Religion and Human Values: Envisioning World Community
[Religion 1530r. Religious Values and Cultural Conflict: Seminar]
[Religion 1536. Theology and Culture]
[Religion 1726. Buddhism in America: Seminar]
Religion 2040. Religion and Human Rights
Religion 2042. Religion, Nationalism, and Peace
[Religion 2501. The Religious History of American Women: Seminar]
Sociology 40. Introduction to Human Societies
Sociology 137. Sociology of Identity
Sociology 145. Inequality in Industrial Society
[*Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course]
[Women's Studies 102 (formerly Women's Studies 10c). Gender and Inequality]
Women's Studies 155. Women, Girls, and Poverty: Conference Course

Courses Related to Ethnicity outside the United States



***Afro-American Studies 97b (formerly Afro-American Studies 12). Topics in Afro-American History and Society: Seminar**
Afro-American Studies 139. Black Travel Writing
[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]
[Afro-American Studies 165. Art and Colonialism]
[Afro-American Studies 165y. African Women in Art and History]
[Afro-American Studies 165z. Art of the African Diaspora: Seminar]
Anthropology 122. Japanese Culture and Society
[Anthropology 139. Power, Knowledge, and People in Sub-Saharan Africa]
[Anthropology 141. Society and History in Island Southeast Asia]
[Anthropology 184. Ethnicity in the Americas: The Indian Question]
Anthropology 213. Theories of Discourse in Middle Eastern Ethnography
[Anthropology 263. Transnationalism, Globalism, and Local Culture]
[Anthropology 274. Sovereignty, Ethnicity, and Pluralism]
Anthropology 277. Development Dilemmas
Armenian Studies 100. Armenian Epic
[Armenian Studies 102. Armenian Civilization]
Catalan Ba. Introduction to Catalan
***Catalan 91r. Supervised Reading and Research**
Chinese History 118. History of Relations between China and Inner Asia II
Comparative Literature 103r. Literature and Politics: The Case of Zionism
[Comparative Literature 104. Jewish Autobiography from the Renaissance to the 20th Century]
[Comparative Literature 106x. Diaspora in Jewish Fiction]
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 90aw. Asian-American Poetics**
***English 90cf. Caribbean Fictions**
***English 90li. The Idea of Ireland**
[*English 90vl (formerly *English 276x). African-American Literary Tradition]
***English 90wp (formerly *English 169). Black Playwrights of the World**
English 168 (formerly *English 90ai). Anglophone India
[Folklore and Mythology 115. The African Oral Tradition]
French 38b. Introduction to Francophone Literature
[French 70c. Introduction to French Literature III: The Francophone World]
[French 188. Women Francophone Writers]
[French 194. Francophone Film, Cinema, and Epic Fiction]
French 198. Nations of Writers: On Contemporary Francophone Literature
[French 289r. French African Literature: Seminar]
[Government 90ac. Urban Politics]
Government 90gs. Civil Society in Asia
Government 90jp. The Struggle for Palestine/Israel
[Government 90km. The Political Economy of Africa]
Government 1295. Comparative Politics in Latin America



Government 1760. International Relations of East Asia
Government 1968. International Politics in the Middle East
Government 2148. Civil Society, West and East
[*Government 2900. U.S.–Latin American Relations]
[Hebrew 150a (formerly Hebrew 150). Introduction to Rabbinic Literature]
Hebrew 150b. Introduction to Rabbinic Literature
Hebrew 157. Introduction to Medieval Hebrew Poetry
Hebrew 166. Topics in the History of Talmud Study
[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages]
Hebrew 176. Aristotle's *Ethics* in Medieval Jewish Thought
History 1741. Gender and History in Latin America
History 1759 (formerly History 1760b). The History of Latin America, 1914-2000
History 1765. Brazil, 1750-2000
History 1766. Latin American Intellectual and Cultural History: Conference Course
History 1901. The History of Africa to 1860
[History 1906. West Africa from the Earliest Times to 1800]
[History 1908. Rethinking Gender in African History: Conference Course]
[History 1913. 19th- and 20th-Century South African History]
[History 1914. Histories of the New South Africa: Conference Course]
History 1931. Europe in Africa & Africa in Europe: Conference Course
[*History 2781 (formerly *History 1781). Modern Mexican History: Seminar]
History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec
History of Art and Architecture 291. Visions and Virgins: Miraculous Images in Colonial Latin America
Islamic Civilizations 121. North Africa, 1500 to the Present
[Islamic Civilizations 124. Central Asian Culture and Society]
[Islamic Civilizations 125. History and Culture of Islamic Peoples of the Former Soviet Union]
Islamic Civilizations 160. The Meanings of Islam in Central Asia
[Jewish Studies 111. Modern Jewish Thought]
Jewish Studies 114. Modern Hebrew Literature in Translation
Jewish Studies 116. Messianism, Mysticism and Magic in Modern Jewish Literature
[Jewish Studies 117. Religious Elements in Modern Jewish Poetry]
[Literature 119. The Holocaust and Problems of Representation]
***Music 190r. Proseminar: Topics in World Music**
***Music 190rr. Proseminar: Topics in World Music**
[Music 194r (formerly Music 190r). Special Topics: Proseminar]
Music 208r. Ethnomusicology: Seminar
Music 270r. Special Topics
Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media
[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema]
[Portuguese 51. Journey Through Brazil: Advanced Writing and Reading in Portuguese]
Portuguese 121a. Introduction to the Literature of Brazil I
[Portuguese 121b. Introduction to the Literature of Brazil II]
[Portuguese 122b. Introduction to the Literature of Portugal II]
Religion 11. World Religions: Diversity and Dialogue



[Religion 14. Comparative Religious Ethics: An Introduction to the Study of Religion]

Religion 1001. Ethnographic Imaginations

[Religion 1010. Religious Life Among Indigenous Cultures in the Americas]

Religion 1017. New Religious Movements and Society: Conference Course

[Religion 1075. Jerusalem: An Interdisciplinary Inquiry]

[Religion 1420. History of Ancient Christianity from the Beginnings to the 4th Century]

[Religion 1536. Theology and Culture]

Religion 1700. Introduction to Buddhism

Religion 2040. Religion and Human Rights

Religion 2042. Religion, Nationalism, and Peace

[Romance Studies 171. The Spanish Civil War, from Two Sides of the Border]

Sociology 144. Immigration and Race: Canada: Conference Course

Sociology 148. Introduction to Comparative Societies

[*Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course]

[*Sociology 239. Racial Identity, Politics, and Public Policy: Seminar]

Spanish 35. Upper-Level Spanish I: Cuatro países latinoamericanos

[Spanish 47. Latin American Cultures]

Spanish 48. Perspectives on Mexico

[Spanish 71a (formerly Spanish 101a). Spanish American Literature from the Colony to Independence]

[Spanish 71b. Spanish American Literature of the 19th and 20th Centuries]

[Spanish 90g. Latin Quartet: Vallejo/Huidobro, Neruda/Paz]

[Spanish 90h. Indigenismos]

Spanish 121. Baroque/Neobaroque

[Spanish 132. Andean Voices, European Writing]

[Spanish 135. Writing Women: Language, Culture, and Difference in 20th-Century Spanish Narrative]

Spanish 161. Latin American Non-Fictional Prose

[Spanish 172. Barcelona, fin-de-siècle]

[Spanish 180. Ports of Call and Contact: Transatlantic Modernity]

Spanish 182. Culture and Society in the Caribbean (Caribbean Cultural Studies)

Spanish 186. Tobacco and Sugar

[Spanish 189. Colonial, Postcolonial]

Spanish 190. Postmodern Prose in the Southern Cone

Spanish 192. Music, Nation, and Migration (with Special emphasis on the Caribbean Experience)

[Spanish 194. Latino Cultures]

Spanish 201. The History of the Spanish Language

[Spanish 243. Foundational Fiction and Film]

Spanish 266. Cultural Criticism in Latin America

[Spanish 287r. Spanish Literature: Seminar]

Spanish 295r. Spanish-American Literature: Seminar

[Women's Studies 134. Women's Writing and Film in Latin America and the Caribbean]

Yiddish 102r. Modern Yiddish Literature I

[Yiddish 103r. Modern Yiddish Literature II]



Yiddish 105. Yiddish Language and Linguistic Theory
Yiddish 108. American Jewish Literature

Dramatic Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Dramatics

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English (*Chair*)

Robert Brustein, Professor of English

Marjorie Garber, William R. Kenan, Jr. Professor of English

Jorie Graham, Boylston Professor of Rhetoric and Oratory (*on leave spring term*)

Harry R. Lewis, Gordon McKay Professor of Computer Science and Dean of Harvard College

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature (*on leave spring term*)

Robert J. Orchard, Managing Director of the Loeb Drama Center and the American Repertory Theatre (*ex officio*)

Peter Sacks, Professor of English and American Literature and Language (*on leave spring 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 (*on leave 2000-01*)

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature

Other Faculty Offering Instruction in Dramatic Arts

Thomas Derrah, Lecturer on Dramatic Arts

Jeremy Geidt, Lecturer on Dramatic Arts

J. Michael Griggs,

Claire Mallardi, Lecturer on Dramatic Arts

Francois Rochaix, Lecturer on Dramatic Arts

Marcus Stern, Lecturer on Dramatic Arts

Scott Zigler, Lecturer on Dramatic Arts

Primarily for Undergraduates



Dramatic Arts 1. Introduction to Theatre

Catalog Number: 0845

Scott Zigler

Half course (fall term). M., 1:30–3:30. EXAM GROUP: 6, 7, 8

An introduction to and overview of the major collaborative elements of the theatre: playwriting, directing, designing, acting. Also a discussion of the current state of the theatre in America, giving special attention to productions at the Loeb and in the Boston area. (Students will be required to attend at least five different productions.) Students will do creative and collaborative work throughout the term, and members of the A.R.T. staff will give guest lectures in their areas of expertise.

***Dramatic Arts 11. Beginning Acting**

Catalog Number: 3321 Enrollment: Limited by audition.

Thomas Derrah

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An exploration of the basic techniques of acting, beginning with exercises that flex the imagination and heighten observation; the course will then move towards work on rhythm, an actor's instincts, focus, concentration, and character. The texts of Anton Chekhov will be used as a point of reference for the work. The latter part of the course will concentrate on selected scene study from Chekhov's major plays.

***Dramatic Arts 12. Acting Shakespeare**

Catalog Number: 6659 Enrollment: Limited by audition.

Jeremy Geidt

Half course (spring term). W., F., 10–11:30. EXAM GROUP: 3, 4

Investigation of the texts of Shakespeare as theatre, developing an American approach to verse speaking and character analysis. Scenes are rehearsed to interpret the verse and prose by the light of modern experience. Explores the imagination of the playwright in order to develop the imagination of the student.

Dramatic Arts 15. Movement for Actors and Directors

Catalog Number: 4908

Claire Mallardi

Half course (spring term). Tu., Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

Emphasis on the integration of verbal and non-verbal forms of communication focusing on movement and gesture as means to enhance, inform, and illuminate text. The goal is to achieve the fullest range and clarity of physical and emotional expression of the body as it moves in relation to the surrounding space. A physical experiential approach will be practiced through studies that pertain to the actor's presence on stage, concentrating on the structure, organization, and control of time, space, energy, and sound.

***Dramatic Arts 18ar. Intermediate and Advanced Acting: 20th-Century Texts**

Catalog Number: 8011 Enrollment: Limited by interview.

Marcus Stern

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A course of intermediate and advanced acting techniques using 20th-century dramatic texts for



scene work. Text analysis and the resulting character intentions and tactics are carefully examined. The goal of the course is to provide the actor with concrete skills that produce tangible results in rehearsal and on stage.

Note: This course may be repeated with instructor and advisor approval.

***Dramatic Arts 18br. Intermediate Acting: Classical Dramatic Texts**

Catalog Number: 5397 Enrollment: Limited by interview and audition.

Francois Rochaix and Scott Zigler

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An intermediate acting class exploring contemporary approaches to classical dramatic literature. The class will investigate methods of performance that make the material accessible and engaging for both actor and audience. The class will focus on analyzing texts through intensive scene-work, exploring dynamic and playable actions as well as approaches to comedy and style.

Note: This course may be repeated with instructor and advisor approval.

Prerequisite: Auditions consist of a prepared 2-minute monologue from any period presented at the class's first meeting.

***Dramatic Arts 19. Playwriting and Dramatic Technique**

Catalog Number: 8045 Enrollment: Limited to 10.

Gideon Michael Lester

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

An investigation of dramatic technique for students with some prior experience of playwriting. The seminar focuses on the structural principles of dramatic composition, examining paradigms from Aristotle to Gertrude Stein, and develops a formal methodology for playwriting. Through a series of exercises and draft scenes, students gain an understanding of theatrical craft, invaluable to playwrights and dramaturgs, and complete a major piece of dramatic writing.

Note: Admission based on samples of writing submitted to Course Instructor.

***Dramatic Arts 22r. Beginning and Intermediate Directing**

Catalog Number: 8160 Enrollment: Limited to 15.

Marcus Stern

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

A directing class for all levels of director and actor, from beginning to advanced. Course examines the directorial tools of text analysis, staging, design, and working with actors through constant scene work. The focus is on understanding texts and explicating your response to those texts on stage. This course is also useful for actors investigating all aspects of theater.

Note: This course may be repeated with instructor and advisor approval.

Prerequisite: Enrollment contingent on short interviews to be conducted on the first day of class.

Dramatic Arts 30. Design for the Theatre: History and Practice

Catalog Number: 8617

J. Michael Griggs

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

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.

Cross-listed Courses

Comparative Literature 151. The Faust Legend in Literature

[German 221. Goethe: Seminar]

[German 272. Gerhart Hauptmann's Major Plays: Seminar]

[Greek 105. Aristophanes]

Greek 106. Greek Tragedy

Literature and Arts A-35. Tragic Drama and Human Conflict

[Literature and Arts A-40. Shakespeare, The Early Plays]

Literature and Arts A-41. Shakespeare, The Later Plays

Literature and Arts B-55. Opera: Perspectives on Music and Drama

Literature and Arts C-14. The Concept of the Hero in Greek Civilization

[Literature and Arts C-25. The Medieval Stage]

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]

***Visual and Environmental Studies 131. Designing for the Stage: Studio Course**

[*Visual and Environmental Studies 132. Projects in Stage Design: Studio Course]

Earth and Planetary Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Earth and Planetary Sciences

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry (*on leave fall term*)

Jeremy Bloxham, Professor of Geophysics (*Chair*)

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

Stephen J. Gould, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology and Professor of Geology

Paul F. Hoffman, Sturgis Hooper Professor of Geology

John P. Holdren, Teresa and John Heinz Professor of Environmental Policy (*Kennedy School*)

Daniel J. Jacob, Gordon McKay Professor of Atmospheric Chemistry and Environmental Engineering

Stein B. Jacobsen, Professor of Geochemistry

Andrew H. Knoll, Fisher Professor of Natural History



Charles R. Marshall, Professor of Biology and of Geology
James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology, Master of Pforzheimer House, Director of the Museum of Comparative Zoology (*on leave fall term*)
Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
Richard J. O'Connell, Professor of Geophysics (*Head Tutor*)
James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
Allan R. Robinson, Gordon McKay Professor of Geophysical Fluid Dynamics
Daniel P. Schrag, Professor of Earth and Planetary Sciences (*Director of Graduate Studies*) (*on leave spring term*)
John H. Shaw, John L. Loeb Associate Professor of the Natural Sciences
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate of the Harvard Forest

Other Faculty Offering Instruction in the Department of Earth and Planetary Sciences

James L. Davis, Lecturer on Earth and Planetary Sciences
Ralph Mitchell, Gordon McKay Professor of Applied Biology

The following courses related to Earth and Planetary Sciences are offered in other departments:

Biology 107. Evolution of Plant Life in Geologic Time

Biology 118. Biological Oceanography

Engineering Science 162. Hydrology

Engineering Science 166. Air Pollution Modeling and Engineering

Primarily for Undergraduates

Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere

Catalog Number: 2207

Michael B. McElroy

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

An introduction to the scientific basis for current concerns regarding possible changes in the global environment. Issues addressed include climate; depletion of stratospheric ozone; regional air pollution; acid rain; disturbance of biogeochemical cycles for life; essential elements C, N, P, and S.

Earth and Planetary Sciences 6. Introduction to Environmental Science: The Solid Earth

Catalog Number: 2694

Göran Ekström

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 geology, with emphasis on environmental problems and hazards. Introduction to methods of risk assessment. Natural disasters: earthquakes; volcanoes; landslides; floods. Short- and long-term impact of human activity on the geological environment: radon and hazardous materials; drainage patterns and dams; ground water and subsidence. The development of scientific topics will form the bases for discussion of methods of risk reduction through policy and legislation.

Note: EPS 6 may not be counted for a degree in addition to EPS 7.

Earth and Planetary Sciences 7. Introduction to Geological Sciences

Catalog Number: 0918

Adam M. Dziewonski

Half course (fall term). M., W., F., at 10; three hours of laboratory work each week and two day-long field trips on separate weekends required. EXAM GROUP: 3

An introduction to Earth science designed for concentrators in geological, environmental, and geophysical sciences. Origin of the earth, its age and its evolution with an emphasis on the processes that shaped our planet. The theory of plate tectonics is used as a broad framework to explain the occurrence and distribution of earthquakes, volcanoes and mountains, and to explore the history of the earth's surface. Labs and the weekend field trip familiarize students with rock types, geological features, and maps, and expose them to how geologists infer processes from the rock record.

Note: Also appropriate for non-EPS concentrators who desire a comprehensive introduction to Earth science.

Earth and Planetary Sciences 8. History of the Earth

Catalog Number: 0166

Paul F. Hoffman 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

This course examines the major stages and critical events in the history of the earth with emphasis on the interactions between global tectonics, ocean-atmosphere processes (climate), and biological evolution. We will consider all time scales, from the formation of the earth and other planets, to catastrophic events that drove mass extinctions, to the most recent period of human interaction with the environment. Lectures will focus not only on descriptions of critical intervals, but also on what evidence exists to support these descriptions. Laboratories introduce methods of investigation and analysis of the geological record.

Note: This is one of three required introductory courses for EPS concentrators, along with EPS 5 and EPS 7.

Prerequisite: Secondary-school courses in science (physics, chemistry, biology) and calculus.

Earth and Planetary Sciences 30. Environmental Microbiology

Catalog Number: 4935

Ralph Mitchell

Half course (fall term). M., W., 12:30–2. EXAM GROUP: 5, 6

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.

Prerequisite: An introductory biology course, either at the high school or college level.

Earth and Planetary Sciences 50. Planetary Materials and Geochemistry

Catalog Number: 4726

Stein B. Jacobsen

Half course (spring term). M., W., 1–2:30, plus three hours per week of laboratory. EXAM GROUP: 6, 7

An introduction to rocks and minerals—the materials of the solid Earth and other solar system bodies. Fundamental principles of mineral structures, phase equilibrium, and the processes of formation of igneous and metamorphic rocks. Construction and interpretation of phase diagrams, models for melt generation and crystallization, and the metamorphic facies concept and thermal models of metamorphism. The relationship between rock-forming processes and plate tectonic setting. Laboratory emphasizes sample identification, optical mineralogy, x-ray diffraction, and electron microprobe methods.

Prerequisite: One basic Earth science course (e.g., EPS 7 or Science A-24), and Chemistry 5 or Chemistry 10 (may be taken concurrently).

***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, 50 or 171, are recommended, or permission of instructor.

***Earth and Planetary Sciences 91r. Supervised Reading and Research**

Catalog Number: 1462

Richard J. O'Connell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Intended for junior or senior concentrators in Earth and Planetary Sciences; open to sophomore concentrators only under exceptional circumstances. Permission of the faculty member under whom the student wants to work and of the Head Tutor is required for enrollment. May be counted for concentration only with the special permission of the Head Tutor.

***Earth and Planetary Sciences 99. Tutorial — Senior Year**

Catalog Number: 7120

Richard J. O'Connell and members of the Department

Full course. Hours to be arranged.

Note: Senior honors candidates must take at least one term of this course (fall or spring) if writing a thesis. Signature of the Head Tutor required for enrollment.

For Undergraduates and Graduates



[Earth and Planetary Sciences 106. Introduction to Planetary Physics]

Catalog Number: 1021

Jeremy Bloxham

Half course (spring term). Hours to be arranged.

An examination of the fundamental physical processes governing the structure and evolution of planets, and the observations used to constrain models of these processes. Concentrated on the study of Earth. Topics include gravity, rotation, and solar system dynamics; heat transfer and convection; magnetic field generation; seismology and structure of Earth's interior.

Note: Expected to be given in 2001–02.

Prerequisite: Physics 11 or 15, and Applied Mathematics 21 or Mathematics 21, or equivalents.

[Earth and Planetary Sciences 107. Environmental Geochemistry]

Catalog Number: 1242

Daniel P. Schrag

Half course (spring 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. The course will contain four units: Radioactivity, Metals in the earth, Carbon Cycle, and Climate Change. Each unit will cover issues of environmental significance 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 2001–02. Given in alternate years.

Prerequisite: A course in college-level chemistry or permission from the instructor.

Earth and Planetary Sciences 109. Earth Resources and the Environment

Catalog Number: 2218

John H. Shaw

Half course (spring term). Tu., Th., 10–11:30, Labs: to be arranged; 2.5 hours/week (inc. local field trips). EXAM GROUP: 12, 13

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 2001–02. Given in alternate years.

Prerequisite: EPS 6, 7, or 8, or permission of the instructor.

Earth and Planetary Sciences 131. Introduction to Physical Oceanography

Catalog Number: 2249

Allan R. Robinson

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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.

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., 10–11:30. EXAM GROUP: 12, 13

Physical concepts necessary to understand atmospheric structure and motion. Phenomena studied include the formation of clouds and precipitation, solar and terrestrial radiation, dynamical balance of the large-scale wind, and the origin of cyclones. Concepts developed for understanding today's atmosphere are applied to understanding the record of past climate change and the prospects for climate change in the future.

Prerequisite: Mathematics 21 or Applied Mathematics 21, Physics 11 or 15, or permission of instructor.

Earth and Planetary Sciences 133. Introduction to Atmospheric Chemistry

Catalog Number: 7731

Daniel J. Jacob

Half course (fall 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: Physics 1, Chemistry 10 or 7, and Mathematics 1.

[Earth and Planetary Sciences 140. Geochemical Thermodynamics]

Catalog Number: 1960

Stein B. Jacobsen

Half course (fall term). Hours to be arranged.

An introduction to the application of equilibrium thermodynamics to problems in Earth and planetary sciences. The laws of thermodynamics. Thermodynamic functions. Conditions for thermodynamic equilibrium and spontaneous transformations. Systems of variable chemical composition. Partial molar quantities. Selection of components and the Gibbs phase rule. Chemography and petrogenetic grids. Conditions for heterogeneous and homogeneous equilibrium. Equilibrium constants. Fugacities and activities. Entropy of mixing in ideal solid solutions. Calculation of binary and ternary phase diagrams. Conditions for stability. Excess functions. Mixed volatile equilibria. Thermodynamics of aqueous solutions. Examples and problems drawn primarily from igneous and metamorphic petrology and geochemistry.

Note: Expected to be given in 2001–02. 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). Tu., Th., 1–2:30. EXAM GROUP: 15, 16*

An introduction to the application of isotope geochemistry to the problems in earth and planetary sciences. The element and isotope distribution in the Earth and the Solar System. Closed system radioactive decay, Isotope fractionation, Mass balance, mixing and dilution. Radiogenic isotopes. Application of Rb-Sr, Sm-Nd, U-Th-Pb, Re-Os and K-Ar isotope systems for geochronology and as tracers for geological processes. Noble gas geochemistry. Extinct nuclides. Cosmogenic nuclides. U-series nuclides and their application to Quaternary chronology. Planetary isotopic evolution. Stable isotope geochemistry. Application of H, C, N, O and S isotopes as tracers of geochemical and biogeochemical processes.

Note: Given in alternate years.*Prerequisite:* Chemistry 10 or equivalent; EPS 6 or 7 or equivalent (recommended).**Earth and Planetary Sciences 161 (formerly Earth and Planetary Sciences 61). Global Tectonics**

Catalog Number: 1854

*Richard J. O'Connell**Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17*

Overview of geophysical and geological observations and phenomena related to large-scale tectonic processes. Plate tectonics; marine magnetic and paleomagnetic measurements; heat flow and thermal evolution of oceanic plates; earthquakes and volcanoes at plate boundaries. The rigid and nonrigid behavior of lithospheric plates; rates of crustal deformation; earthquakes within continents; mountain building and the support and evolution of mountain belts.

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 2001–02. 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., 10–11:30. One or two days of field work required. EXAM GROUP: 12, 13*



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 2001–02. Given in alternate years.

Prerequisite: Mathematics 21a and 21b or Applied Mathematics 21a and 21b. Some of the required mathematical tools are explained during the course.

[Earth and Planetary Sciences 171 (formerly Earth and Planetary Sciences 71). Structural Geology and Tectonics]

Catalog Number: 0319

John H. Shaw

Half course (spring term). Tu., Th., 10–11:30; Labs: to be arranged; 2 hours/week and one 3 day field trip. EXAM GROUP: 12, 13

An introduction to deformation of Earth materials, including mountain building and plate tectonics, faulting and earthquakes, folding, and ductile deformation. Forces acting on rocks and resultant strains will be examined for a variety of pressure and temperature conditions. Rock fracture and faulting will be studied through numerical approaches, analog experiments, geologic maps, and cross sections. Ductile deformation mechanisms will be examined through microscopic investigation of rock fabrics. Labs will introduce modern applications of structural geology to the energy and environmental industries and for assessing earthquake hazards by using balanced cross sections, seismic reflection data, and satellite imagery.

Note: Expected to be given in 2001–02. Given in alternate years.

Prerequisite: EPS 6, 7, or 8, or permission of the instructor.

Earth and Planetary Sciences 180. Sedimentary Basins

Catalog Number: 6992

Paul F. Hoffman

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Formation and evolution of sedimentary basins on continental crust (including passive margins, fore-arc and back-arc basins, rift systems and strike-slip basins, foreland and cratonic basins). Case studies of several examples of each basin type will be examined, with emphasis on stratigraphic architecture and relation to crustal deformation.

Prerequisite: EPS7 or EPS8 or permission of the instructor.

Earth and Planetary Sciences 181. Invertebrate Paleontology

Catalog Number: 5162

Andrew H. Knoll and Charles R. Marshall

Half course (spring term). Tu., Th., 10–11:30; 3 hours of lab weekly. 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 2 (formerly Biology 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 166. Principles of Environmental Data Analysis, Measurements, and Modeling]

Engineering Sciences 167. Environmental Assessment

Engineering Sciences 168. Aquatic Chemistry

Primarily for Graduates

Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics

Catalog Number: 2675

Daniel J. Jacob

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A comprehensive treatment of the chemistry and physics of the atmosphere. Introduction to thermodynamics, kinetics and photochemistry in the atmosphere, with applications to stratospheric and tropospheric chemistry and pollution. Includes fundamentals of radiative transfer and simple models of the influence of trace gases on the earth's climate.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11 or 15, and Chemistry 10, or more advanced courses; or permission of the instructors.

[Earth and Planetary Sciences 201. Physics of the Earth's Interior]

Catalog Number: 4004

Richard J. O'Connell

Half course (fall term). Hours to be arranged.

Comprehensive review of the physics of Earth's interior. Deals primarily with the solid behavior of the Earth. Topics include: continuum mechanics; elastic and viscous materials; physics of solids; thermodynamics; solid body rotational dynamics; and potential theory. Applications include: seismic waves and the structure and state of the Earth's interior; elastic and viscous deformation of the mantle and lithosphere; gravity field; Earth rotation and dynamics; mantle convection and heat transport.

Note: Expected to be given in 2001–02.

Prerequisite: Applied Mathematics 105a and 105b, Physics 15 or equivalent. Preparation should be discussed with the instructor.

Earth and Planetary Sciences 202. Introduction to the Dynamics of Atmospheres and Oceans

Catalog Number: 2624



Allan R. Robinson

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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.

Prerequisite: Applied Mathematics 105b, Physics 11 or 15, or equivalent.

Earth and Planetary Sciences 205. Inverse Theory and Time Series Analysis

Catalog Number: 4426

Adam M. Dziewonski

Half course (fall term). Hours to be arranged.

Techniques of data analysis and reduction in the Earth sciences. Topics: statistical parameter estimation; Backus-Gilbert linear inference; generalized inversion; stochastic inversion; Bayesian inference and confidence set inference; Fourier series and transforms, discrete Fourier transforms; digital filter design; multichannel filtration.

Prerequisite: Applied Mathematics 105a,b.

[Earth and Planetary Sciences 206. Space Geodesy for Earth Scientists]

Catalog Number: 8218

James L. Davis

Half course (spring term). Hours to be arranged.

Space geodesy for the study of the solid Earth, the atmosphere, and the ocean. The determination of geophysical signals from space geodetic observables. Topics include the Global Positioning System, very long baseline interferometry, satellite-laser ranging, the TOPEX/POSEIDON altimeter, interferometric SAR, and several future space missions.

Note: Expected to be given in 2001–02. 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 2001–02. Given in alternate years.

Earth and Planetary Sciences 221. Topics in Environmental Microbiology

Catalog Number: 7183

Ralph Mitchell

Half course (fall term). Hours to be arranged.

Discussion of current research on environmental microbiology. Bioremediation of hazardous chemicals. New approaches to pest control. Ecological disturbances and emergent new diseases. The fate of genetically engineered microorganisms. Indicators of water-borne disease.

Prerequisite: An introductory biology course.



***Earth and Planetary Sciences 231. Physical and Dynamical Oceanography**

Catalog Number: 6492

Allan R. Robinson

Half course (spring term). Hours to be arranged.

Theory and observation of the general ocean circulation and its variabilities; the fields of temperature, salinity, and density of the ocean; relationship to intermediate and small scale transient and turbulent processes. Topics in interdisciplinary dynamics of the sea.

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 on a wide range of scales and the relation of these motions to weather and climate. Applications of the equations governing atmospheric dynamics and thermodynamics to specific phenomena including cyclogenesis, stationary waves, and the formation of fronts.

Prerequisite: Applied Mathematics 105b or permission of instructor.

Earth and Planetary Sciences 236. Atmospheric Physics

Catalog Number: 7250

Steven C. Wofsy

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

A comprehensive treatment of the chemical cycles of gases and aerosols containing carbon, hydrogen, nitrogen, oxygen, and sulfur on the earth. Biogeochemical mechanisms regulating global processes will be discussed in the framework of observations of the earth system. Global atmospheric change in response to human and natural influences and the origin and evolution of atmospheric gases will be examined.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11 or 15, and Chemistry 10, or more advanced courses; or permission of the instructors.

Earth and Planetary Sciences 240. Geochemical Kinetics

Catalog Number: 0187

Stein B. Jacobsen

Half course (spring term). Hours to be arranged.

Irreversible thermodynamics, heat flow and diffusion equations and K-U-Th geochemistry. Mass transfer between reservoirs; mantle and crustal evolution, geochemical cycles, determination of temperature-time-pressure histories of rocks from radiogenic isotope systems, geothermometers and geobarometers. Geochemical studies of hydrothermal systems, metasomatism, and diagenesis.

Note: 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 and Trace Element Geochemistry]

Catalog Number: 1680

Stein B. Jacobsen

Half course (spring term). Hours to be arranged.

Cosmic abundances, meteorites, bulk composition of the Earth's crust and mantle, geochemical cycles, residence times, element partition rules, mixing processes, stable isotopes, radiogenic isotopes, critical evaluation of experimental data. Application of mass spectrometry for the determination of isotope and trace element variations.

Note: Expected to be given in 2001–02. Given in alternate years.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a, b, and EPS 140.

Earth and Planetary Sciences 242. Biogeochemistry of Light Stable Isotopes

Catalog Number: 8808 Enrollment: Limited to 10. Limited to 10.

Daniel P. Schrag

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

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

Jeremy Bloxham and Richard J. O'Connell

Half course (spring term). Hours to be arranged.

The course will address the physics and chemistry of the core-mantle boundary region. Topics will include the cooling of the core by the mantle and the thermal and chemical evolution of the core: core-mantle interactions, including the exchange of angular momentum between the core and the nature of D", including constraints on topography on the core-mantle boundary, anisotropy, and low velocity zones.

Note: Expected to be given in 2001–02. This course will be given simultaneously with a research seminar in the Department of Earth, Atmospheric and Planetary Sciences at MIT and will involve participants from both institutions.

Earth and Planetary Sciences 263. Earthquake Source Processes

Catalog Number: 0542

James R. Rice

Half course (fall term). Hours to be arranged. EXAM GROUP: 11, 12

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.



Prerequisite: EPS 166 or equivalent and further advanced study at the 200 level in seismology or solid mechanics.

[Earth and Planetary Sciences 264r. Topics in Planetary Magnetism]

Catalog Number: 1429

Jeremy Bloxham

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2001–02.

Prerequisite: Applied Mathematics 105a,b, Physics 153 or equivalent, or permission of instructor.

Earth and Planetary Sciences 265r. Topics in Geodynamics

Catalog Number: 0816

Richard J. O'Connell

Half course (spring term). Hours to be arranged.

Topics in the dynamics of processes in the Earth's interior and the physical properties of the Earth's interior, including: thermal convection and flow in the mantle, heat transport, rheology of the mantle, plate motions, plate deformation, physical properties of rocks and minerals.

[Earth and Planetary Sciences 266r. Topics in Seismology: Earth Structure]

Catalog Number: 2895

Adam M. Dziewonski

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8, 9

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 2001–02.

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). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Treats the theory and observational techniques used in the study of low-frequency seismic waves in the Earth. Free oscillations of a spherical Earth; effects of rotation, asphericity and heterogeneity. Mode splitting and coupling. Surface and body waves: dispersion attenuation, refraction and reflection. Seismic source representation and retrieval; centroid-moment tensor (CMT) analysis.

Note: Expected to be omitted in 2001–02. Given in alternate years.

Prerequisite: Applied math 105a, b or EPS 166 or equivalent preparation.



[Earth and Planetary Sciences 268r. Topics in Seismology: Earthquakes]

Catalog Number: 3021

Göran Ekström

Half course (spring term). Hours to be arranged.

Topics in seismology related to the earthquake source process. Focuses on observational and computational methods for determining earthquake parameters from seismic data. Kinematic and dynamic models of the earthquake source and their parameterization; modeling of seismic waveforms; inverse methods for parameter estimation. Topics vary from year to year.

Note: Expected to be given in 2001–02.

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 omitted in 2001–02. Given in alternate years.

Prerequisite: EPS 71 or equivalent.

[Earth and Planetary Sciences 271r (formerly Earth and Planetary Sciences 271). Supercontinents]

Catalog Number: 2515

Paul F. Hoffman

Half course (spring term). Hours to be arranged.

Geodynamics of the assembly and fragmentation of supercontinents through geologic time. The relationships of supercontinents to mantle convection and plumes, geomagnetic reversal frequency, and true polar wander. Supercontinents and their effects on ocean circulation, eustasy, paleoclimates, and biological evolution. Comparative tectonics of Archean, Proterozoic, and Phanerozoic supercontinents.

Note: Expected to be given in 2001–02.

Prerequisite: Two of EPS 5, EPS 7, EPS 8, or permission of the instructor.

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.

Prerequisite: One basic earth science course (e.g., EPS5, EPS6, EPS7, EPS8, Science A-24, Science A-30, Science A-37, Science B-16, Science B-34) or permission of the instructors.

Earth and Planetary Sciences 285r. Analytical Paleontology

Catalog Number: 2132

Charles R. Marshall

Half course (fall term). Hours to be arranged.

A general treatment of different approaches to designing and testing quantitative models in paleobiology. Topics include, but will not be restricted to: determining times of origin and extinction; dissecting diversity dynamics; assessing the absolute completeness of the fossil record; stratigraphy and phylogeny reconstruction.

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 (on leave fall term)

***Earth and Planetary Sciences 331. Atmospheric Chemistry**

Catalog Number: 4038

Daniel J. Jacob 1781

***Earth and Planetary Sciences 332. Dynamic Meteorology**

Catalog Number: 2802

Brian F. Farrell 7628

***Earth and Planetary Sciences 333. Atmospheric Chemistry: Research Seminar**

Catalog Number: 1510

Daniel J. Jacob 1781 and Members of the Department

Half course (fall term; repeated spring term). F., at 12.

***Earth and Planetary Sciences 334. Atmospheric Physics and Chemistry**

Catalog Number: 4886

Michael B. McElroy 2462

***Earth and Planetary Sciences 335. Physical and Dynamical Oceanography**

Catalog Number: 3095

Allan R. Robinson 2133



***Earth and Planetary Sciences 337. Biological Oceanography**

Catalog Number: 5704

James J. McCarthy 4343 (on leave fall term)

***Earth and Planetary Sciences 338. Atmospheric Chemistry**

Catalog Number: 7596

Steven C. Wofsy 4396

***Earth and Planetary Sciences 340. Topics in Isotope Geochemistry: Research Seminar**

Catalog Number: 2881

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 341. Isotope Geochemistry**

Catalog Number: 7103

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 344. Topics in Stable Isotope Geochemistry and Geochemical Oceanography**

Catalog Number: 6291

Daniel P. Schrag 3054 (on leave spring term)

***Earth and Planetary Sciences 362. Dynamo Theory: Research Seminar**

Catalog Number: 1840

Jeremy Bloxham 2047

***Earth and Planetary Sciences 363. Tectonophysics, Earthquake Source Physics**

Catalog Number: 8664

James R. Rice 7270

***Earth and Planetary Sciences 364. Geophysics**

Catalog Number: 1438

Jeremy Bloxham 2047

***Earth and Planetary Sciences 365. Geophysics**

Catalog Number: 5632

Richard J. O'Connell 3642

***Earth and Planetary Sciences 367. Seismology**

Catalog Number: 4447

Adam M. Dziewonski 3641

***Earth and Planetary Sciences 368. Seismology**

Catalog Number: 4932

Göran Ekström 2682



***Earth and Planetary Sciences 370. Structural Analysis**

Catalog Number: 9046

John H. Shaw 3699

***Earth and Planetary Sciences 380. Precambrian Geology**

Catalog Number: 1161

Paul F. Hoffman 1507

***Earth and Planetary Sciences 383. Paleobiology**

Catalog Number: 7946

Stephen J. Gould 1707

***Earth and Planetary Sciences 385. Analytical Paleontology**

Catalog Number: 8129

Charles R. Marshall 2823 (2823)

***Earth and Planetary Sciences 387. Paleobotany**

Catalog Number: 6983

Andrew H. Knoll 7425

East Asia Programs

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Council on East Asian Studies

William C. Kirby, Edith and Benjamin Geisinger Professor of History and Director of the Asia Center (*Chair*)

William P. Alford, Henry L. Stimson Professor of Law (*Law School*)

Peter K. Bol, Harvard College Professor and Professor of Chinese History (*on leave fall term*)

Harold Bolitho, Professor of Japanese History

James K.M. Cheng, Librarian of the Harvard-Yenching Library

Carter J. Eckert, Professor of Korean History, Director of the Korea Institute (*on leave spring term*)

Andrew Gordon, Professor of History

William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)

Akira Iriye, Charles Warren Professor of American History

Wesley M. Jacobsen, Professor of the Practice of the Japanese Language

Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and



Sciences (*on leave 2000-01*)

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations

Leo Ou-Fan Lee, Professor of Chinese Literature

Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science

David McCann, Korea Foundation Professor of Korean Literature

Stephen Owen, James Bryant Conant University Professor

Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy

Elizabeth J. Perry, Henry Rosovsky Professor of Government

Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics

Michael Robin Reich, Professor of Population and International Health (*Public Health*)

Jay Rubin, Takashima Professor of Japanese Humanities (*on leave 2000-01*)

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*on leave spring term*)

James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society

Michael Y. Yoshino, Herman C. Krannert Professor of Business Administration (*Business School*)

By a resolution of the Faculty of Arts and Sciences of April 11, 1972, the Council on East Asian Studies and its Executive Committee are appointed by the Dean in consultation with the Faculty Council to supervise such interdepartmental and other committees concerned with East Asian Studies as the Dean may designate.

Courses on East Asian languages, early history, literature, and thought are listed under East Asian Languages and Civilizations. Other courses on East Asia are listed under the Core Curriculum, Anthropology, Economics, Fine Arts, Government, History, Linguistics, Psychology, Sociology, and the Study of Religion.

Pamphlets describing the degree programs and course offerings on East Asia may be obtained at the offices of the Committee concerned, listed below.

The Harvard University Asia Center was created in 1997. The Center supports research, teaching, and public programs on Asia throughout the University. 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*)

Edwin A. Cranston, Professor of Japanese Literature

Elizabeth J. Perry, Henry Rosovsky Professor of Government

Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics

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 Ph.D. work in an East Asian specialization;



and (2) for students who wish to equip themselves for nonacademic work. The program, which normally requires two years for completion, aims to make the student broadly conversant with the societies of the region, and also to give him or her a sound knowledge of one of the languages of the area. Details may be obtained from the Committee's offices at Coolidge Hall 102, 1737 Cambridge Street, MA, 02138 or (617) 495-3777.

Faculty of the Standing Committee on the Ph.D. in History and East Asian Languages

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations (*Chair*)

Peter K. Bol, Harvard College Professor and Professor of Chinese History (*on leave fall term*)

Harold Bolitho, Professor of Japanese History

Carter J. Eckert, Professor of Korean History, Director of the Korea Institute (*on leave spring term*)

Andrew Gordon, Professor of History

William C. Kirby, Edith and Benjamin Geisinger Professor of History and Director of the Asia Center

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History

Established in 1941 to administer the Ph.D. 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 Ph.D. 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. Further information may be obtained from the office of the Committee, at Coolidge Hall 102, 1737 Cambridge Street, 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, Eileen Cheng-yin Chow 2308 (spring term only), Akira Iriye 1968, Alastair Iain Johnston 3213, William C. Kirby 3128 (spring term only), David McCann 3635 (spring term only), Stephen Owen 7418 (spring term only), Michael James Puett 1227 (spring term only), James L. Watson 2172 (spring term only) 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.

East Asian Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of East Asian Languages and Civilizations

Peter K. Bol, Harvard College Professor and Professor of Chinese History (*Chair*) (*on leave fall term*)

Stephen Owen, James Bryant Conant University Professor (*Acting Chair* (*fall term*))

Mikael Adolphson, Assistant Professor of Japanese History

Harold Bolitho, Professor of Japanese History

Kwang-Chih Chang, John E. Hudson Research Professor of Archaeology

Eileen Cheng-yin Chow, Assistant Professor of Chinese Literary and Cultural Studies

Albert M. Craig, Harvard-Yenching Research Professor of History

Edwin A. Cranston, Professor of Japanese Literature

Carter J. Eckert, Professor of Korean History, Director of the Korea Institute (*on leave spring term*)

Mark Christopher Elliott, Visiting Associate Professor of Inner Asian Studies (*University of California Santa Barbara*)

Yu Feng, Preceptor in Chinese

Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies

Andrew Gordon, Professor of History

Patrick D. Hanan, Victor S. Thomas Research Professor of Chinese Literature

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society

Baozhang He, Senior Preceptor in Chinese and Director of the Chinese Language Program

Christopher Laing Hill, Lecturer on History and Literature

Wenze Hu, Preceptor in Chinese

Jiha Hwang, Preceptor in Korean (*Director of the Korean Language Program*)

Wilt Lukas Idema, Professor of Chinese Literature (*on leave 2001-2002*)

Wesley M. Jacobsen, Professor of the Practice of the Japanese Language

Sun Joo Kim, Assistant Professor of Korean History

Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations

Leo Ou-Fan Lee, Professor of Chinese Literature



Aimin Li, Preceptor in Chinese
Wai-yee Li, Professor of Chinese Literature
Yuehua Liu, Preceptor in Chinese
Satomi Matsumura, Senior Preceptor in Japanese
David McCann, Korea Foundation Professor of Korean Literature
Kenichi Miura, Preceptor in Japanese
Susan Jolliffe Napier, Visiting Associate Professor of Japanese Literature, Visiting Professor of Japanese Literature
Binh Ngo, Preceptor in Vietnamese
Yori Oda, Senior Preceptor in Japanese
Sang-suk Oh, Preceptor in Korean
Wayne Patterson, Visiting Professor of Korean History (*St. Norbert College*) (*spring term only*)
Michael James Puett, John L. Loeb Associate Professor of the Humanities
Paul Rouzer, Preceptor in Literary Chinese
Jay Rubin, Takashima Professor of Japanese Humanities (*on leave 2000-01*)
Xiaofei Tian Owen, Preceptor in Chinese
Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies
Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*on leave spring term*)

Committee for the Social Science Program in East Asian Studies of the Department of East Asian Languages and Civilizations

Andrew Gordon, Professor of History (*Chair*)
Carter J. Eckert, Professor of Korean History, Director of the Korea Institute (*on leave spring term*)
William C. Kirby, Edith and Benjamin Geisinger Professor of History and Director of the Asia Center
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.”

In May 1990, the Faculty voted to merge the two undergraduate concentrations of East Asian Languages and Civilizations and of East Asian Studies into a single concentration under the Department of East Asian Languages and Civilizations. During the transitional year of 1990–91, there were two separate concentrations, but all sophomores entered the merged program. As of 1991–92, the name of the concentration was changed to East Asian Studies. All sophomores and juniors are part of the merged program, and there is a single administration under the Department of East Asian Languages and Civilizations.



The concentration draws upon faculty working on East Asian topics from the Department of East Asian Languages and Civilizations and from other departments. It offers both a humanities track, in which the history, literature, philosophy, and religion of premodern and modern times are studied, and a social science track, stressing approaches to modern East Asia drawn from the social science disciplines. For further information about the merger and requirements, contact the main office of East 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.

Tutorials in East Asian Studies

Primarily for Undergraduates

***East Asian Studies 91r. Supervised Reading and Research**

Catalog Number: 0961

Andrew Gordon (fall term), David McCann (spring term) 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

Helen Hardacre (spring term), Michael James Puett (fall term) and members of the Department. Half course (fall term; repeated spring term). Tu., 2–3:30. EXAM GROUP: 16, 17

Note: Required of sophomore concentrators.

***East Asian Studies 98r. Tutorial — Junior Year**

Catalog Number: 0342

Andrew Gordon (fall term), David McCann (spring term) and members of the Department. Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of junior concentrators. Divided into sections specializing in China, Japan, Korea, and Vietnam.

***East Asian Studies 99. Tutorial — Senior Year**

Catalog Number: 0384

Andrew Gordon (fall term), David McCann (spring term) and members of the Department. Full course. Hours to be arranged.

Thesis guidance under faculty direction.

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

An exploration of the character of East Asian Mahâyâna Buddhism as revealed not only in the systematic exposition of its doctrines, but also, and especially, in its cultic practices, beliefs, and iconography. Taking the bodhisattva as both the fullest embodiment of Mahâyâna's ideals and the chief focus of its piety, this course will trace the transformations wrought in the cults and images of the great bodhisattvas—most particularly Manjusri—from the 2nd through the 12th century in the course of Buddhism's encounter principally with Chinese but also with Korean and Japanese civilization.

Note: 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: 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 of the religion 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 2001–02. 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 2001–02.

[East Asian Buddhist Studies 120. Buddhist Apologetics in East Asia]

Catalog Number: 0692



Robert M. Gimello

Half course (fall term). Hours to be arranged.

A treatment of the process by which Buddhism in China, Korea, and Japan came to define itself either over and against other religious and intellectual traditions like Confucianism, Daoism, and Shintō or in ecumenical relation to them. Historical examples of Buddhism's response to other traditions will be considered in light of modern theories of inter-religious dialogue.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3524.

Primarily for Graduates

[East Asian Buddhist Studies 206. Hua-yen: The Formation of a Chinese School of Buddhism]

Catalog Number: 8231

Robert M. Gimello

Half course (spring term). Hours to be arranged.

Readings in the literature of the early Hua-yen tradition of Buddhist thought and practice (6th through early 9th centuries), selected to allow consideration of the ways in which medieval Chinese Buddhist thinkers, responding to the particular circumstances of Chinese religious life, undertook to reshape the Indian Buddhist worldview so as to establish its consonance with indigenous Chinese concepts, values, and institutions.

Note: Expected to be given in 2001–02.

Prerequisite: Basic knowledge of Classical Chinese required.

[East Asian Buddhist Studies 210r. Topics in East Asian Buddhism]

Catalog Number: 7624

Robert M. Gimello

Half course (spring term). To be arranged.

Examination of various themes and issues in the history of medieval and early modern Chinese, Korean, and/or Japanese Buddhism.

Note: Expected to be given in 2001–02. A reading knowledge of Classical Chinese is required.

East Asian Buddhist Studies 212. Later Huayan Buddhism

Catalog Number: 7986

Robert M. Gimello

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

A study of the intellectual history of Huayan (Korean: Hwaom, Japanese: Kegon) Buddhism focusing in Song China, Koryo Korea, and late Heian/Kamakura Japan. Special attention will be given to the relation between Huayan and Chan (Son/Zen). Reading knowledge of classical Chinese is required.

Note: Offered jointly by the Divinity School as 3862.

East Asian Buddhist Studies 213. Buddhist Monks and Literati Culture in the Song

Catalog Number: 3295

Robert M. Gimello and Peter K. Bol

Half course (spring term). Hours to be arranged. EXAM GROUP: 6, 7

Graduate reading course on relations between monks and literati in the Song period.



Cross-listed courses

History of Art and Architecture 182x. Ritual and Representation: The Buddhist Art and Architecture of Japan: Proseminar

History of Art and Architecture 289. Topics in Chinese Buddhist Art

***South Asian Buddhist Studies 303 (formerly *Buddhist Studies 303). Reading and Research**

China: Language Courses

For Undergraduates and Graduates

Chinese Aab. Intensive Elementary Modern Chinese

Catalog Number: 0625

Xuedong Wang

Full course (fall term). M. through F., 1–3. EXAM GROUP: 6, 7, 15, 16

Intensive introduction to modern standard (Mandarin) Chinese pronunciation, grammar, conversation, reading, and writing.

Note: Satisfies prerequisite for 2nd year Chinese.

Chinese Ba. Elementary Modern Chinese

Catalog Number: 4375

Aimin Li

Half course (fall term). Section I: Tu., Th., at 9; Section II: Tu., Th., at 10; Section III: Tu., Th., at 11; Section IV: Tu., Th., at 2, and three additional hours to be arranged. EXAM GROUP: 6

Nonintensive introduction to modern Chinese pronunciation, grammar, conversation, reading, and writing.

Note: No auditors permitted. May not be taken Pass/Fail.

Chinese Bb. Elementary Modern Chinese

Catalog Number: 8714

Aimin Li

Half course (spring term). Section I: Tu., Th., at 9; Section II: Tu., Th., at 11; Section III: Tu., Th., at 2, and three additional hours to be arranged. EXAM GROUP: 6

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

Wenze Hu

Half course (fall term). Section I: Tu., Th., at 10; Section II: Tu., Th., at 2; and three additional hours to be arranged. EXAM GROUP: 12

For students with significant listening and speaking background. Introductory Modern Chinese language course, with emphasis on reading and writing. Covers in one semester the equivalent of Chinese Ba and Bb.



Note: No auditors permitted. May not be taken Pass/Fail. Students must pass a test in listening and speaking to take the course.

Chinese 100 (formerly Chinese 100r). Mandarin Pronunciation and Grammar for Speakers of Cantonese Dialects

Catalog Number: 7291

Baozhang He

Half course (spring term). Tu., Th., at 2, and one additional hour to be arranged. EXAM GROUP: 16

An introduction to modern Chinese pronunciation. Offering a systematic contrast and comparison between the sound and syntactic systems of the two dialects, for students who are native speakers of Cantonese and have a strong background in reading. Those who wish to continue will be prepared for Chinese 113b, Advanced Conversational Chinese.

Chinese 101a. Intermediate Modern Chinese

Catalog Number: 4283

Baozhang He

Half course (fall term). Section I: Tu., Th., at 9; Section II: Tu., Th., at 10; Section III: Tu., Th., at 2, and three additional hours to be arranged. EXAM GROUP: 13

Modern texts, conversation, reading, and composition.

Prerequisite: Chinese Bb or equivalent.

Chinese 101b. Intermediate Modern Chinese

Catalog Number: 1702

Baozhang He and Xuedong Wang

Half course (spring term). Section I: Tu., Th., at 9; Section II: Tu., Th., at 10; Section III: Tu., Th., at 2, and drill sections MWF at 9, 10 and 2. EXAM GROUP: 11

Continuation of Chinese 101a.

Chinese 101x. Intermediate Modern Chinese for Advanced Beginners

Catalog Number: 7034

Wenze Hu

Half course (spring term). Section I: Tu., Th., at 10; Section II: Tu., Th., at 2, and three additional hours to be arranged. EXAM GROUP: 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

Xuedong Wang

Full course (spring term). M. through F., 1–3. EXAM GROUP: 6, 7, 15, 16

Continuation of Chinese Aab.

Note: Satisfies prerequisite for 3rd year Chinese.

Prerequisite: Chinese Aab, or Ba and Bb, or equivalent.

Chinese 105a. Advanced Modern Chinese

Catalog Number: 6724



Yu Feng

Half course (fall term). Section I: M., W., at 10; Section II: M., W., at 11; Section III: M., W., at 2, and three additional hours to be arranged. EXAM GROUP: 4

A study of writings selected from modern Chinese literature, academic works and newspaper articles aimed at enhancing and further developing the student's proficiency in modern Chinese language.

Note: Conducted in Chinese.

Prerequisite: Two years of modern Chinese.

Chinese 105b. Advanced Modern Chinese

Catalog Number: 2917

Yu Feng

Half course (spring term). Section I: M., W., at 10; Section II: M., W., at 11; Section III: M., W., at 2, and three additional hours to be arranged. EXAM GROUP: 3, 4

Continuation of Chinese 105a.

Note: Conducted in Chinese.

Prerequisite: Chinese 105a.

Chinese 108a. Cantonese

Catalog Number: 0223

Baozhang He and staff

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Nonintensive introduction to Cantonese dialect. Emphasizes basic pronunciation and colloquial usage.

Note: Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years' formal study of Mandarin.

Chinese 108b. Cantonese

Catalog Number: 0831

Baozhang He and staff

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16

Continuation of Chinese 108a.

Note: Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin and Chinese 108a or equivalent.

Chinese 110a. Advanced Readings in Modern Chinese

Catalog Number: 1945

Yuehua Liu

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 1; and 1 additional hour to be arranged. EXAM GROUP: 2

Rapid reading of selections from books and articles.

Note: Conducted in Chinese.

Prerequisite: Chinese 105b.



Chinese 110b. Advanced Readings in Modern Chinese

Catalog Number: 6844

Yuehua Liu

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 1; and 1 additional hour to be arranged. EXAM GROUP: 2, 6

Continuation of Chinese 110a.

Chinese 111r (formerly Chinese 111a). Readings in Modern Chinese Literature and Culture

Catalog Number: 7049

Leo Ou-Fan Lee

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

For graduate students and advanced undergraduates who have taken Chinese 110ab or had equivalent background. Rapid and extensive reading of a large number of primary texts of modern Chinese fiction and prose as well as Chinese scholarly articles and books in order to prepare students to do research.

Note: Conducted entirely in Chinese. Expected to be offered in 2001-2002.

Chinese 113a. Advanced Conversational Chinese

Catalog Number: 3900

Yu Feng

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

Yu Feng

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 183. Being Chinese: Contemporary Cultural Debates

Catalog Number: 5179

Xiaofei Tian Owen

Half course (fall term). Tu., Th., 12–1:30. EXAM GROUP: 14, 15

This course is designed for both undergraduate and graduate students and intends to explore a series of heated contemporary cultural debates in China that are all concerned about the “Chinese identity” and the notion of “greater cultural China” in the age of globalization. Readings for this course draw on essays, critical writings, and movie reviews published in current Chinese literary and cultural journals as well as on Chinese Internet. In relation to the readings the students will also watch some relevant Chinese movies made in the 1980s-1990s.

Note: Class conducted in Chinese.

Prerequisite: Four years of Mandarin or equivalent (with instructor’s permission).



Chinese 185. Chinese Martial Arts Fiction and the Myth of Jin Yong

Catalog Number: 3974

Xiaofei Tian Owen

Half course (spring term). Tu., Th., at 12 and an hour to be arranged. EXAM GROUP: 14

This course will look at Jin Yong and modern Chinese martial arts fiction as a cultural phenomenon. Readings from Jin Yong's fiction and from other writers such as Liang Yusheng and Gu Long, as well as critical essays, conference papers, interviews, newspaper articles about the recent Jin Yong debate, and the popular Jin Yong manga recently finished by a Singapore graphic artist. Film versions of some of Jin Yong's novels will also be shown.

Note: Class conducted in Chinese.

Prerequisite: Four years of Mandarin or equivalent (with instructor's permission).

Chinese 187. Art and Politics in the Cultural Revolution

Catalog Number: 1253

Xiaofei Tian Owen

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Art, literature, and politics probably have never been so closely related in Chinese history as in the Cultural Revolution period (1966-1976). Readings will range from political essays of the period to fiction and poetry, to the eight "Revolutionary Operas," and to the memoirs of experiences in the Cultural Revolution by famous writers such as Yang Jiang and Ba Jin. Film and documentaries will also be shown throughout the term.

Note: Class conducted in Chinese.

Prerequisite: Four years of Mandarin or equivalent (with instructor's permission).

Primarily for Graduates

Chinese 215. Cultural and Literary Discourse in Premodern China

Catalog Number: 8043

Xiaofei Tian Owen

Half course (fall term). M., 2–3:30, W., 4–5:30. EXAM GROUP: 7, 8, 9

Reading and discussing writing in literary or early vernacular Chinese, with special attention to Chinese scholarship. The topic for Fall 2000 will be the Six Dynasties. Conducted in Chinese.

Note: Class conducted in Chinese.

Prerequisite: Four years of Mandarin or equivalent; two years of Literary Chinese or equivalent (with instructor's permission).

[Chinese Linguistics 200. Introduction to Teaching of Modern Chinese Language]

Catalog Number: 5108

Baozhang He

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2001–02.



Literary Chinese Courses

Chinese 106a. Introduction to Literary Chinese

Catalog Number: 1185

Paul Rouzer

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

Basic grammar and the reading of simple texts.

Prerequisite: At least one year of modern Chinese, or familiarity with Chinese characters through knowledge of Japanese or Korean.

Chinese 106b. Introduction to Literary Chinese

Catalog Number: 3600

Paul Rouzer

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11. EXAM GROUP: 3

Continuation of Chinese 106a.

Prerequisite: Chinese 106a or permission of instructor.

Chinese 107a. Intermediate Literary Chinese

Catalog Number: 3343

Paul Rouzer

Half course (fall term). Tu., Th., at 12, and one additional hour to be arranged. EXAM GROUP: 14

A second-year course in literary Chinese, covering the genres and styles used in the imperial period. Historical, literary, and religious texts in both poetry and prose will be read.

Prerequisite: One year of literary Chinese.

Chinese 107b. Intermediate Literary Chinese

Catalog Number: 6931

Paul Rouzer

Half course (spring term). Tu., Th., at 12, and one additional hour to be arranged. EXAM GROUP: 14

Continuation of 107a.

Prerequisite: Chinese 107a or equivalent.

China: History Courses

For Undergraduates and Graduates

[Chinese History 111. Introduction to Chinese History: Pre-Imperial and Imperial China, ca. 1700 B.C.–A.D. 755]

Catalog Number: 7133

Michael James Puett

Half course (spring term). 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 2001–02. No prior course work in Chinese history is presupposed.

[Chinese History 112. Introduction to Chinese History: Late Imperial China, 755-1700]

Catalog Number: 7695

Peter K. Bol

Half course (spring term). Hours to be arranged.

Surveys the changing development of political institutions, social and economic organization, cultural pursuits, and intellectual values from the middle of the T'ang to the early Ch'ing dynasty and current interpretations thereof.

Note: Expected to be given in 2001–02.

[Chinese History 115. Intellectual Change in 17th-Century China: Conference Course]

Catalog Number: 4806

Peter K. Bol

Half course (spring term). Hours to be arranged.

Examines the literati search for values in the context of the social and political upheavals of the 17th century. Topics include the growing tensions within neo-Confucianism, the revival of Buddhist and Taoist movements, the impact of the Jesuits, new trends in literature and art, and the emergence of “evidential learning” as a new mode of intellectual activity.

Note: Expected to be given in 2001–02.

Chinese History 116a (formerly Chinese History 116). Intellectual History of China to the Mid T'ang Dynasty

Catalog Number: 1057

Michael James Puett

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A survey of Chinese intellectual history from antiquity to the end of the T'ang dynasty.

Particular emphasis will be placed on the classical philosophers, including Confucius, Chuang Tzu, Lao Tzu, Mencius, and Hsün Tzu.

Note: 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 2001–02.

Chinese History 118. History of Relations between China and Inner Asia II

Catalog Number: 3074



Mark Christopher Elliott (University of California Santa Barbara)

Half course (spring term). Th., 3–6. EXAM GROUP: 17, 18

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: Some knowledge of Chinese is recommended but not required. Previous enrollment in Chinese History 117 is not a prerequisite.

Cross-listed Courses

[Historical Study A-13. China: Tradition and Transformation]

[Historical Study A-81. Chinese Emigration in Modern Times]

Primarily for Graduates

[Chinese History 211. Materials and Methods of Sinology: Proseminar]

Catalog Number: 4895

Michael James Puett

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[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 2001–02.

Prerequisite: One year of literary Chinese or the equivalent.

[Chinese History 225r. Topics in Sung History: Seminar]

Catalog Number: 5075

Peter K. Bol

Half course (spring term). Hours to be arranged.

Examines various topics in the political, social, and intellectual history of Sung China.

Note: Expected to be given in 2001–02.

Prerequisite: Knowledge of literary Chinese.

[Chinese History 226. Introduction to Sources for Local History]

Catalog Number: 7114

Peter K. Bol

Half course (fall term). Hours to be arranged.

Introduction to the reading and interpretation of various kinds of sources from the Sung, Yuan, and Ming periods useful in the study of local history. Recent scholarship and methodological issues are also discussed.

Note: Expected to be given in 2001–02.

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 2001–02.

Prerequisite: Knowledge of literary Chinese.

[Chinese History 228. Introduction to Neoconfucianism: Seminar]

Catalog Number: 7159

Peter K. Bol

Half course (fall term). Hours to be arranged.

Introduces major Neo-Confucian texts for close reading and analysis. Selections from the writing and records of spoken instruction by Zhou Dunyi, Chang Zai, Cheng Yi, Cheng Hao, Zhu Xi, Lu Jiuyuan, Wang Shouren, and others.

Note: Expected to be given in 2001–02.

Prerequisite: One year of literary Chinese or the equivalent.

[Chinese History 229r (formerly Chinese History 227r). Topics in Ming History]

Catalog Number: 6649

Peter K. Bol

Half course (spring term). Hours to be arranged.

Examines various topics in the intellectual and cultural history of Ming China.

Note: Expected to be given in 2001–02.

Prerequisite: Knowledge of literary Chinese.

[Chinese History 232. Topics in Han History: Seminar]

Catalog Number: 0170

Michael James Puett

Half course (fall term). Hours to be arranged.

Examines various topics in the history of the Han Dynasty.

Note: Expected to be given in 2002–03.

Chinese History 233. Sources for Early Chinese History

Catalog Number: 9387

Michael James Puett

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

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.

Chinese History 234. The Historiography of Early Chinese History

Catalog Number: 8694

Michael James Puett



Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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.

[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 2001–02.

[Chinese History 237. Introduction to Shang and Western Zhou Inscriptional Materials: Seminar]

Catalog Number: 1507

Michael James Puett

Half course (fall term). Hours to be arranged.

An introduction to the reading of inscriptional materials from the Bronze Age.

Note: Expected to be given in 2002–03.

Chinese History 240r (formerly Chinese History 240). Readings in Chinese Intellectual History

Catalog Number: 7633

Wei-Ming Tu

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8

Selected readings of the Mencian tradition in Neo-Confucianism with emphasis in the writings of Lu Xiangshan, Wang Yangming, and Liu Zhongzhou.

Note: Offered jointly with the Divinity School as 3520.

Prerequisite: Knowledge of literary Chinese.

[Chinese History 251. Confucian Ethics: Proseminar]

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 2001–02. 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 omitted in 2001–02. Expected to be given in 2002–03. Expected to be omitted 2001-02. Offered jointly with the Divinity School as HDS

Cross-listed Courses



[History 2830a. Late Imperial and Modern Chinese History: Conference Course]
[*History 2831r. Research Topics in Modern Chinese History: Conference Course]
[History 2847. 20th-Century China: Seminar]
History 2848a. Introduction to Archival Research in Chinese History: Conference Course
History 2848b. Introduction to Archival Research in Chinese History: Seminar
Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community

China: Literature Courses

For Undergraduates and Graduates

Chinese Literature 120. Contemporary Chinese Fiction and Criticism: Conference Course
Catalog Number: 8319

Leo Ou-Fan Lee

Half course (spring term). Hours to be arranged. EXAM GROUP: 16, 17

A conference course focusing on fictional works published in the last two decades, particularly by woman writers from Shanghai, Taiwan and Hong Kong (Wang Anyi, Zhu Tianwen, Zhu Tianxin, Xi Xi, Huang Biyun et al), mostly in English translation. Chinese language background desired but not required.

Chinese Literature 125. Modern Chinese Literature in Translation

Catalog Number: 1162

Eileen Cheng-yin Chow

Half course (spring term). Tu., Th., at 11 and additional evening film screenings. EXAM GROUP: 13

Readings of major works in modern Chinese literature, centering on the interaction between literary texts and other cultural, artistic, and social domains from the late 19th century to the present.

Chinese Literature 130. Screening Modern China: Chinese Film and Culture

Catalog Number: 7241

Eileen Cheng-yin Chow and Leo Ou-Fan Lee

Half course (fall term). Tu., Th., at 11; Tu., 7–10 p.m. EXAM GROUP: 13

How do Chinese films between the two fin-de-siècles create the spectacle of “China” at home and abroad? Course topics include: the cinematic histories of China, Taiwan, and Hong Kong; the origins of early Chinese cinema and the larger context of 1930s Shanghai urban culture; film’s relationship to literary and pop culture discourses (music, soap opera, fanzines); aesthetic responses to historical crises (Taiwan’s 228 Incident, the Cultural Revolution, 1997 Hong Kong handover), “spectacular” violence and the martial arts genre.

Note: Lectures and readings in English, plus weekly film screenings. No prior background in subject matter required.

[Chinese Literature 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 Amitav Ghosh, Ruth Ozeki, Pai Hsien-yung, Salman Rushdie, and films *Mississippi Masala*, *The Wedding Banquet*, and *Chungking Express*.

Note: Expected to be given in 2001–02.

[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 2001–02.

[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 2001–02.

Chinese Literature 158. Passion and Duty in Chinese Drama

Catalog Number: 8085

Wilt Lukas Idema

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Traditional and modern Chinese literature have a rich dramatic tradition. Following a general introduction to the theater in China in its historical development, we will read (in translation) representative plays from the major dramatic genres from the 13th to the 20th century. In the discussion of these plays, drawing upon existing scholarship and criticism, we will emphasize the ways in which the conflict between passion (love, revenge) and duty (filial piety, loyalty to the state) is dealt with in each case.

Chinese Literature 159. Filial Piety in Chinese Literature

Catalog Number: 1790

Wilt Lukas Idema

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7



Filial piety is a central value in traditional Chinese culture. Perhaps because it is an unavoidable duty and not a matter of choice, it does not play the important role in Chinese literature one might expect. In this course we will look at the various ways in 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.

Chinese Literature 160. Heroes and Anti-heroes in Chinese Literature: Seminar

Catalog Number: 9930

Wai-ye Li

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

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.

Prerequisite: Ability to read pre-modern vernacular Chinese is required.

Cross-listed Courses

History of Art and Architecture 182. Pictorial Intelligence in Later Chinese Art:

Proseminar

Literature and Arts B-48. Chinese Imaginary Space

Women's Studies 104. Gender, Race, and Class in Asian America: An Introduction

Primarily for Graduates

Chinese Literature 201a. History of Chinese Literature: Beginnings through Song

Catalog Number: 0165

Stephen Owen

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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). Th., 1–3. EXAM GROUP: 15, 16

This course is a continuation of Chinese Literature 201a, History of Chinese Literature, Beginnings through Song, taught by Prof. Stephen Owen. The course aims to provide an in depth



overview of the development of Chinese literature during the late imperial period, with special (but not exclusive) emphasis on the development of vernacular literature.

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). Tu., 2–5. EXAM GROUP: 16, 17, 18

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.

[Chinese Literature 220. Modern Chinese Literary History: Proseminar]

Catalog Number: 2144

Leo Ou-Fan Lee

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The historical background, scholarly sources, and analytical approaches in the study of modern Chinese literature.

Note: Expected to be given in 2001–02.

Prerequisite: Command of modern Chinese.

Chinese Literature 224r (formerly Chinese Literature 224). Topics in Modern Chinese Literature

Catalog Number: 4997

Leo Ou-Fan Lee

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Studies of urban literature in Shanghai.

Prerequisite: Advanced command of modern Chinese.

Chinese Literature 225. Visual Evidence: Seminar in Modern Chinese Literary Culture

Catalog Number: 7222

Eileen Cheng-yin Chow

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

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). Tu., 12–2. EXAM GROUP: 14, 15



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.

Chinese Literature 227. Early Chinese Historiography: Seminar

Catalog Number: 3773

Wai-yee Li

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

We will study *Zuozhuan* and *Shiji* and ponder early Chinese conceptions of history by examining rhetorical and narrative modes. The focus will be problems of interpretation, that is, how these texts represent the possibilities and limits of historical knowledge, the roles and functions of interpreters, and the evolution and disintegration of interpretive structures.

Prerequisite: Reading knowledge of classical Chinese is required.

Chinese Literature 228. Asian Modernities: An Introduction to Critical Theory

Catalog Number: 7357

Eileen Cheng-yin Chow

Half course (spring term). W., 4–6. EXAM GROUP: 9

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: Graduate seminar; qualified undergraduates may enroll with permission of instructor.

Knowledge of one Asian literary or cultural tradition helpful.

[Chinese Literature 229. Reading Classical Prose]

Catalog Number: 5113

Stephen Owen

Half course (spring term). .

Selected readings in classical prose, with special attention to traditional criticism and interpretation.

Note: Expected to be given in 2001–02.

Prerequisite: Two years of literary Chinese or the equivalent.

Chinese Literature 230. The Vernacular Short Story (*huaben xiaoshuo*); Historical and Critical Approaches

Catalog Number: 6268

Wilt Lukas Idema

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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.



[Chinese Literature 251. Readings in Liaozhai Zhiyi]

Catalog Number: 6657

Wilt Lukas Idema

Half course (fall term). Hours to be arranged.

In this course we will read a selection of stories from Pu Song Ling's masterwork, paying special attention to the development of the text. We will compare the author's own handwritten copy to later manuscripts and the earliest printed versions. We will also look at the annotated editions, and adaptations in various genres.

Note: Expected to be given in 2001–02.

[Chinese Literature 255. Readings in Yuan Drama]

Catalog Number: 3239

Wilt Lukas Idema

Half course (spring term). Hours to be arranged.

The course will focus on plays that portray poets during a critical moment in their career.

Various stages in the development of the zaju text will be covered. The differences between the various editions will be discussed in relation to the changing needs of the uses of the texts.

Note: Expected to be given in 2001–02.

Chinese Literature 266r. Topics in Classical Chinese Literature: Seminar

Catalog Number: 6253

Stephen Owen

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Topic for this year will be the poetry of Du Fu.

Prerequisite: Two years of literary Chinese.

Cross-listed Courses

[Anthropology 296r. Chinese Social Anthropology: Seminar]

Comparative Literature 100c. The Literary World 1000-1500

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 fall term), Eileen Cheng-yin Chow 2308, Yu Feng 2825, Robert M. Gimello 9240, Patrick D. Hanan 1413, Baozhang He 3351 (spring term only), Wilt Lukas Idema 2511 (on leave 2001-2002), Philip A. Kuhn 8051, Leo Ou-Fan Lee 3299, Wai-yee Li 3357, Stephen Owen 7418, Michael James Puett 1227, Paul Rouzer 3705, and Wei-Ming Tu 7233

Japan: Language Courses

For Undergraduates and Graduates



***Japanese Aab. Intensive Elementary Japanese**

Catalog Number: 1910

Yori Oda

Full course (fall term). M. through F., at 9; M. through F., at 11, and five additional hours to be arranged. EXAM GROUP: 2, 11

Introduction to modern Japanese: listening, speaking, reading, and writing skills. Mastery of *hiragana*, *katakana*, and approximately 150 Chinese characters.

Japanese Ba. Elementary Japanese

Catalog Number: 2014

Satomi Matsumura

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 6

Introduction to modern Japanese: listening, speaking, reading, and writing skills. Mastery of *hiragana*, *katakana*, and approximately 100 Chinese characters.

Japanese Bb. Elementary Japanese

Catalog Number: 8728

Satomi Matsumura

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 6

Continuation of Japanese Ba. Approximately 150 additional Chinese characters.

Prerequisite: Japanese Ba or equivalent.

Japanese 101a. Intermediate Japanese

Catalog Number: 8152

Satoru Ishikawa

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 6

Second-year intermediate level course aimed at consolidation of the basic grammatical patterns of Japanese and development of reading, writing, speaking, and listening skills to the level necessary for communication in everyday life in Japanese society. Introduction of approximately 700 Chinese characters beyond those introduced in Bab.

Prerequisite: Japanese Bb or equivalent.

Japanese 101b. Intermediate Japanese

Catalog Number: 6433

Satoru Ishikawa

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 6

Continuation of Japanese 101a.

***Japanese 102ab. Intensive Intermediate Japanese**

Catalog Number: 7228

Yori Oda

Full course (spring term). M. through F., at 11; M. through F., at 9, and five additional hours to



be arranged. EXAM GROUP: 4, 13

Intermediate level course aimed at the mastery of basic grammatical patterns and at increasing the previously learned patterns and vocabulary to a much more sophisticated level. Aural, oral, reading, and writing skills are equally emphasized.

Prerequisite: Japanese Aab, Ba and Bb, or equivalent.

Japanese 103a. Modern Written Japanese

Catalog Number: 4855

Kenichi Miura

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

Third-year intermediate advanced course. Development of skills in reading authentic materials from contemporary Japanese media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. Development of speaking and writing skills to an increasingly sophisticated level. Introduction of approximately 700 additional Chinese characters beyond those introduced in 101ab.

Prerequisite: Japanese 101b or equivalent.

Japanese 103b. Modern Written Japanese

Catalog Number: 6904

Kenichi Miura

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2, 3, 6

Continuation of Japanese 103a.

Japanese 104a. Advanced Modern Japanese

Catalog Number: 3688

Kiyomi Nakamura

Half course (fall term). M. through F., at 9. 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

Kiyomi Nakamura

Half course (spring term). M. through F., at 9; M. through F., at 11. 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 12. EXAM GROUP: 5

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 1. EXAM GROUP: 6

Introduction to *Kambun*.

Prerequisite: Japanese 106a or equivalent.

[Japanese 106c. Later Classical Japanese]

Catalog Number: 7307

Edwin A. Cranston

Half course (spring term). Hours to be arranged.

Post-Heian writings in Classical Japanese.

Note: Expected to be given in 2001–02.

Prerequisite: Japanese 106a or equivalent.

Japanese 107. Japanese Historical Writing

Catalog Number: 1293

Harold Bolitho

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An introduction to historical source materials from the Tokugawa period (1600-1868).

Japanese 110a. Readings in the Social Sciences

Catalog Number: 4693

Kiyomi Nakamura

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

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

Kiyomi Nakamura

Half course (spring term). Tu., Th., at 9, F., at 1. EXAM GROUP: 6, 11

Continuation of Japanese 110a.

Prerequisite: Japanese 110a.

Primarily for Graduates

Japanese 209a. Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 9182

Wesley M. Jacobsen

Half course (fall term). Hours to be arranged.

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 Chinese or Korean.

Japanese 209b. Reading Academic Japanese for Students of Chinese and Korean

Catalog Number: 8918

Wesley M. Jacobsen

Half course (spring term). M., W., F., at 9 and an additional 1 1/2 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

Mikael Adolphson

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Bibliography and techniques of research in Japanese Studies.

Japan: History Courses

For Undergraduates and Graduates

Japanese History 111a. The Early History of Japan: Conference Course

Catalog Number: 3616

Mikael Adolphson

Half course (fall term). 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). W., 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 112. Interpreting Edo Biographies

Catalog Number: 9368

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, eminent and otherwise, of the Tokugawa period.

Japanese History 116a. History of Japanese Religions: Conference Course

Catalog Number: 0675

Helen Hardacre

Half course (fall term). Tu., 1–3. EXAM GROUP: 16, 17

A historical overview of Japanese religions from earliest times to 1600.

Note: Jointly offered with the Divinity School as 3522.

Japanese History 116b. History of Japanese Religions: Conference Course

Catalog Number: 2712

Helen Hardacre

Half course (spring term). Hours to be arranged. EXAM GROUP: 16, 17

A historical survey of Japanese religions from 1600 to the present.

Note: Jointly offered with the Divinity School as 3523.

[Japanese History 117. Religion and Gender in Japanese History: Conference Course]

Catalog Number: 5709

Helen Hardacre

Half course (fall term). Hours to be arranged.

Examines religions' contribution to the construction of gender, focusing on central images (e.g., the nun, shaman, Buddhist monk, female and male religious founders), and patterns of religious action (e.g., evangelism, shamanism, healing, and prophecy) in relation to changes in marriage, divorce, the practice of medicine, sexuality, and constructions of the body.

Note: Expected to be given in 2001–02. Jointly offered with the Divinity School as 3811.

[Japanese History 119. From Gods to Sovereigns: The History and Historiography of Early Japan]

Catalog Number: 2510

Mikael Adolphson

Half course (spring term). Hours to be arranged.

A seminar focusing on important themes and problems based on both translated primary sources and appropriate scholarly works of early Japan from the emergence of the first stratified societies to the high point of the ancient imperial state.

Note: Expected to be given in 2001–02.

Prerequisite: Japanese History 111a.

Cross-listed Courses

Historical Study A-14. Japan: Tradition and Transformation

***History 2851. Japanese History: Seminar**

Primarily for Graduates



[Japanese History 211. Sources and Methods of Ancient and Medieval Japan]

Catalog Number: 8174

Mikael Adolphson

Half course (fall term). Hours to be arranged.

An introduction to the reading and usage of original sources of ancient and medieval Japan with particular emphasis on Heian and Kamakura documents and diaries.

Note: Expected to be given in 2002–03.

Prerequisite: Knowledge of classical Japanese and Kambun.

[*Japanese History 216 (formerly *Japanese History 305). Religion in the Edo Period: Seminar]

Catalog Number: 0401

Helen Hardacre

Half course (fall term; repeated spring term). Hours to be arranged.

The first term concentrates on institutional relations between religion and state, and religious thought, focusing on the first half of the period. The second term will address popular religious life, mass pilgrimage, later nativist thought and religious activity, Shingaku, and the emergence of new religious movements at the end of the period. Virtually all readings will be in Japanese.

Note: Expected to be given in 2001–02.

[Japanese History 224 (formerly Japanese 300). Teaching Japanese Religions: Pedagogical Issues and Course Design]

Catalog Number: 6117

Helen Hardacre

Half course (fall term; repeated spring term). Hours to be arranged.

Examines pedagogical problems and challenges in the teaching of Japanese religious history. Students will produce sample syllabi for general and specialized courses, following discussion of readings and pedagogical strategies suitable for different institutional settings and levels of student preparation. Intended mainly for graduate students specializing in Japanese religious history.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3803.

[Japanese History 250. Readings in Tokugawa History]

Catalog Number: 6165

Harold Bolitho

Half course (spring term). Hours to be arranged.

Graduate colloquium for students preparing for general exams in Tokugawa history or interest in English language historiography of the period.

Note: Expected to be given in 2001–02.

Japan: Literature Courses

Please visit the following web site for the latest information on the courses listed below: www.fas.harvard.edu/ealc



For Undergraduates and Graduates

[Japanese Literature 108. Modern Japanese Fiction]

Catalog Number: 7960

Half course (fall term). Hours to be arranged. EXAM GROUP: 7

Close reading of modern short stories, with attention to narrative techniques, intertextuality and rhetorical devices. Translation of the primary readings to be assigned for each session.

Note: Expected to be given in 2001–02. Taught in Japanese.

Prerequisite: Japanese 103b or equivalent.

[Japanese Literature 121a. History of Japanese Literature]

Catalog Number: 5891

Edwin A. Cranston

Half course (fall term). Hours to be arranged.

A survey of traditional Japanese literature before the modern era of Western influence.

Note: Expected to be given in 2001–02.

Japanese Literature 121b. Modern Japanese Literature

Catalog Number: 1069

Susan Jolliffe Napier

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course explores some of the most important and intriguing writers of modern Japan from the point of view of their use of the fantastic, the erotic, and realistic modes in their fiction.

Beginning with the brilliant turn of the century novelist Natsume Soseki, whose work straddles all three modes, and ending with the fiction of such major contemporary writers as Murakami Haruki and Kurahashi Yumiko, the course will examine how some of Japan's greatest writers have used non-mainstream modes of fictional representation to enrich and enliven their vision of twentieth-century Japan and of twentieth-century humanity in general.

Japanese Literature 135. The World of Japanese Animation: Aesthetics, Commerce, Culture

Catalog Number: 6591

Susan Jolliffe Napier

Half course (spring term). Tu., Th., at 11; W., 6–9 p.m. weekly film screening and one additional hour to be arranged. EXAM GROUP: 13

This course introduces students to the immense and varied world of Japanese animation, one of the most important cultural products to appear in Japan in the post war period. The course will examine works by such major directors as Miyazaki Hayao, Oshii Mamoru, and Otomo Katsuhiro but will also look at genres such as romantic comedy, mecha, and cyberpunk as well as such significant themes and issues as apocalypse, gender transgression, and cultural identity. The course will also explore the role of commerce, fan culture, and popular culture in general in relation to anime and its production.

Cross-listed Courses



History of Art and Architecture 18g. Introduction to the Art and Architecture of Japan
[Literature and Arts A-76. Five Japanese Portraits]
Literature and Arts C-42. Constructing the Samurai

Primarily for Graduates

[Japanese Literature 215. Early Modern Japanese Literature]

Catalog Number: 1988

Half course (spring term). Hours to be arranged.

This text examines the literary texts from post-Genroku (early 18th century) until late Meiji (early 20th century), with the focus on quasi-classical Japanese (gi-kobun and kanbun kakikududashi). Texts to be read and discussed include giko monogatari, yomihon, kiko, karon, and hon'yaku bungaku.

Note: Expected to be given in 2001–02.

Prerequisite: Japanese 106a and 106b, or the instructor's permission.

[Japanese Literature 220r (formerly Japanese Literature 220). The Development of Modern Japanese Fiction]

Catalog Number: 1831

Jay Rubin

Half course (fall term). Hours to be arranged.

Reading and discussion of major works of prose fiction with practice in literary translation.

Note: Expected to be given in 2001–02.

Japanese Literature 222a. Survey of Japanese Poetry

Catalog Number: 4226

Edwin A. Cranston

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The tradition of *waka* poetry from its origins to the 15th century.

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 222b. Survey of Japanese Poetry]

Catalog Number: 2311

Edwin A. Cranston

Half course (fall term). Hours to be arranged.

The development of *renga*, *haikai*, and *haiku* to the 18th century.

Note: Expected to be given in 2001–02.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 233r. Nara and Heian Court Literature

Catalog Number: 8614

Edwin A. Cranston

Half course (spring term). Th., 3–5, plus one hour to be arranged. EXAM GROUP: 17, 18

Topic: Genji Monogatari.

Prerequisite: Japanese 106a or equivalent.



[Japanese Literature 235. No and Kyogen]

Catalog Number: 0869

Jay Rubin

Half course (spring term). Hours to be arranged.

Close reading of No and Kyogen texts.

Note: Expected to be given in 2001–02.

Graduate Courses of Reading and Research

***Japanese 300. Reading and Research**

Catalog Number: 4627

Mikael Adolphson 1878 (spring term only), Harold Bolitho 1176, Edwin A. Cranston 1186, Helen Hardacre 3191, Christopher Laing Hill 3731, Wesley M. Jacobsen 3443, Satomi Matsumura 2665, Yori Oda 2460, and Jay Rubin 3544 (on leave 2000-01)

Cross-listed Courses

Historical Study A-14. Japan: Tradition and Transformation

***History 2851. Japanese History: Seminar**

History 2852. Topics in Modern Japanese History: Proseminar

Linguistics 174. Tense and Aspect in Japanese

Linguistics 175. Structure of Japanese

[Linguistics 275r. Japanese Syntax: Seminar]

Korea: Language Courses

For Undergraduates and Graduates

Korean Ba. Elementary Korean

Catalog Number: 8739

Jiha Hwang

Half course (fall term). M., W., F., at 10; Tu., Th., at 12; Tu., Th., at 1, and two additional hours to be arranged. EXAM GROUP: 3

Introduction to modern Korean: basic grammar, reading of simple texts, conversational skills, and writing short letters. Designed for students with no previous background in Korean.

Note: Not open to students who already know Korean from any source.

Korean Bb. Elementary Korean

Catalog Number: 8718

Jiha Hwang

Half course (spring term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Korean Ba.

Prerequisite: Korean Ba or equivalent.



Korean Bx. Elementary Korean for Advanced Beginners

Catalog Number: 0120

Sang-suk Oh

Half course (fall term). M., W., F., at 11; Tu., Th., at 10; Tu., Th., at 11; Tu., Th., at 12; Tu., Th., at 3; and two additional hours to be arranged. EXAM GROUP: 4

This course is designed for students with significant listening and speaking background, either from prior formal learning or previous exposure to a Korean-speaking community. Covers in one semester the equivalent of Korean Ba and Bb.

Note: Student must pass placement test in order to take the course.

Korean 102a. Intermediate Korean

Catalog Number: 5884

Sang-suk Oh

Half course (fall term). M., W., F., at 3; Tu., Th., at 12; Tu., Th., at 3, and two additional hours to be arranged. EXAM GROUP: 7

Continuation of elementary Korean to consolidate the student's knowledge of the fundamental grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a wide range of daily-life situations. Students are introduced to reading materials of increasing complexity on a variety of topics in modern Korean society and culture. 200 Chinese characters are introduced.

Prerequisite: Korean Bb or equivalent.

Korean 102b. Intermediate Korean

Catalog Number: 8590

Sang-suk Oh

Half course (spring term). M., W., F., at 2, and two additional hours to be arranged. EXAM GROUP: 7

Continuation of Korean 102a, with introduction of 300 Chinese characters.

Korean 102x. Intermediate Korean for Advanced Beginners

Catalog Number: 3031

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 Bx. Covers in one semester the equivalent of Korean 102a and 102b.

Note: Students must pass placement test in order to take the course.

Korean 103a. Advanced Korean

Catalog Number: 2071

Jiha Hwang

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Third-year Korean. Development of skills in reading authentic materials from contemporary television news and drama with decreased reliance on pedagogical aids. Development of speaking and writing skills to an increasingly sophisticated level, with introduction of 300 Chinese characters.

Prerequisite: Korean 102b or equivalent.



Korean 103b. Advanced Korean

Catalog Number: 2662

Sang-suk Oh

Half course (spring term). Tu., Th., 2–4. EXAM GROUP: 16, 17

Continuation of Korean 103a, with introduction of 300 Chinese characters.

Korean 104a (formerly Korean 104). Readings in Contemporary Korean

Catalog Number: 5723

Jiha Hwang

Half course (fall term). W., 4–6. EXAM GROUP: 9

Selections from a variety of contemporary Korean texts with emphasis on literature, critical essays, newspaper and journal articles about Korean society, culture, economy, and politics. Films will be shown to serve as the basis for discussions and compositions.

Note: Designed for advanced students who wish to accelerate their reading and writing skills. Prepares students to conduct fieldwork and participate in academic conferences in Korean-speaking communities.

Prerequisite: Korean 103b or equivalent (including a good working knowledge of Chinese characters).

Korean 104b. Readings in Contemporary Korean

Catalog Number: 3011

Jiha Hwang

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Continuation of Korean 104a.

Korea: History Courses

For Undergraduates and Graduates

Korean History 111. Traditional Korea

Catalog Number: 3709

Sun Joo Kim

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Survey of the history of Korea, from earliest times to the late 19th century. Examines various interpretive approaches and traces developments political, social, economic, intellectual, cultural, and diplomatic history.

Korean History 114. Modern Korea

Catalog Number: 7090

Wayne Patterson (St. Norbert College)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Survey of modern Korea from the late 19th century to the present. Emphasis on nation-building, as well as social, economic, and cultural continuity and change in the context of imperialism, colonialism, national division, the Cold War, and globalization.

Note: No prior course work in Korean History is presumed.



[Korean History 118. History of the Chosôn Dynasty: Conference Course]

Catalog Number: 3231

Half course (fall term). Hours to be arranged.

Examines social, political, and economic changes in Korea from the 15th through the 19th centuries. Particular attention will be paid to the social status system, international trade and security relations, factional politics, and economic transformation. No background in Korean language is required.

Note: Expected to be given in 2001–02.

[Korean History 120. Korean Intellectual History: Conference Course]

Catalog Number: 4056

Half course (spring term). Hours to be arranged.

Readings of selected texts and secondary works on Korean Confucianism, Buddhism, and Taoism.

Note: Expected to be given in 2001–02.

[Korean History 124. Japanese Historiography on Korea: Conference Course]

Catalog Number: 6309

Half course (spring term). Hours to be arranged.

Readings of selected secondary works in Japanese on topics in Korean history.

Note: Expected to be given in 2001–02.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Japanese.

Cross-listed Courses

Foreign Cultures 80. The Cultural Identities of Modern Korea

Primarily for Graduates

Korean History 230r (formerly Korean History 230). History of Rebellions in the Late Chosôn Dynasty

Catalog Number: 4497

Sun Joo Kim

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Reading and research in Chosôn Dynasty history, primarily focusing on the causes of various rebellions during the late Chosôn period.

Prerequisite: Korean History 111 or equivalent, reading proficiency in Korean and classical Chinese.

***Korean History 253r. Topics in Modern Korean History: Proseminar**

Catalog Number: 7309

Wayne Patterson (St. Norbert College)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8



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.

Prerequisite: Korean History 114 or equivalent.

[*Korean History 255r. Modern Korean History: Seminar]

Catalog Number: 0713

Carter J. Eckert

Half course (spring term). Hours to be arranged.

Reading and research in modern Korean history. Students are required to write a project paper based largely on primary materials.

Note: Expected to be given in 2001–02.

Prerequisite: Korean History 253r or equivalent, and reading proficiency in Korean.

[Korean History 260r. Readings in Modern Korean History]

Catalog Number: 5372

Carter J. Eckert

Full course (spring term). Hours to be arranged.

Explores the history of the field through an examination of major scholarship. Designed primarily for graduate students preparing for the general examination.

Note: Expected to be given in 2001–02.

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 century to the 20th century.

Primarily for Graduates

Korean Literature 210r (formerly Korean Literature 210). Pre-Modern Korean Literature

Catalog Number: 6342

David McCann

Half course (fall term). Tu., 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.

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-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 2001–02.

Prerequisite: Korean Literature 132 or equivalent.

Graduate Courses of Reading and Research

***Korean 300. Reading and Research**

Catalog Number: 8122

Carter J. Eckert 1178 (on leave spring term), Sun Joo Kim 3821 (fall term only), David McCann 3635, and Wayne Patterson (St. Norbert College) 3747 (spring term only)

Manchu: Language Courses

For Undergraduates and Graduates

Manchu A (formerly Manchu Aa). Elementary Manchu

Catalog Number: 8961

Mark Christopher Elliott (University of California Santa Barbara)

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 (formerly Manchu 103). Advanced Manchu

Catalog Number: 1625

Mark Christopher Elliott (University of California Santa Barbara)

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

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 2001–02.

[Manchu D. Advanced Manchu]

Catalog Number: 1414

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

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 2001–02.

Primarily for Graduates



Manchu 210. Introduction to Sources for Manchu Studies

Catalog Number: 6640

Mark Christopher Elliott (University of California Santa Barbara)

Half course (fall term). Th., 2–5. EXAM GROUP: 16, 17, 18

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.

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

Mark Christopher Elliott (University of California Santa Barbara) 3329

Mongolian: Language Courses

For Undergraduates and Graduates

[Mongolian A (formerly Mongolian Aa). Elementary Written Mongolian]

Catalog Number: 2965

Half course (fall term). Hours to be arranged.

Study of classical Mongolian grammar, with introduction to pre-classical and classical Mongolian texts.

Note: Expected to be given in 2001–02.

[Mongolian B (formerly Mongolian 101a). Advanced Written Mongolian]

Catalog Number: 8489

Half course (spring term). W., at 2, M., 2–4. EXAM GROUP: 7, 8

Readings in classical Mongolian texts.

Note: Expected to be given in 2001–02.

Graduate Courses of Reading and Research

[*Mongolian 300. Reading and Research]

Catalog Number: 1345

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Tibetan and Himalayan Studies



Cross-listed Courses

[Tibetan 205a. Readings in Bilingual Tibetan-Mongol Buddhist Literature]
[Tibetan 205b. Readings in Bilingual Tibetan-Mongol Buddhist Literature]

Vietnam: Language Courses

For Undergraduates and Graduates

Vietnamese B. Elementary Vietnamese

Catalog Number: 6228

Binh Ngo

Full course. M., through F., at 9. EXAM GROUP: 2, 11

Fall semester will survey 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.

Spring semester will also utilize Vietnamese texts and advertisements to enhance reading skills.

Vietnamese 101. Intermediate Vietnamese

Catalog Number: 1685

Binh Ngo

Full course. Fall: Th., F., 10–12 a.m., M., at 10; Spring: M. through F., at 10. EXAM GROUP: Fall: 3; Spring: 3, 12

Continuation of Vietnamese B. 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.

Vietnamese 103. Advanced Vietnamese

Catalog Number: 2491

Binh Ngo

Full course. Fall: Tu., 2–4, W., at 4, F., 4–6; Spring: Th., at 1, M., 3–5, W., 3:30–5:30. EXAM GROUP: Fall: 9, 16, 17; Spring: 8, 9, 15

Continuation of Vietnamese 101. 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.

Vietnam: History Courses

Cross-listed Courses



History 1820. Premodern Vietnam
History 1821. Modern Vietnam
[History 2820. Topics in Vietnamese History]

Graduate Courses of Reading and Research

***Vietnamese 300. Reading and Research**

Catalog Number: 7211

Binh Ngo 1383

Economics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Economics

Oliver S. Hart, Andrew E. Furer Professor of Economics (*Chair*)
Philippe Aghion, Professor of Economics
Alberto F. Alesina, Professor of Economics and of Government
Beatriz Armendariz de Aghion, Lecturer on Economics
Robert J. Barro, Robert C. Waggoner Professor of Economics (*on leave fall term*)
Laurent E. Calvet, Assistant Professor of Economics
John Y. Campbell, Otto Eckstein Professor of Applied Economics
Francesco Caselli, Assistant Professor of Economics
Richard E. Caves, Nathaniel Ropes Professor of Political Economy
Gary Chamberlain, Professor of Economics
Richard N. Cooper, Maurits C. Boas Professor of International Economics
David M. Cutler, Professor of Economics (*on leave 2000-01*)
Martin Feldstein, George F. Baker Professor of Economics
Christopher L. Foote, Associate Professor of Economics (*Director of Undergraduate Studies*)
Richard B. Freeman, Herbert S. Ascherman Professor of Economics (*on leave 2000-01*)
Benjamin M. Friedman, William Joseph Maier Professor of Political Economy (*on leave spring term*)
Drew Fudenberg, Professor of Economics
Edward L. Glaeser, Professor of Economics (*on leave 2000-01*)
Claudia Goldin, Henry Lee Professor of Economics
Jerry R. Green, John Leverett Professor in the University, David A. Wells Professor of Political Economy, and Taussig Professor of Economics (*on leave spring term*)
Elhanan Helpman, Professor of Economics (*on leave spring term*)



Caroline M. Hoxby, Professor of Economics
 Dale W. Jorgenson, Frederic E. Abbe Professor of Economics
 Lawrence F. Katz, Professor of Economics
 Janos Kornai, Allie S. Freed Professor of Economics (*fall term*)
 Carsten Kowalczyk, Visiting Professor of Economics (*Tufts University*) (*spring term only*)
 Michael Robert Kremer, Professor of Economics (*on leave spring term*)
 Rafael La Porta, Associate Professor of Economics
 David I. Laibson, Paul Sack Associate Professor of Political Economy
 Judith Li, Assistant Professor of Economics
 N. Gregory Mankiw, Professor of Economics
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 John F. McHale, Associate of Eliot House, Associate Professor of Economics
 James L. Medoff, Meyer Kestenbaum Professor of Labor and Industry (*FAS and Kennedy School*)
 Marc J. Melitz, Assistant Professor of Economics
 Paul R. Milgrom, Taussig Research Visiting Professor of Economics
 Markus M. Möbius, Assistant Professor of Economics
 Michael P. Murray, Visiting Professor of Economics (*Bates College*)
 Robert H. Neugeboren, Lecturer on Economics
 Ariel Pakes, Professor of Economics
 Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy
 Jack R. Porter, Associate Professor of Economics
 Ashok S. Rai, Lecturer on Economics
 Kenneth Rogoff, Professor of Economics (*on leave 2001-2002*)
 Alvin E. Roth, George Gund Professor of Economics and Business Administration
 Jeffrey D. Sachs, Galen L. Stone Professor of International Trade
 Emmanuel Saez, Assistant Professor of Economics (*on leave 2001-02*)
 Michael A. Schwarz, Assistant Professor of Economics
 Andrei Shleifer, Professor of Economics
 Jeremy C. Stein, Professor of Economics
 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 2000-01*)
 Jeffrey Wolcowitz, Senior Lecturer on Economics and Associate Dean for Undergraduate Education

Other Faculty Offering Instruction in the Department of Economics

Christopher N. Avery, Associate Professor of Public Policy (*Kennedy School*)
 Lucian Arye Bebchuk, William J. Friedman and Alicia Townsend Friedman Professor of Law, Economics, and Finance (*Law School*)
 George Carl Chacko, Assistant Professor of Business Administration (*Business School*)
 Randolph B. Cohen, Assistant Professor of Business Administration (*Business School*)
 Mihir A. Desai, Assistant Professor of Business Administration (*Business School*)
 Paul Gompers, Associate Professor of Business Administration (*Business School*)



William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)
Louis E. Kaplow, Professor of Law (*Law School*)
Joshua Lerner, Professor of Business Administration (*Business School*)
John R. Meyer, James W. Harpel Professor of Capital Formation and Economic Growth,
Emeritus (*Kennedy School*)
Nolan H. Miller, Assistant Professor of Public Policy (*Kennedy School*)
Robert H. Mnookin, Samuel Williston Professor of Law (*Law School*)
Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*)
Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
Clyde H. Schoolfield, Jr., Lecturer on Statistics
Juliet Schor, Senior Lecturer on Women's Studies
James K. Sebenius, Gordon Donaldson Professor of Business Administration (*Business School*)
Steven Shavell, Professor of Law and Economics (*Law School*)
Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
James H. Stock, Roy E. Larsen Professor of Political Economy (*Kennedy School*)
Luis Manuel Viceira, Assistant Professor of Business Administration (*Business School*)
Paul C. Weiler, Henry J. Friendly Professor of Law (*Law School*)

Department of Economics course listings are numerically ordered as follows:

900-999: Tutorials and Senior Research Seminars in Economics

1000-1099 and 2000-2099: General Economics; Economic Theory; History of Economics

1100-1199 and 2100-2199: Econometrics and Quantitative Methods

1300-1399 and 2300-2399: Comparative Systems; Economic History; Development

1400-1499 and 2400-2499: Monetary and Fiscal Theory and Policy; Public Sector Economics

1500-1599 and 2500-2599: International Economics

1600-1699 and 2600-2699: Industrial Organization and Regulation; Environmental Economics

1700-1799 and 2700-2799: Financial Economics

1800-1899 and 2800-2899: Labor, Human Resources, and Income Distribution; Urban Economics

2000-2999: Open to honors undergraduates with the permission of the instructor

3000-3999: Graduate Courses of Reading and Research

Social Analysis 10: Principles of Economics, which is listed under the Core Curriculum, is the full-year introductory course in Economics. Social Analysis 10 is designed both for potential



concentrators and 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

Christopher L. Foote 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.

Christopher L. Foote, Robert H. Neugeboren, and members of the Department

Half course (spring term). Hours to be arranged.

A series of small seminars focusing on applications of economic theory to real problems.

Note: One term required of all Economics concentrators.

Prerequisite: Both terms of Social Analysis 10, Statistics 100, Economics 1010a or 1011a, and current enrollment in Economics 1010b or 1011b.

***Economics 980r. Tutorial — Junior Year**

Catalog Number: 3281

Robert H. Neugeboren 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. Major course requirement is an original research paper each semester. An Economics 985 seminar taken in the senior year substitutes for Economics 990, and seniors will not be allowed to enroll concurrently in both courses. All 985 seminars are limited to 12 students.

***Economics 985a. Research in Microeconomics**

Catalog Number: 7166



Michael A. Schwarz

Full course. M., 4–6.

Research seminar for seniors writing theses in theoretical and applied microeconomics. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

[*Economics 985b. Research in Industrial Organization and Regulation]

Catalog Number: 8180

Full course. Hours to be arranged.

Research seminar examining the major issues and approaches in the economics of industrial organization and regulation. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

Note: Expected to be given in 2001–02.

***Economics 985c. Research in Labor Economics**

Catalog Number: 5409

James L. Medoff

Full course. Fall: F., 1–3 Spring: 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.

***Economics 985d. Research in Economic Development**

Catalog Number: 4989

Michael P. Murray (Bates College)

Full course. Fall: Th., 2:30–4:30 Spring: Hours to be arranged. EXAM GROUP: Fall: 16, 17, 18

Workshop for seniors writing theses in the areas of economic history and economic development. Emphasis on choice of research topics, primary sources, data sources, and research methods. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985e. Research in Macroeconomics**

Catalog Number: 3740

Francesco Caselli

Full course. Fall: W., 2–4; Spring: W., 3–5.

Provides intellectual support and constructive criticism for students involved in research in the fields of monetary and fiscal policy, business cycles, and economic growth. Initial meetings focus on finalizing research topics, data sources, and research methods. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985f. Research in International Trade and Finance**

Catalog Number: 7157



Richard N. Cooper

Full course. M., 3:30–5:30. EXAM GROUP: 8, 9

Workshop for seniors writing theses in international trade and finance. Emphasis on choice of research topics, methodology, and international economic theory. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985h. Research in Financial Markets**

Catalog Number: 0350

Tuomo O. Vuolteenaho

Full course. Fall: Th., 4–6; Spring: M., 4–6. EXAM GROUP: Spring: 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 required. Topics have included taxation, health economics, environmental and resource economics, and education.

***Economics 990. Tutorial — Senior Year**

Catalog Number: 7342

Christopher L. Foote and members of the Department

Full course. Workshop meetings to be arranged.

Note: Senior concentrators who are candidates for honors must write a senior thesis. They are required to present the thesis project to either the senior thesis workshop or a research seminar during the fall term. A student should consult a thesis adviser from among Department members and then inform the Undergraduate Office of the topic and adviser. Signature of the Director of Undergraduate Studies required. Students must write a 25-page paper during the fall term and make two oral presentations on their thesis work. Students currently enrolled in Economics 985 may not enroll in Economics 990.

General Economics; Economic Theory; History of Economics

For Undergraduates and Graduates

Economics 1010a. Microeconomic Theory

Catalog Number: 1862

Jeffrey Wolcowitz

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Focuses on the optimizing behavior of individual consumers and firms and the coordination of these individual decisions through markets, including the evaluation of market outcomes. Topics



include the theory of the consumer, the theory of the firm, decisions involving time and risk, perfect competition, monopoly and monopsony, oligopoly and game theory, markets with asymmetric information, and externalities and public goods.

Note: Economics 1010a fulfills the intermediate microeconomic theory requirement for economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit.

Prerequisite: Social Analysis 10 and Mathematics 1a or their equivalents.

Economics 1010b. Macroeconomic Theory

Catalog Number: 2924

N. Gregory Mankiw, Alberto F. Alesina, and Francesco Caselli

Half course (spring term). Tu., Th., 10–11:30. 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.

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

Michael A. Schwarz

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Economics 1011a is similar to Economics 1010a, but moves at a faster pace and with more use of mathematics. Topics include the theory of the consumer, decisions involving time and risk, the theory of the firm, perfect and imperfect competition, general equilibrium, welfare economics, game theory, and the economics of information. Special applied topics are covered if time permits; the topics this year will be bargaining and auctions, basic asset-pricing theory, and an introduction to law and economics.

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

N. Gregory Mankiw, Alberto F. Alesina, and Francesco Caselli

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

The same topics as in 1010b, but with a more mathematical approach.

Note: Economics 1011b fulfills the intermediate macroeconomic theory requirement for economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, Mathematics 20 or 21 is recommended.


Economics 1030. Psychology and Economics

Catalog Number: 4709

David I. Laibson and Andrei Shleifer
Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Integrates psychological and economic analysis of behavior. Psychological topics include: trust, vengeance, fairness, impatience, impulsivity, bounded rationality, learning, reinforcement, classical conditioning, loss-aversion, over-confidence, self-serving biases, cognitive dissonance, altruism, subjective well-being, hedonic adaptation, marketing. Discusses how psychological experiments have been used to learn about preferences, cognition, and behavior. Economic topics include: arbitrage; equilibrium; rational choice; utility maximization; Bayesian beliefs; and game theory. Integrates these psychological and economic concepts to understand numerous behavioral phenomena, such as: credit card borrowing; portfolio choice; retirement saving; procrastination; addiction; asset pricing; auction bidding; labor supply; and cooperation.

Prerequisite: Economics 1010a, or 1011a, and knowledge of multivariate calculus.

Economics 1050. Strategy, Conflict, and Cooperation

Catalog Number: 8506

Robert H. Neugeboren
Half course (spring term). M., W., at 1, and a 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; 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). M., W., 2:30–4. EXAM GROUP: 7, 8

An introduction to game theory and its applications to economics at a high level of rigor. Topics include extensive form and strategic form games, Nash equilibrium and Nash’s existence theorem, subgame-perfect equilibrium, Bayesian equilibrium, and applications to repeated games, auctions, and bargaining.

Prerequisite: Economics 1011a and Mathematics 21b or equivalent.

Primarily for Graduates
***Economics 2010a. Economic Theory**

Catalog Number: 8656

Drew Fudenberg, Jerry R. Green, and Martin L. Weitzman
Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Covers the theory of individual behavior including the following topics: constrained maximization, duality, theory of the consumer, theory of the producer, behavior under uncertainty, consumer choice of financial assets, externalities, monopolistic distortions, game theory, oligopolistic behavior, asymmetric information.



Note: Enrollment is restricted to students in the economics and business economics Ph.D. programs.

Prerequisite: Economics 2030 or equivalent; can be taken concurrently.

Economics 2010b. Economic Theory

Catalog Number: 8659

Laurent E. Calvet and Michael A. Schwarz

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

General equilibrium, the core, externalities and public goods, moral hazard, social choice theory, signaling, 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., 12:30–2. 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

Alberto F. Alesina and Robert J. Barro

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Economic growth; theory of economic policy; fiscal policy; macroeconomic theory for the open economy.

Prerequisite: Economics 2010c.

***Economics 2020a. Microeconomic Theory I**

Catalog Number: 0339 Enrollment: Limited to 102.

Jerry R. Green and Nolan H. Miller (Kennedy School)

Half course (fall term). M., W., 8:30–10, plus one section to be arranged. EXAM GROUP: 2

The theory of microeconomic behavior. Consumption, production, uncertainty, markets, general equilibrium. Applications to policy analysis, business decisions, industrial organization, finance, the legal system. Emphasizes the use of economic theory in analyzing and understanding practical problems. This is a comprehensive course in economic theory designed for doctoral students in all parts of the university.

Note: Offered jointly with the Kennedy School as API-111 and the Business School as 4401.

Prerequisite: Two years of calculus and one course in probability theory. Thorough background in microeconomic theory at the intermediate level. Undergraduates with the appropriate background are welcome.

***Economics 2020b. Microeconomic Theory II**

Catalog Number: 4058



Jerry R. Green, Christopher N. Avery (Kennedy School), and Nolan H. Miller (Kennedy School)
Half course (spring term). M., W., 8:30–10, plus a one hour section to be arranged. EXAM GROUP: 1, 2

A continuation of Economics 2020a. Game theory, economics of information, incentive theory, welfare economics.

Note: Offered jointly with the Kennedy School as API-112 and the Business School as 4402.

Prerequisite: Economics 2010a or 2020a.

Economics 2030. Mathematics and Optimization Theory for Economists

Catalog Number: 4976

Emmanuel Saez

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Covers all basic aspects of mathematics and optimization theory useful to Ph.D.-level economics. Topics include: real analysis, functions of several variables, convex programming, duality theory, linear and non-linear programming, calculus of variations, the maximum principle of optimal control theory. While each topic is treated rigorously, the emphasis is on economic applications. This course could be useful for a graduate student either: needing more exposure to mathematics for economists, or wishing to learn more about optimization theory for economists.

Economics 2040. Experimental Economics

Catalog Number: 8485 Enrollment: Limited to 48.

Alvin E. Roth

Half course (fall term). F., 9–12. EXAM GROUP: 2, 3, 4

An introduction to experimental economics, its methods, and some of the major subject areas that have been addressed by laboratory experiments. Effort is made to concentrate on a series of experiments, in order to see how experiments build on one another and allow researchers with different theoretical dispositions to narrow the range of potential disagreement.

Note: Offered jointly with the Business School as 4257. Open to 2nd year graduate students in economics and also to Harvard Business School students. Others welcome to attend with permission of instructor. Classes meet at the Business School.

Economics 2050. General Equilibrium Theory

Catalog Number: 2279

Laurent E. Calvet

Half course (fall term). F., 2:30–5:30. EXAM GROUP: 7, 8, 9

Develops the foundations of general equilibrium with an emphasis on financial markets. Topics include regularity and generic structure of equilibria, incomplete markets, default, informational efficiency and dynamic asset pricing.

Economics 2052. Game Theory and Its Applications

Catalog Number: 3690

Drew Fudenberg

Half course (spring term). M., 4–6:30. EXAM GROUP: 9

Noncooperative game theory; equilibrium analysis of incomplete information; dynamic and repeated games; economic applications; introduction to non-equilibrium dynamics.

Prerequisite: Economics 1011a or 2010a, Statistics 110, and Math 21b.



Economics 2055. Negotiation and Dispute Resolution: Interdisciplinary Research Seminar

Catalog Number: 3700

Jerry R. Green, Iris Bohnet (Kennedy School), Robert H. Mnookin (Law School), and James K. Sebenius (Business School)

Full course. Alternate F., 12:00 - 1:30. EXAM GROUP: 5, 6

Concerned with topics relating to bargaining, negotiation, and dispute resolution. Special emphasis on the effect of laws and the legal system. Perspective of psychology and economics used to study the barriers to negotiated resolution of conflict.

Prerequisite: Permission of the instructors.

Economics 2056. Topics in Advanced Theory

Catalog Number: 3634

Alvin E. Roth and Paul R. Milgrom

Half course (spring term). F., 9–12. EXAM GROUP: 2, 3, 4

Deals with the theory and practice of market design, with prominent examples drawn from auctions and labor markets.

Note: Offered jointly with the Business School as 2150.

Economics 2060. Contract Theory

Catalog Number: 1404

Philippe Aghion

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Recent developments in contract theory. Includes hidden action and hidden information models, dynamic agency issues, incomplete contracts, and applications of contract theory to theories of the firm and corporate financial structure.

***Economics 2075hf. Political Economy Research Seminar**

Catalog Number: 7645

Stephen A. Marglin

Half course (throughout the year). Hours to be arranged. EXAM GROUP: Spring: 3, 4

Economics 2076. Keynes and the 20th Century

Catalog Number: 4351

Stephen A. Marglin

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Examines the impact of Keynes on economics and the economy, with special emphasis on alternative readings of the General Theory. Considers both the standard interpretation of Keynes as a theorist of the short run, which allowed the assimilation of Keynesian economics into the mainstream of American economics, and an alternative reading of Keynes as offering a vision of capitalism fundamentally at odds with the vision of neoclassical economics. Attention is paid both to theory and to the historical context in which the theory developed.

Econometrics and Quantitative Methods

For Undergraduates and Graduates


Economics 1123. Applied Econometrics

Catalog Number: 0813

Michael P. Murray (Bates College)
Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to multiple regression techniques with focus on economic applications.

Extensions to discrete response, panel data, and time series models will be discussed as well as issues such as omitted variables, missing data, sample selection, randomized and natural experiments, and instrumental variables. The aim of the course is to provide the 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. EXAM GROUP: 16, 17

Reviews the elements of probability that are central to the statistical methods developed. This leads to the conditional expectation function. The role of multiple regression in drawing inferences from a sample about this population concept is developed. Empirical articles are discussed to illustrate this methodology. A key question is the extent to which the conditional expectation function can be given a causal interpretation. Empirical attempts by economists to isolate exogenous variation are discussed. Related methodology includes the use of longitudinal data and instrumental variables to control for selection bias.

Note: This course is sufficient preparation for undergraduate economics special field in econometrics. 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 or preferably 110; Mathematics 20.

Cross-listed Courses
Statistics 100. Introduction to Quantitative Methods
Primarily for Graduates
Economics 2110 (formerly Economics 2110a). Quantitative Methods

Catalog Number: 7213

Samuel B. Thompson
Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Introduction to probability and statistics. Emphasis on general methods applicable to both econometrics and economic theory. Topics include probability spaces, random variables, limit laws, estimation, hypothesis testing, 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.

EXAM GROUP: Fall: 16, 17; Spring: 10, 11

Introduction to methods employed in applied econometrics, including linear regression, instrumental variables, generalized method of moments, maximum likelihood. Includes detailed discussion of papers in applied econometrics and computer exercises based on these papers, using standard econometric packages.

Note: Economics 2120 is replacing the former courses, Economics 2110b and 2140a. Thus, Economics 2120 can not be counted toward a degree in addition to Economics 2110b or 2140a.

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 employed in applied econometrics, including nonlinear regression, panel data techniques, the analysis of 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. EXAM GROUP: 16, 17

Statistical decision theory with applications to portfolio choice, panel data topics, selection bias, demand and supply, qualitative choice, and quantile regression.

Prerequisite: Economics 2120 or equivalent.

Economics 2142 (formerly Economics 2140d). Time Series Analysis

Catalog Number: 4414

James H. Stock (Kennedy School)

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to current research in time series econometrics. Theoretical and empirical topics include ARIMA, vector autoregressions, state-space models, Kalman filtering, nonlinear filtering, frequency domain analysis, and integrated and cointegrated time series models, functional central limit theorems, and tests for structural breaks. Other advanced topics and applications from macroeconomics and finance are also considered.

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, Jack R. Porter, James H. Stock (Kennedy School), and Samuel B. Thompson

Full course. Th., 4:30–6. EXAM GROUP: 18

Current research topics in theory and applications of econometrics.

Comparative Systems; Economic History; Development

For Undergraduates and Graduates

Economics 1305. The European Economy

Catalog Number: 7128

John F. McHale

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Provides an introduction to the European economy with a special emphasis on issues of current importance. Essential microeconomic and macroeconomic tools are reviewed, developed, and applied. Special attention is given to comparisons of the European and U.S. economies. Topics include: macroeconomic policy under EMU; the European unemployment problem; population aging and social security reform; EU trade and environmental policies; and transition in Eastern Europe.

Prerequisite: Economics 1010a or 1011a or permission of the instructor.

Economics 1315. Economic Development in East Asia

Catalog Number: 1920

Dwight H. Perkins

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Covers the modern development and economic history of East and Southeast Asia. Topics include the role of government policy and the state, the transition from economies based on control planning to economies relying on market forces, the origins and nature of the Asian financial crisis, the role of natural resources or the lack thereof, differing approaches to income distribution and social welfare, and other issues connected with industrialization and agricultural development in the region.

Prerequisite: Social Analysis 10.

Economics 1357. Historical Perspectives on American Economic Ascendancy

Catalog Number: 7554 Enrollment: Limited to 70. Limited to no more than 70 students

Claudia Goldin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The sources and origins of America's economic ascendancy are explored beginning with the founding of the nation. Addresses whether the U.S. is currently losing economic leadership or whether other nations are converging on it. Explores how the U.S. achieved economic supremacy, emphasizing natural resources, legal institutions, migration of labor and capital from



the Old World, education, and invention. Addresses domestic problems encountered along the way, such as inequality, regional divisions, slavery, and economic vicissitudes such as the Great Depression. Evaluates the solutions tried, such as larger and more powerful government, including the growth of social insurance programs, and labor unions.

Note: Economics concentrators may not take this course pass/fail.

Prerequisite: Social Analysis 10 or permission of the instructor.

Economics 1360. Politics, Society, and Economic Development

Catalog Number: 6066 Enrollment: Limited to 30.

Dwight H. Perkins

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores selected topics in the relationship between economic development in developing countries and the kinds of political and social institutions that influence development. Focuses on the appropriate role for the state in the management of the economy under varying political and social systems. Topics include the effectiveness of industrial policy in different institutional settings, the economics and politics of bilateral and multilateral foreign aid, how ethnic diversity affects ownership patterns in the economy, the causes and cures for corruption, and other similar issues.

Note: Requires a major research paper as well as a final exam.

Prerequisite: Social Analysis 10 or permission of the instructor.

Economics 1366. Natural Resource Economics in Developing Countries

Catalog Number: 4602

Clifford Fich Zinnes

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Economic theory of natural resources and the environment in a development context and policy analysis of resource and environmental issues in developing countries: market failures, collective choice and intertemporal allocation; optimal use and conservation of renewable and nonrenewable resources; market structure, technology, and resource scarcity; externalities and environment; economic growth and resource depletion; resource taxation and regulation; development strategy and resources policy. Applications are made to mineral extraction, deforestation, soil erosion, overfishing, and environmental degradation in developing countries, and to global environmental problems such as the greenhouse effect and ozone depletion.

Note: Offered jointly with the Kennedy School of Government as PED-267.

Prerequisite: Social Analysis 10 or permission of the instructor.

Economics 1395. Institutions, Incentives, and Economic Development

Catalog Number: 3562

Ashok S. Rai

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Provides an analytic framework for understanding how institutions influence development. Special attention is paid to the possibilities for and limitations of government intervention. Topics include corruption, microcredit, environmental degradation, agricultural tenancy, financial crises, and poverty reduction schemes.

Prerequisite: Economics 1010a or 1011a. Mathematics 20 or equivalent is recommended.



Economics 1399. Economic Development

Catalog Number: 4051

Beatriz Armendariz de Aghion

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 14

Provides an overview of the economics of development and of the major economic issues confronting developing countries. Explores various theories of economic growth, structural change, the distribution of income, and poverty as they apply to developing countries. Integrates analysis of these topics with an examination of the role of agriculture, industry, international trade, capital flows, the environment, and human resource development.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b.)

Economics 2385. Microfinance: Theory and Practice

Catalog Number: 8527

Beatriz Armendariz de Aghion

Half course (fall term). M., W., 11:30–1. EXAM GROUP: 4, 5

Studies poverty alleviation via the provision of small loans to credit constrained individuals in developing countries. Reviews the analytics behind microfinance loans. Focuses on how theory can help explain the way in which microfinance institutions can potentially circumvent adverse selection, moral hazard, and enforcement problems. Examines the empirical evidence on the impact of microfinance. Analyzes existing microfinance institutions and discusses the ongoing policy debate on self-sustainability.

Note: Offered jointly with the Kennedy School as PED-326.

Prerequisite: Good background in advanced microeconomics and econometrics. Qualified undergraduates welcome.

Primarily for Graduates

Economics 2300. The Political Economy of Socialism and Transition

Catalog Number: 6585

Janos Kornai

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Characteristic properties of classical socialism: political structure, ownership, coordination mechanisms, growth pattern, investment, prices, wages and employment. Inducements of reform. Experiments with market socialism. Main issues of postsocialist transition: political transformation, stabilization, transfer of property rights, changes in employment, income distribution and social security.

Note: Students of government, sociology, Russian and Chinese studies, and advanced undergraduates are welcome.

Economics 2327. History and Theory of Development

Catalog Number: 8092

Jeffrey D. Sachs

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

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., 11:30–1. EXAM GROUP: 13, 14

Covers selected topics in American economic history with an emphasis on the causes and consequences of economic growth in the 19th and 20th centuries. Also explores the historical roots of current economic issues, such as the productivity slowdown, technological change, inequality, social insurance programs, regulation, race, immigration, unions, education, and macroeconomic fluctuations.

Note: Satisfies the graduate distribution requirement.

[Economics 2332. Globalization and History]

Catalog Number: 2251

Half course (spring term). Hours to be arranged.

Explores the evolution of economic globalization over the past two centuries: from the beginning of the First Industrial Revolution in late 18th-century Britain; through the gold standard outward regimes of the late 19th century; through the autarchic retreat inwards during 1914–1950; and concluding with the return to the outward regimes of the late 20th century. Focuses primarily on the current OECD countries exploring the sources and impact of trade, capital flows and migration, including the contribution of open economy forces to global convergence.

Note: Expected to be given in 2001–02. Advanced undergraduates welcome with permission of instructor. Satisfies the graduate distribution requirement.

[Economics 2334. The Industrial Revolution]

Catalog Number: 0124

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Selected topics in European economic history with an emphasis on the causes and consequences of modern economic growth in Britain, France, Germany, and Russia in the 18th, 19th, and early 20th centuries. Topics include agrarian change and impact, industrial technical change and impact, physical capital accumulation and finance, divisions of labor, human capital accumulation, international trade and finance, British late 19th-century retardation, World War I, and the Great Depression.

Note: Expected to be given in 2001–02. Advanced undergraduates welcome with permission of instructor. Satisfies the graduate distribution requirement.

***Economics 2339. The Economic History Workshop**

Catalog Number: 8183

Claudia Goldin



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 2390a. The Structural Transformation in Historical Perspective]

Catalog Number: 4216

Dwight H. Perkins and Jeffrey G. Williamson

Half course (fall term). Hours to be arranged.

Reviews historical patterns of the structural transformation in Europe, Latin America, East Asia, and Africa. Focus is on the role of policy in development, the balance between agriculture and industry, the role of international trade and finance, and the need for changing institutions as economies mature or as they make the transition from one economic system to another.

Note: Expected to be given in 2001–02. Serves as the introduction at the graduate level to the field of Economic Development; also satisfies the graduate distribution requirement.

Economics 2390b. Development Economics I: Microeconomic Issues

Catalog Number: 2990

Michael Robert Kremer

Half course (fall term). M., W., 10:30–12. EXAM GROUP: 3, 4

Agricultural issues: peasant behavior, land tenancy, interlinked markets; credit and insurance market problems and institutions; health, nutrition, and productivity; gender bias; education; technology adoption.

Economics 2390c. Developmental Economics II: Macroeconomic Issues

Catalog Number: 0388

Philippe Aghion

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Dynamic models of development emphasizing migration, modernization, and technological change; static and dynamic models of political economy; rent-seeking in and outside the government; trade liberalization, macroeconomic stabilization, and reform; the dynamics of income distribution and institutional change.

Economics 2390d. The Economic Growth and Development Workshop

Catalog Number: 1926

Michael Robert Kremer (fall term), Robert J. Barro (spring term), and Dwight H. Perkins

Full course. Fall: Tu., 2:30–4; Spring: M., 4:30–6. EXAM GROUP: Fall: 16, 17; Spring: 9

Monetary and Fiscal Theory and Policy; Public Sector Economics

For Undergraduates and Graduates

Economics 1410. Public Sector Economics

Catalog Number: 6136

Caroline M. Hoxby, Mihir A. Desai (Business School), Judith Li, and Martin Feldstein

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4



An economic analysis of government policy in market economies. Examines efficiency and equity arguments for government intervention, economic theories of government decision making, and empirical evidence on government programs. Special emphasis on social insurance and health care.

Prerequisite: Economics 1010a or 1011a or permission of instructor.

[Economics 1415. Reform of the Public Sector]

Catalog Number: 5233

John F. McHale

Half course (fall term). Hours to be arranged.

Provides an introduction to the economics of policy reform with an emphasis on student participation. Develops useful tools for the normative evaluation of public policy and for understanding the political economy of reform, then applies the tools to study reforms that are on the agenda in many countries. Informal debates on topics including: social security privatization, educational vouchers, globalization and the WTO, work-based welfare reform.

Note: Expected to be given in 2001–02.

Prerequisite: Social Analysis 10.

Economics 1420. American Economic Policy

Catalog Number: 8110

Martin Feldstein and John F. McHale

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Analyzes major issues in American economic policy including national saving, taxation, Social Security, 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.

Prerequisite: Economics 1010a, or 1011a, or permission of instructor.

[Economics 1430. Macroeconomics and Politics]

Catalog Number: 5549

Alberto F. Alesina

Half course (fall term). Hours to be arranged.

Topics on the interplay between political processes and macroeconomics, including monetary policy and central-bank independence, political business cycle theory, macroeconomic determinants of voter behavior, the economic consequences of divided government, determinants of fiscal policy, hyperinflation and monetary stabilization, political economy of long-term growth, theory of economic and monetary union.

Note: Expected to be given in 2002–03.

Prerequisite: Social Analysis 10.

[Economics 1480. Moral Perspectives on Economic Growth]

Catalog Number: 3441 Enrollment: Limited to 20. Limited to 20

Benjamin M. Friedman

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2001–02.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Cross-listed Courses

[Quantitative Reasoning 24. Health Economics]

Primarily for Graduates

[Economics 2410a. Macroeconomics of the Labor Market]

Catalog Number: 3488

Christopher L. Foote

Half course (fall term). Hours to be arranged.

Studies business cycle dynamics with an emphasis on the labor market. Begins with an analysis of the canonical real business cycle model and discusses problems of identifying fundamental shocks, the amplification of these shocks, and generating realistic levels of persistence in output movements. Then discusses approaches to each of these three areas, paying particular attention to recent work using disaggregated employment data. The goal is to allow students to become fully acquainted with modern business cycle research and to appreciate research opportunities involving disaggregated labor market data.

Note: Expected to be given in 2001–02.

Prerequisite: Economics 2010c and 2010d.

Economics 2410e. Economic Growth

Catalog Number: 0681

Francesco Caselli

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The course is organized around the question: “why are some countries so poor and some so rich?” Examines, among other things, the roles of factor accumulation, differences in productivity, technology adoption and technology diffusion, institutions and politics, culture and social capital. Emphasizes both empirical and theoretical methods.

Economics 2410g. Political Economics

Catalog Number: 6758

Alberto F. Alesina and Andrei Shleifer

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Discusses several research areas in political economy, including the origins of the state, comparative political systems, theories of economic reform, fiscal problems in democracies, rule of law, privatization, regulation, elections and the economy.

Economics 2410h. Dynamic Programming and Consumption

Catalog Number: 1851

David I. Laibson



Half course (spring term). F., 1:30–4:30. EXAM GROUP: 6, 7, 8, 9

First half of course introduces dynamic programming, including both discrete and continuous-time methods. Considers applications to search, investment, option valuation, and consumption. Discusses computational methods for generating numerical solutions. Second half surveys recent empirical and theoretical research in consumption. Topics may include: consumption of durables, incomplete markets, habit formation, precautionary saving, asset allocation, credit markets, savings adequacy, savings policy and savings incentives, psychological models of saving, calibration of lifecycle consumption models, and empirical methods.

Economics 2420. Monetary and Fiscal Policy Seminar

Catalog Number: 5946

Benjamin M. Friedman (fall term), Alberto F. Alesina, Robert J. Barro (spring term), John Y. Campbell, Francesco Caselli, Christopher L. Foote, David I. Laibson, N. Gregory Mankiw, Kenneth Rogoff, and James H. Stock (Kennedy School)

Full course. M., 2–4. EXAM GROUP: 7, 8

Economics 2450a. Public Economics and Fiscal Policy I

Catalog Number: 1339

Emmanuel Saez and Caroline M. Hoxby

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Surveys theoretical and empirical analyses of taxation and government expenditures. Topics include tax incidence, optimal tax theory, public goods and externalities, empirical analysis of responses to taxation, health economics.

Economics 2450b. Public Economics and Fiscal Policy II

Catalog Number: 6478

Martin Feldstein, Caroline Hoxby, and Emmanuel Saez

Half course (spring term). M., W., F., 11:30–1. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Special topics include taxes and corporate finance, social insurance and fiscal policy.

Economics 2460 (formerly Economics 2910). The Health Economics Workshop

Catalog Number: 7617

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) and William C. Hsiao (Public Health)

Half course (spring term). W., 4:30–6. EXAM GROUP: 9

Focuses on theory, econometric models, and public policy of health care. Frontier work in health economics presented and discussed by instructors and outside speakers. Topics include public and private investments in health, hospital and physician behavioral models, markets and competition in health care, and regulation and financing health services.

Note: May be taken for credit only by dissertation students presenting research.

Economics 2470. Reform of the Welfare State

Catalog Number: 8752

Janos Kornai and John F. McHale

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8



Reform of the welfare state is on the agenda in many countries. This course uses a comparative and interdisciplinary approach to study reform options, with an emphasis on policy conclusions. Topics include: causes and effects of welfare state growth; reform of state-provided pensions, health care, education, unemployment insurance and assistance, poverty relief, etc.; the political economy and ethical implications of reform; and the special problems of developing and post-communist economies.

Note: Presentations will be given by guest speakers, the instructors, and students. Students of political science, public administration, sociology, public health, education, law, philosophy, and advanced undergraduates are encouraged to attend. Empirical and theoretical papers dealing with reform in a single country or comparing reforms in many countries are welcome.

Economics 2480. The Public Economics and Fiscal Policy Workshop

Catalog Number: 6834

Caroline M. Hoxby, Martin Feldstein, Judith Li, John F. McHale, and Emmanuel Saez

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.

International Economics

For Undergraduates and Graduates

Economics 1530. International Monetary Economics

Catalog Number: 2269

Richard N. Cooper

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

The theory of exchange rate determination, capital markets, and macroeconomic policy in the open economy. Applications to such issues as the history of international monetary regimes, international policy coordination, the debt crisis, and the formation of currency unions.

Prerequisite: Social Analysis 10.

Economics 1535. International Trade and Investment

Catalog Number: 2557

Carsten Kowalczyk (Tufts University)

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Analysis of the causes and consequences of international trade and investment. Attention focused on the interplay of economic theory and empirical descriptions of foreign trade and direct investment patterns.

Prerequisite: Economics 1010a or 1011a.

[Economics 1542. International Trade Policy]

Catalog Number: 2613

Half course (spring term). Hours to be arranged.

Provides an introduction to the theory, history and empirical evaluation of international trade policy. Begins by reviewing the theory of trade and trade policy in both competitive and non-



competitive environments. Discusses the determinants and impact of 19th- and 20th-century trade policies. Concludes with an evaluation of major current trade policy debates.

Note: Expected to be given in 2001–02.

Prerequisite: Economics 1010a, or 1011a, or permission of instructor.

Economics 1545. International Financial and Macroeconomic Policy

Catalog Number: 5166

Kenneth Rogoff

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Advanced theoretical and empirical analysis of contemporary international macroeconomic policy issues, including speculative attacks on exchange rates and sovereign debt. First part of course develops theoretical and empirical foundations, whereas last part looks at a number of policy issues related to redesigning the international financial architecture.

Prerequisite: Economics 1010b or 1011b.

Primarily for Graduates

Economics 2530a. International Trade

Catalog Number: 4537

Elhanan Helpman

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Provides a broad overview of theory and evidence concerning international trade, direct foreign investment and trade policy. In addition to traditional approaches to comparative advantage, the course discusses in detail scale economies, imperfect competition, and product differentiation. These approaches are then expanded to deal with trade dynamics and economic growth. In this part technological factors play a key role, as do the economics of research and development. Trade policies are discussed in all these environments, focusing on resource allocation, growth, and welfare. Finally, the formation of trade policies is discussed as part of a political process in which special interest groups play a major role.

Note: Strongly recommended as preparation for Economics 2530b.

Economics 2530b. International Finance

Catalog Number: 7144

Kenneth Rogoff

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Financial aspects of growth and income determination in open economies. Specific topics include financial risk in the international setting; money and exchange rate regimes; income determination and macroeconomic policy; history of international monetary arrangements, and current issues in international monetary reform.

Prerequisite: Economics 2530a provides extremely useful background for topics in this course.

Economics 2535. Advanced Topics in International Trade

Catalog Number: 6410

Marc J. Melitz

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Covers advanced theoretical and empirical topics concerning the determinants of world trade



patterns.

Prerequisite: Economics 2530a or permission of instructor.

[Economics 2536. Advanced Topics in International Finance]

Catalog Number: 1718

Half course (fall term). Hours to be arranged.

Covers advanced theoretical and empirical topics in open economy macroeconomics and international finance.

Note: Expected to be given in 2001–02.

Economics 2537. International Trade Policy: Issues and Analysis

Catalog Number: 1699

Dani Rodrik (Kennedy School)

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Aims to develop expertise with economic models used for the analysis of international trade policy issues. Readings and discussions focus on theoretical and empirical work relating to: trade and income distribution; trade and growth; industrial policy and development; political economy of trade; the WTO and the international trade regime.

Note: Students are expected to make presentations and write a research paper. Offered jointly with the Kennedy School as ITF-345.

Prerequisite: Microeconomic theory, econometrics, international trade theory at the graduate level.

Economics 2540. The International Economics Workshop

Catalog Number: 4008

Elhanan Helpman (fall term), Richard N. Cooper, Marc J. Melitz, Dani Rodrik (Kennedy School), and Kenneth Rogoff

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. EXAM GROUP: 2

The nature of modern firms and markets. The main features of industrial structure and their relationship to market performance. Impact on the behavior of business enterprise in pricing, advertising, research and development, and profits.

Prerequisite: Social Analysis 10.



Economics 1601. Regulation and Antitrust

Catalog Number: 2851

Richard E. Caves

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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.

Prerequisite: Social Analysis 10.

[Economics 1630. Economics and the Arts]

Catalog Number: 4884

Richard E. Caves

Half course (spring term). Hours to be arranged.

Explores the economic issues that arise in the organization of economic activity in the visual and performing arts and industries with substantial “creative” components. Addresses issues of domestic and international public policy.

Note: Expected to be given in 2001–02.

Prerequisite: Social Analysis 10.

[Economics 1660. Law and Economics]

Catalog Number: 2236

Steven Shavell (Law School)

Half course (fall term). Hours to be arranged.

The emergence of the economic approach to the analysis of law — the hallmark of which is its focus on determining the consequences of legal rules — is today generally acknowledged to be one of the most significant developments in 20th-century legal scholarship. The course considers this new field of law and economics. Subjects covered are the four basic areas of legal systems: property law, contract law, tort law (civil liability), criminal law and law enforcement. Aspects of the legal process (suit, settlement, legal expenditures) are also discussed.

Note: Expected to be given in 2001–02.

Prerequisite: Social Analysis 10.

Economics 1661. Environmental and Resource Economics and Policy

Catalog Number: 2115

Robert N. Stavins (Kennedy School)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Provides a survey, from the perspective of economics, of policy issues associated with natural resource use and environmental protection. Lectures on conceptual and methodological topics are combined with case discussions of actual resource and environmental controversies. Topics: principles of environmental and resource economics; nonrenewable resources (minerals and energy), renewable resources (water, forests, land, fisheries, and wildlife); air pollution (stationary and mobile sources, acid rain, and global climate change); water pollution (point and nonpoint sources); waste management; sustainable development and political aspects of



environmental policy.

Note: Offered jointly with the Kennedy School as ENR-201.

Prerequisite: Social Analysis 10 or permission of instructor.

Economics 1690. Economic Theory of the Environment and Natural Resources

Catalog Number: 2939

Martin L. Weitzman

Half course (fall term). M., W., 1–2:30, plus section F., 1–2:30. EXAM GROUP: 6, 7

Provides a survey of the conceptual, analytical, and theoretical foundations of environmental and natural resource economics. Topics include the theory of public goods and externalities, common property, and alternative policies for controlling pollution. Dynamic analysis of the extraction and exploitation of renewable (e.g., fisheries) and nonrenewable (e.g., minerals) natural resources. Some treatment of theoretical aspects of cost-benefit analysis, environmental accounting, and sustainable development. An exploration of the basic conceptual issues involved in modeling biodiversity preservation.

Note: This is a mathematically rigorous course that provides the basic analytic framework for students seriously interested in environmental economics.

Prerequisite: Economics 1010a, or 1011a, and Mathematics 20, or equivalent.

Primarily for Graduates

Economics 2610. Industrial Organization I

Catalog Number: 3766

Ariel Pakes

Half course (fall term). M., 1–2:30, W., 1:30–3. EXAM GROUP: 6, 7

Applied and empirical work in industrial organization. Static analysis (theory and estimation): demand systems, cost functions, and game theoretic concepts of equilibrium. Mergers and cartels in a static setting. Dynamic analysis (theory, computation, and estimation): 1. Single agent problems in I.O. 2. Multiple agent problems (Markov Perfect Equilibrium for traditional investment games and extensions to learning by doing, dynamic demand — advertising and experience goods, durable goods — collusion, etc.).

Economics 2611. Industrial Organization II

Catalog Number: 2302

Markus M. Möbius and Ariel Pakes

Half course (spring term). Hours to be arranged. EXAM GROUP: 5, 6, 7

Application of industrial organization to problems of public policy. Analysis of antitrust policy; public utility regulation; regulation and deregulation of electricity, telecommunications and other sectors; health, safety and environmental regulation.

Note: Students are urged to take Economics 2610 before Economics 2611.

***Economics 2640hf. The Industrial Organization Workshop**

Catalog Number: 5981

Ariel Pakes and Richard E. Caves

Half course (throughout the year). M., 2:30–4. EXAM GROUP: 7, 8



***Economics 2690hf. Environmental Economics and Policy Seminar**

Catalog Number: 4324

Robert N. Stavins (Kennedy School) and Martin L. Weitzman

Half course (throughout the year). W., 4–5:30. 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

John Y. Campbell

Half course (fall term). Tu., Th., 2:30–4. 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; they are applied to fixed-income securities, equities, and derivative securities.

Prerequisite: Mathematics 20 and Economics 1010a or 1011a.

Economics 1745 (formerly Economics 1445). Corporate Finance

Catalog Number: 5889

Rafael LaPorta

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to corporate finance, including capital budgeting, capital structure of firms, dividend policy, incentives of insiders, and takeovers.

Prerequisite: Economics 1010a or 1011a.

Economics 1755. International Corporate Finance

Catalog Number: 1921

Rafael La Porta

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

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.

Primarily For Graduates

Economics 2723 (formerly Economics 2423). Asset Pricing I

Catalog Number: 2847

John Y. Campbell and Tuomo O. Vuolteenaho

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



An introduction to financial economics emphasizing discrete-time models and empirical applications. First half of course reviews basic asset pricing theory. Second half discusses empirical topics including predictability of stock and bond returns, the equity premium puzzle, intertemporal equilibrium models, and models of optimal portfolio choice for long-term investors.

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 to be emphasized include market efficiency, agency problems, and ownership.

Prerequisite: Economics 2060.

Economics 2727 (formerly Economics 2427). Topics in Empirical Corporate Finance

Catalog Number: 9055

Paul Gompers (Business School) and Joshua Lerner (Business School)

Half course (spring term). Th., 1:30–3:30. EXAM GROUP: 15, 16, 17

Examines empirical research in corporate finance. Covers empirical research methodology, financial institutions, financial market regulation, intellectual property and finance, product market/capital market interaction, and corporate governance.

Note: Offered jointly with the Business School as 4814. Structured to minimize overlap with Economics 2725. Seminar format; students write referee reports, papers, and a research paper.

Economics 2730 (formerly Economics 2430). Asset Pricing II

Catalog Number: 2235

Luis Manuel Viceira (Business School), George Carl Chacko (Business School), and Randolph B. Cohen (Business School)

Half course (spring term). F., 3–6. EXAM GROUP: 8, 9

Emphasis of course is both theoretical and empirical. First part of course uses continuous-time methods to develop models of the term structure of interest rates, return volatility, contingent claims valuation and optimal consumption and portfolio choice. Covers estimation methods for continuous-time models in finance. Second part develops intertemporal general equilibrium models of asset returns and discusses recent research on cross-sectional patterns in stock returns.

Note: Offered jointly with the Business School as 4244.

Prerequisite: Graduate-level microeconomics, macroeconomics, and econometrics; Economics 2723 or equivalent.

Economics 2735. Topics in Corporate Finance

Catalog Number: 3728

Andrei Shleifer and Jeremy C. Stein

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Topics include: privatization, law and finance, theories of banking, conglomerates and internal capital markets.



Note: Expected to be omitted in 2001–02.

Prerequisite: Economics 2725; may be taken concurrently.

***Economics 2770hf. The Financial Economics Workshop**

Catalog Number: 1379

John Y. Campbell, Laurent E. Calvet, Rafael La Porta, Andrei Shleifer, Jeremy C. Stein, and Tuomo O. Vuolteenaho

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

Labor, Human Resources, and Income Distribution; Urban Economics

For Undergraduates and Graduates

[Economics 1800. The Economics of Cities]

Catalog Number: 2159

Edward L. Glaeser

Half course (spring term). Hours to be arranged.

Addresses the central questions of why cities exist, what roles will cities continue to play in the economy, and what determines the rise and fall of cities. Special attention is paid to cities and information, and social problems in cities.

Note: Expected to be given in 2001–02.

Prerequisite: Social Analysis 10 and Statistics 100.

Economics 1812. Operation of the Labor Market

Catalog Number: 0421

James L. Medoff

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Presents the tools employed in research on the operation of the labor market and then uses them to discuss issues such as the determinants of earnings differentials, the impact of various firm characteristics on labor-market outcomes, discrimination, and unemployment.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

Economics 1813. The Indebted Society

Catalog Number: 6957

James L. Medoff

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

First charts trends in personal, corporate, and government indebtedness in the U.S., then discusses the impact of each change on societal well-being. Finally, asks about public policy concerning the various forms of U.S. debt.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

Economics 1815 (formerly Economics 1015). Social Problems of the American Economy

Catalog Number: 3130

Lawrence F. Katz

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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). Hours to be arranged.

Explores discontinuous changes in the economic position of groups and countries and presents mathematical and computer simulation models designed to illuminate these changes. Examples: growth/decline of trade unions; segregation of groups; changes in corporate work culture; growth of social pathologies in neighborhoods; Malthusian concerns about the environment. Models: nonlinear simulations; neural networks; finite automata; evolutionary stable strategies; causal conjunctures; agent-based simulations; genetic algorithms. Primary emphasis is on using models and computer programs to analyze the substantive examples rather than on mathematics.

Note: Expected to be given in 2001–02. The course requires a research paper. Students should have some mathematical background, but there is no prerequisite. The course is primarily designed for undergraduates.

[Economics 1822. Economics of Education]

Catalog Number: 1004

Caroline M. Hoxby

Half course (fall term). Hours to be arranged.

Explores questions such as why people attain different levels of education, why schools are or are not efficient, how education should be financed to achieve both equity and efficiency goals, what explains rising tuition in higher education, and whether education is an engine of macroeconomic growth. Examines education topics using economic theory from labor economics (human capital investment, the market for teachers), public economics (financing K-12 education, public colleges), industrial organization (the structure of the education industry, agency problems in public education), and macroeconomics (growth theory).

Note: Expected to be given in 2001–02. The emphasis on application of theory, the discussion of research, and the option of a research paper make this a useful course for students thinking about honors theses in economics.

Prerequisite: Economics 1010a, or 1011a, or permission of the instructor.

Cross-listed Courses

[Women's Studies 102 (formerly Women's Studies 10c). Gender and Inequality]

Primarily for Graduates

[Economics 2800a. Cities, Externalities and Economic Growth]

Catalog Number: 3319

Edward L. Glaeser

Half course (spring term). Hours to be arranged.



Focus is on externalities and particularly informational externalities in cities. Urban growth, crime, riots, ghettos and urban labor markets will be particularly important to the course.

Note: Expected to be given in 2001–02.

Prerequisite: Ph.D.-level courses in economic theory and econometrics or permission of instructor.

[Economics 2800chf. Urban Economics, Transportation, and Regional Economic Development Seminar]

Catalog Number: 5383

Edward L. Glaeser and John R. Meyer (Kennedy School)

Half course (throughout the year). Hours to be arranged.

Working seminar based on presentations of ongoing research for graduate students specializing in urban economics, regional economics, and transportation.

Note: Expected to be given in 2001–02. Students enrolled for credit must prepare and present a research paper.

Prerequisite: Economics 2800a, or 2800b, or permission of instructor.

Economics 2810a. Labor Market Analysis

Catalog Number: 4862

Caroline M. Hoxby

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to theoretical and empirical research related to labor markets, wages, education, employment and unemployment. Wage determination topics include: equalizing differences, self-selection, human capital, education, training, job mobility, and recent wage theories including matching, agency, insurance, and tournament models. Labor supply topics include: allocation of time, taxes, unemployment insurance, and life-cycle models. Labor demand topics include: the effect of minimum wage on employment, dynamic adjustment models, and the impacts of technological change and international trade on the wage structure. Provides an introduction to current empirical methods in applied microeconomics.

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

Focuses on the operation of the labor market and impact of labor market institutions on labor market outcomes. Topics include labor econometrics; theories of wage determination; empirical analysis of wage differentials and changes in the wage structure; models of trade union behavior and research on the impact of unions; institutional change in the labor market; unemployment; labor market segmentation and discrimination; and the labor market in an open economy.

Economics 2812. The Labor Economics Workshop

Catalog Number: 0230

Lawrence F. Katz and Caroline M. Hoxby

Full course. W., 4–5:30. EXAM GROUP: 9

Focuses on research concerning the operation of labor markets.



***Economics 2813. Labor and Work Life Forum**

Catalog Number: 1415

Paul C. Weiler (Law School)

Half course (spring term). W., 4–6. EXAM GROUP: 9

Research and discussion with trade union leaders and management concerning labor issues.

Graduate Courses of Reading and Research

Economics 2086r (formerly Economics 3086r). The Theory Workshop

Catalog Number: 6378

Philippe Aghion, Drew Fudenberg, Jerry R. Green, and Alvin E. Roth

Half course (fall term; repeated spring term). Th., 4–6.

***Economics 3000. Research Paper**

Catalog Number: 4174

Members of the Department

Intended to fulfill the Research Paper Requirement for the Ph.D. degree in Economics.

Ordinarily, this course is taken during the spring term of the second year of graduate study.

***Economics 3005. Reading and Research**

Catalog Number: 3493

Members of the Department

Any professor, associate professor, assistant professor, or lecturer in residence is available for this course. Individual work or work in small groups, in preparation for the general examination for the Ph.D. degree, or by arrangement, in special topics not included in the announced course offering.

***Economics 3010. Direction of Doctoral Dissertations**

Catalog Number: 4579

Members of the Department

Note: In all cases the thesis topic must have been formally submitted to and approved by a thesis advisor.

***Economics 3011. Research in Behavior in Games and Markets**

Catalog Number: 0109

Drew Fudenberg 3460, Laurent E. Calvet 1495, Jerry R. Green 1539 (on leave spring term), David I. Laibson 1241, Markus M. Möbius 3441, Alvin E. Roth 564, and Michael A. Schwarz 2729

Half course (fall term; repeated spring term). W., 12–1:30.

Serves mainly as a forum for presentations by graduate students of their current research. Work presented can be very preliminary and conjectural.

Prerequisite: Economics 2010a (or 2020a) and 2010b (or 2020b).

***Economics 3163hf. Research in Econometrics**

Catalog Number: 4392

Gary Chamberlain 1745, Dale W. Jorgenson 2000, Jack R. Porter 2337, James H. Stock



(Kennedy School) 1783, and Samuel B. Thompson 3406

Half course (throughout the year). M., 12–1:30.

Participants discuss recent research in econometrics and present their own work in progress.

Open to doctoral students in Economics who have passed their general oral examinations.

***Economics 3390hf. Research in Economic Development**

Catalog Number: 2532

Michael Robert Kremer 2112 (on leave spring term), Philippe Aghion 1263, Robert J. Barro

1612 (on leave fall term), Dwight H. Perkins 2300, Ashok S. Rai 3127, and Jeffrey G. Williamson

7680 (on leave 2000-01) (fall term only)

Half course (throughout the year). W., at 1. EXAM GROUP: 6

Participants discuss recent research in development economics and present their own work in progress.

Open to doctoral students in economics who have passed their oral examinations.

***Economics 3410dhf. Research in Macroeconomics**

Catalog Number: 2126

N. Gregory Mankiw 1118, Alberto F. Alesina 2074, Robert J. Barro 1612 (on leave fall term),

Francesco Caselli 1489, Christopher L. Foote 2333, and David I. Laibson 1241

Half course (throughout the year). Tu., 12–1:30. EXAM GROUP: 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 general oral examinations.

***Economics 3450chf. Research in Public Economics and Fiscal Policy**

Catalog Number: 3436

David M. Cutler 2954 (on leave 2000-01) (fall term only), Caroline M. Hoxby 1235, Lawrence

F. Katz 1480, Judith Li 2144, John F. McHale 1674, and Emmanuel Saez 1654 (on leave 2001-

02)

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.

Note: Open to doctoral students in Economics who have passed their oral examinations.

***Economics 3460chf. Research in Health Economics**

Catalog Number: 5309

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (throughout the year). Tu., 8–9:30 p.m.

Participants discuss recent research in health economics. Course may also include presentation of original research by participants.

Note: Open to doctoral students only. Enrollment by permission of instructors.

***Economics 3530hf. Research in International Economics**

Catalog Number: 5777

Elhanan Helpman 2334 (on leave spring term), Richard N. Cooper 7211, Marc J. Melitz 3499,

and Kenneth Rogoff 1746 (on leave 2001-2002)

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 and Richard E. Caves 1414

Half course (throughout the year). Fall: Tu., 2–4; Spring: W., 4–5:30. EXAM GROUP: Fall: 16, 17

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

Andrei Shleifer 2772, Lucian Arye Bebchuk (Law School) 2042, Oliver S. Hart 3462, and Louis E. Kaplow (Law School) 3223

Half course (throughout the year). W., 4–6.

The presentation of work in progress in the field of law, economics, and organizations. Presentations to be made by members of the various Harvard faculties, outside speakers, and graduate students. Open to all faculty and students with an interest in law, economics, and organizations.

***Economics 3723hf (formerly *Economics 3423hf). Research in Financial Economics**

Catalog Number: 4107

John Y. Campbell 1230, Laurent E. Calvet 1495, Rafael La Porta 1466, Andrei Shleifer 2772, Jeremy C. Stein, Tuomo O. Vuolteenaho, and Luis Manuel Viceira (Business School) 3183

Half course (throughout the year). F., 12–1:30.

Participants discuss recent research in financial economics and present their own work in progress. Open to doctoral students in economics who have passed their general oral examinations.

***Economics 3810chf. Research in Labor Economics**

Catalog Number: 4066

Lawrence F. Katz 1480, Claudia Goldin 2667, and Caroline M. Hoxby 1235

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 general 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 Noah Alkalay, Lecturer on Engineering Sciences
 Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics
 Michael J. Aziz, Gordon McKay Professor of Materials Science
 Ana P. Barros, Associate Professor of Environmental Engineering on the Gordon McKay Endowment
 Michael S. Brandstein, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
 Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science
 Brian F. Farrell, Robert P. Burden Professor of Meteorology
 Joseph J. Harrington, Gordon McKay Professor of Environmental Engineering (*FAS*), Professor of Environmental Health Engineering (*Public Health*)
 Yu-Chi Ho, T. Jefferson Coolidge Research Professor of Applied Mathematics and Gordon McKay Research Professor of Engineering (*on leave fall term*)
 Robert D. Howe, Gordon McKay Professor of Engineering
 John W. Hutchinson, Gordon McKay Professor of Applied Mechanics (*Co-Director of Undergraduate Studies, Associate Dean of Academic Programs in the Division of Engineering and Applied Sciences*) (*on leave fall term*)
 Daniel J. Jacob, Gordon McKay Professor of Atmospheric Chemistry and Environmental Engineering
 R. Victor Jones, Robert L. Wallace Professor of Applied Physics
 Aleksandar Kavcic, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment (*Co-Director of Undergraduate Studies, spring term only*)
 H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering
 S. Daniel Kwak, Lecturer on Engineering Sciences
 Jose F. Magalhaes, Visiting Assistant Professor of Engineering Sciences
 Scot T. Martin, Associate Professor of Environmental Chemistry on the Gordon McKay Endowment
 Igor Mezic, Associate Professor of Mechanical Engineering on the Gordon McKay Endowment
 Ralph Mitchell, Gordon McKay Professor of Applied Biology
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics (*Dean of the Division of Engineering and Applied Sciences*)
 Alfred A. Pandiscio, Senior Lecturer on Electronics on the Gordon McKay Endowment
 James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
 Peter P. Rogers, Gordon McKay Professor of Environmental Engineering
 Irvin C. Schick, Lecturer on Engineering Sciences
 Garrett B. Stanley, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment (*Co-Director of Undergraduate Studies, fall term only*)
 Howard A. Stone, Harvard College Professor and Gordon McKay Professor of Chemical



Engineering and Applied Mechanics (*on leave spring term*)

Joost J. Vlassak, Assistant Professor of Materials Engineering on the Gordon McKay Endowment

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate of the Harvard Forest

Woodward Yang, Gordon McKay Professor of Electrical Engineering and Computer Science (*Co-Director of Undergraduate Studies, fall term only*) ()

The Division of Engineering and Applied Sciences offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended curricula may be obtained from the Academic Office, Pierce Hall 110a. Division faculty also offer several courses in the section entitled General Education Electives.

For information concerning concentration in Engineering Sciences, please consult the Co-Directors of Undergraduate Studies or the Academic Office, Division of Engineering and Applied Sciences, Pierce Hall 110a.

Primarily for Undergraduates

Engineering Sciences 50. Introduction to Electrical Engineering

Catalog Number: 4499

Woodward Yang and Alfred A. Pandiscio

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Intended for freshmen and sophomore level students. Introduces basic electrical engineering concepts including voltage, current, charge, resistance, capacitance, inductance, Kirchoff's Current Law, and Kirchoff's Voltage Law. In addition, a survey of practical digital and analog electronics (such as computers, television, telephones, CDROMs, video games, modems and satellite communications) will be presented to illustrate more advanced topics in electrical engineering and computer science including signal processing, semiconductor circuits, communications and computer architecture. The course assumes only a basic knowledge of high school physics, linear algebra and elementary calculus.

Note: Ordinarily cannot be taken for credit after Engineering Sciences 154 or Computer Science 141 or Physics 123.

[Engineering Sciences 51. A Computer-Aided Design Approach to Engineering]

Catalog Number: 0322

Half course (spring term). Hours to be arranged.

A first course in the design and construction of mechanical and electromechanical devices. Computational structures and algorithms for the representation and manipulation of geometrical data. Introduction to materials selections as applied to structural designs, including stress-strain analysis, thermal stresses, analysis, etc. Design of two-dimensional mechanisms; related rates, mechanical advantage. Computer controlled machine tools and their control languages; the speed and precision of machine tool operations. Designing to minimize vibration, wear, and noise; designing for reliability and longevity. Emphasis on laboratory work and individual design



projects carried out using numerically controlled machine tools.

Note: Expected to be given in 2001–02. An introductory engineering design course open to freshmen, sophomores, and juniors. May not be taken concurrently with other engineering design courses.

Prerequisite: Mathematics 1b (may be taken concurrently); high school physics; experience with some programming language.

***Engineering Sciences 91r. Supervised Reading and Research**

Catalog Number: 1113

John W. Hutchinson and Aleksandar Kavcic

Half course (fall term; repeated spring term). Hours to be arranged.

Guided reading and research.

Note: Normally open to candidates accepted for work on a specific topic by a member of the teaching staff of the Division of Engineering and Applied Sciences. Normally may not be taken for more than two terms; may be counted for concentration in Engineering Sciences if taken for graded credit. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

***Engineering Sciences 96. Engineering Design Projects**

Catalog Number: 8461 Enrollment: Limited to 25.

Frederick H. Abernathy and R. Victor Jones

Half course (spring term). M., 2–4, W., 8:30–10 p.m. EXAM GROUP: 7, 8

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.

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 open only to students in special circumstances. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project forms are available in Pierce Hall 110a. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.

***Engineering Sciences 100hf. Engineering Design Projects**

Catalog Number: 7535

Robert D. Howe

Half course (throughout the year). Th., 4–6. EXAM GROUP: 18



Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical fabrication techniques.

Note: Ordinarily taken in the senior year. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project forms are available in Pierce Hall 110a. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.

Engineering Sciences 101. Applied Statistics

Catalog Number: 3350

Joseph J. Harrington

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7

Survey course for students in the applied sciences. Probability, statistical inference, estimation and stochastic processes introduced through the solution of several problems in applied science (e.g., environmental sciences, decision analysis, chemical kinetics, fluid and solid mechanics, and oceanography). Generation, manipulation and display of data bases, parameter estimation, choice among models, multivariate analyses, and robustness. Computer exercises will be required.

Note: No previous knowledge of statistics or probability is presumed.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 102. Introduction to Operations Research

Catalog Number: 2844

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 necessary.

Prerequisite: Applied Mathematics 21b or Mathematics 21b and some knowledge of probability and statistics at the level of Statistics 110 or Engineering Sciences 101.

Engineering Sciences 120. Introduction to the Mechanics of Solids

Catalog Number: 1493

James R. Rice

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A first course in the mechanical sciences which explains how materials and structures stretch, bend, twist, shake, buckle, and break. Forces in machines and statically determinate structures. Stress-strain behavior of materials. Statically indeterminate structures. Beam theory with applications to beam deflections, vibrations, and buckling. Energy and virtual work methods for structures. Multiaxial stress and strain. Elements of continuum mechanics. Stress concentration; introduction to fatigue and fracture of solids. Four or five laboratory sessions required.



Prerequisite: Physics 11a or 15a, and Applied Mathematics 21a or Mathematics 21a (previously) and Applied Mathematics 21b or Mathematics 21b (previously or concurrently).

Engineering Sciences 123. Introduction to Fluid Mechanics

Catalog Number: 8323

Igor Mezic

Half course (spring term). Tu., Th., 1–2:30, and laboratory. EXAM GROUP: 15, 16

Statics and dynamics of fluids. Buoyancy, stability, and hydrostatics. Laminar viscous flows, simple boundary layers. Dimensional analysis. Potential flows, origin of lift. Gravity waves, open channel flow. Navier-Stokes equation, Reynolds' stress, turbulent flows in boundary layers and pipes. Applications in mechanical and chemical engineering, aerodynamics, etc.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b; Engineering Sciences 120 and Applied Mathematics 105a or 105b recommended.

Engineering Sciences 125. Mechanical Systems

Catalog Number: 7274

Frederick H. Abernathy

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Modeling and analysis of mechanical and electromechanical systems. Topics include resonance, damping, frequency response, Laplace transform methods, Lagrange's equations, multiple degree-of-freedom systems, and rigid body rotations. Computer exercises on simulation of linear and nonlinear dynamic systems. Laboratory: experiments on vibration, stabilization, and complex dynamical system using modern electronic instrumentation and data reduction systems. Computer simulations of a few systems will become laboratory exercises.

Note: May not be taken for credit in addition to Physics 151.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b or Mathematics 22a,b; Physics 11a or 15a.

Engineering Sciences 128. Computational Solid and Structural Mechanics

Catalog Number: 0359

Jose F. Magalhaes

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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 143. Introduction to Biotransport Processes]

Catalog Number: 4194

David Edwards



Half course (spring term). Hours to be arranged.

This course aims to apply fundamental engineering science toward solving important biomedical problems. Blood flow, respiration, cellular and extracellular tissue transport will be discussed. Basic principles from fluid mechanics will be used to explore applications to drug delivery systems.

Note: Expected to be given in 2001–02.

Prerequisite: Undergraduate or graduate (preferred) fluid mechanics; mathematics at the level of ordinary and partial differential equations (e.g. Applied Mathematics 105B).

***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 11. EXAM GROUP: 4

Introduces students to discovery and pre-clinical and clinical development in the genomics, drug delivery, and medical device industries. Overviews biological systems including the immune and circulatory systems, and the lungs, heart and brain. Describes classes of drugs including small molecules and proteins, and the chemistry and engineering involved in drug delivery systems such as polymeric microspheres, gene vectors, pulmonary inhalers, and transdermal patches. Lectures or additional meetings will include speakers from the biotech community (senior officers of biotech companies and leading scientists). Students participate in the class through group projects in which they will research industries, technologies, preclinical and clinical developments, and markets.

Note: Expected to be omitted in 2001–02.

Prerequisite: An understanding of organic chemistry is strongly recommended. Exceptions will be made with approval of the instructor.

Engineering Sciences 145. Introduction to Systems Analysis with Physiological Applications

Catalog Number: 8197

Garrett B. Stanley and guest lecturers

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A survey of systems theory with applications from bioengineering and physiology. Analysis: differential equations; linear and nonlinear systems; stability; the complementary nature of time and frequency domain methods; feedback; and biological oscillations. Applications: nerve function, muscle dynamics, and cardiovascular regulation. Laboratory: neural models; feedback control systems; properties of frog muscle; and cardiovascular function.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 148. Neural Signal Processing

Catalog Number: 0495

Garrett B. Stanley and guest lecturers

Half course (spring term). Tu., Th., 10–11:30, and an additional hour to be arranged. EXAM GROUP: 12, 13

Examines the generation, transmission, and processing of signals in single nerve cells and in neural ensembles, with emphasis on physical principles and contemporary mathematical models.



Develops relevant analytical techniques, including: systems theory; filtering; Fourier analysis; stochastic processes; estimation; and network theory. Special attention is given to the physiology of the mammalian visual system.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and physics at the level of Physics 15b. Engineering Sciences 145 is ideal preparation; Biological Sciences 25 may compensate for lesser preparation in mathematics or physics.

Engineering Sciences 149. Muscles, Reflexes, and Locomotion

Catalog Number: 4152

Robert D. Howe and Jack T. Dennerlein (Public Health)

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

The neuromuscular system and its workings seen through the use of mathematical models. The muscle proteins. Muscle heat. A. F. Huxley's mathematical model of crossbridge distribution with steady shortening. Models featuring several attached states. Theoretical models of reflex actions and their effects on walking and running. Consequences of body size. Comparison with robotic walking and running.

Prerequisite: Engineering Sciences 145 and a knowledge of basic animal physiology.

Engineering Sciences 151. Electromagnetic Communication with Wireless Applications

Catalog Number: 5742

Aleksandar Kavcic

Half course (spring term). M., W., 2:30–4, and additional laboratory sections to be arranged.

EXAM GROUP: 7, 8

A study of basic physics and signal processing that make wireless electromagnetic communications possible. Topics include: electromagnetic properties of matter, Maxwell's equations, electromagnetic wave propagation through free space and along waveguides, transmission line analysis, characteristics of receiving and transmitting antennas, antenna arrays, stochastic characterization of wireless channels, temporal and spatial filtering, wireless cellular systems, multiaccess methods (TDMA, FDMA, CDMA).

Prerequisite: Familiarity with basic electromagnetics (Physics 15b), circuit analysis (Engineering Sciences 154 or 50), and Fourier analysis (Engineering Sciences 156, 125, or Applied Mathematics 105a).

Engineering Sciences 154. Introduction to Electronic Circuits

Catalog Number: 6319

R. Victor Jones

Half course (fall term). Tu., Th., 10–11:30, plus labs to be arranged. EXAM GROUP: 12, 13

Presentation of basic circuit theory and electronic design. Topics include circuit analysis techniques; transient and frequency response; diode and transistor circuits; operational amplifier circuits; computer simulation of electronic circuits with SPICE. Additional laboratories illustrate techniques for measurement and design of real electronic circuits.

Prerequisite: An introduction to differential equations as in Applied Mathematics 21b or Mathematics 21b, and an introduction to electricity and magnetism as in Physics 11b or 15b.

Engineering Sciences 156. Signals and Systems

Catalog Number: 6284



Michael S. Brandstein

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Time and frequency domain representations and analysis of signals and systems. Convolution and linear input-output systems in continuous and discrete time. Fourier transforms and Fourier series for continuous- and discrete-time signals. Laplace and Z transforms. Analog and digital filtering. Modulation. Sampling. FFT. Applications in circuit analysis, communication, control, and computing.

Prerequisite: Applied Mathematics 21b or Mathematics 21b.

Engineering Sciences 157. Computer Speech Generation and Recognition

Catalog Number: 1724

Michael S. Brandstein

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to computer speech processing and human-machine communication by speech. Acoustic theory and models for speech production. Time- and frequency-domain analysis of speech signals. Speech coding: linear prediction, vector quantization. Vocoder and text-to-speech synthesis. Theory and methodologies for computer speech recognition: dynamic pattern matching, hidden Markov models, neural networks.

Prerequisite: Engineering Sciences 156 or permission of instructor.

Engineering Sciences 158. Digital Communications

Catalog Number: 7721

Aleksandar Kavcic

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Examines the fundamental theories behind modern digital communication systems. Topics include: fundamental limits on communications, channel coding theorem, channel capacity theorem; baseband communications, orthogonal signal bases, matched filter receiver; digital representations of analog signals, sampling; waveform coding; baseband waveform coding; baseband waveform shaping, pulse amplitude modulation and intersymbol interference channels; digital modulation techniques; elements of error-control coding/decoding, viterbi decoding/detection; elements of spread-spectrum communications.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

Engineering Sciences 159. Introduction to Robotics

Catalog Number: 3126

Robert D. Howe

Half course (fall term). M., W., F., at 10 and laboratory hours to be arranged. EXAM GROUP: 3

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.

Prerequisite: Computer Science 50, and either Engineering Sciences 125 or 156.

Engineering Sciences 162. Hydrology

Catalog Number: 4163



Ana P. Barros

Half course (spring term). Tu., Th., 2:30–4. 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

Peter P. Rogers

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2001–02. For undergraduates or graduates without background in environmental engineering.

Prerequisite: Exposure to the material in Engineering Sciences 162 and 168 is recommended; Applied Mathematics 21a or 21b, or equivalent mathematical background is required.

[Engineering Sciences 166. Principles of Environmental Data Analysis, Measurements, and Modeling]

Catalog Number: 3598

Steven C. Wofsy

Half course (spring term). Hours to be arranged.

An introduction to the experimental, statistical, and computational methods used in environmental research, with an emphasis on atmospheric chemistry and global biogeochemistry. Students will develop and implement computer models of natural systems and will analyze data from laboratory and field measurements using statistical and simulation methods. Applications will be taken from current research in air pollution and global change. The course will be taught partly in seminar format and will include two design projects.

Note: Expected to be given in 2001–02.

Prerequisite: An atmospheric or environmental chemistry course, such as Earth and Planetary Sciences 133 or 200, or permission of the instructor.

Engineering Sciences 167. Environmental Assessment

Catalog Number: 6885

Peter P. Rogers

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Examines the methods and approaches to environmental impact assessment currently being used and new approaches which rely on improved scaling and index development. Geographical



Information Systems (GIS) will be used extensively. Models of impact and indices for air, water, and land impacts will be examined using data from Asia and North America. Cost-of-remediation and environmental elasticity indicators will be examined and their use in engineering design and regulation of the environment will be assessed.

Prerequisite: Familiarity with the material of Science B-34 and Social Analysis 10.

Engineering Sciences 168. Aquatic Chemistry

Catalog Number: 5874

Scot T. Martin

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Applications of organic, inorganic, and physical chemistry to describe and quantify processes occurring in natural waters. Thermodynamics and kinetics of aqueous solutions, acid-base chemical transformations, role of dissolved carbon dioxide, gas-water exchange, complexation of aqueous metal ions, precipitation and dissolution, oxidation and reduction, electrical aspects of solid-solution interfaces, particle aggregation, trace metal cycling, and photochemistry.

Prerequisite: Chemistry 5 and 7 or equivalent.

Engineering Sciences 181. Thermodynamics

Catalog Number: 3889

Michael J. Aziz

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to engineering thermodynamics with emphasis on elements of classical thermodynamics. Kinetic theory and statistical mechanics briefly discussed to provide a molecular interpretation of thermodynamic properties such as entropy. Topics: zeroth law and temperature. Properties of single-component gases, liquids, and solids; steam tables. Equations of state for ideal and simple nonideal substances. First law, heat and heat transfer, work, internal energy, enthalpy. Second law, entropy, free energy. Third law. Heat engines and important engineering applications such as refrigerators, power cycles, air conditioning. Properties and simple models of solutions. Phase and chemical equilibrium in multicomponent systems; chemical potential. Laboratory included.

Prerequisite: Physics 11 or 15 and Mathematics 21; chemistry at the level of a good secondary school course, or Chemistry 5.

Engineering Sciences 190. Introduction to Materials Science

Catalog Number: 6973

Joost J. Vlassak

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the structure and properties of materials. Bonding between atoms. Crystal structure and diffraction. Phase transformations: phase diagrams, diffusion, nucleation and growth. Mechanisms of deformation and fracture. Effect of microstructure on properties.

Prerequisite: Engineering Sciences 181 or equivalent, Physics 11 or 15, and Applied Mathematics 21a,b or Mathematics 21a,b.

Cross-listed Courses

Earth and Planetary Sciences 30. Environmental Microbiology



Primarily for Graduates

Additional courses of interest to graduate students in Decision, Control, and Communication include: Economics 2010a, 2010b, 2010c, 2110b, 2140a; Statistics 110, 171.

Engineering Sciences 201. Decision Theory

Catalog Number: 2362

Roger W. Brockett

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Mathematical analysis of decision making under uncertainty. Axiomatic derivation of subjective probability and utility. Decision trees, normal and extensive form, value of information. Bayesian inference. Comparison with classical forms of inference. Optimal sample size. Estimation and sequential decision problems. Normal and regression models. Applications to business decisions, engineering problems, sampling, etc.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b, and Statistics 110 or equivalents.

Engineering Sciences 202. Estimation and Control of Dynamic Systems

Catalog Number: 5080

Roger W. Brockett

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.

Note: Expected to be given in 2001–02.

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). W., 2:30–5:30. EXAM GROUP: 7, 8, 9

Complex human made systems abound in modern civilization ranging from the Internet to the



electric power grid of the US. The design and analysis of such systems all require modeling, analysis, optimization, and computerized learning. This course will tackle the study of such systems from a unified viewpoint. It is an expanded version of Engineering Sciences 205 of past years and incorporates parts of Engineering Sciences 102, 201, and 202, and Economics 2052.

Prerequisite: Applied Mathematics 21a,b, or Mathematics 21a,b, and Statistics 110 (or equivalents).

[Engineering Sciences 209. Nonlinear Control Systems]

Catalog Number: 1194

Roger W. Brockett

Half course (fall term). Hours to be arranged.

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 2001–02.

[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, Karmarkar's method. Unconstrained optimization, Kuhn-Tucker theory, nonlinear programming.

Note: Expected to be given in 2001–02. Offered in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b; Applied Mathematics 120, or equivalent, would be helpful, but is not required.

***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 11. EXAM GROUP: 4

Students are expected to meet all of the requirements of Engineering Sciences 144 and in addition are required to write a term paper with significant analytical and engineering emphasis in the area of technology development in biomedical engineering.

Note: Expected to be omitted in 2001–02.

Prerequisite: An understanding of organic chemistry is strongly recommended. Exceptions will be made with approval of the instructor.

Engineering Sciences 215. Advanced Introduction to Systems Analysis with Physiological Applications

Catalog Number: 5493

Garrett B. Stanley and guest lecturers.

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Students are expected to meet all of the requirements of Engineering Sciences 145 and in



addition are required to write a term paper with significant analytic emphasis. Informal discussion groups will be formed to extend material beyond the lectures.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 218. Advanced Neural Signal Processing

Catalog Number: 7709

Garrett B. Stanley and guest lecturers

Half course (spring term). Tu., Th., 10–11:30, and an additional hour to be arranged. EXAM GROUP: 12, 13

Students are expected to meet all of the requirements of Engineering Sciences 148 and in addition are required to write a term paper with significant analytic emphasis.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and physics at the level of Physics 15b. Engineering Sciences 145 is ideal preparation; Biological Sciences 25 may compensate for lesser preparation in mathematics or physics.

***Engineering Sciences 219r. Special Topics in Biomedical Engineering: Orthopedic Biomechanics**

Catalog Number: 0696

Ron Noah Alkalay and S. Daniel Kwak

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

Introductory course in biomechanics as applied to orthopedic science. Review of anatomy, kinematics, and solid mechanics for the musculoskeletal system. Emphasis on the mechanics of joints (movement, force transmission), bone, and soft tissues (e.g., cartilage, ligament, muscle). Examples from emerging technologies including imaging, cellular mechanics, and tissue engineering.

Note: Expected to be omitted in 2001–02.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b; Physics 11a or 15a; Engineering Sciences 120 or equivalent introductory solid mechanics course.

Engineering Sciences 220. Fluid Dynamics

Catalog Number: 2759

Howard A. Stone

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Vector and tensor calculus. Conservation laws; kinematics and constitutive equations. Exact solutions of the Navier-Stokes equations. Lubrication theory and flows at low Reynolds numbers. Potential flows and boundary layer theory. Introduction to turbulent flows and free-surface flows.

Prerequisite: Familiarity with classical mechanics, partial differential equations, and vector and tensor calculus. An undergraduate course in fluid dynamics is strongly recommended.

Engineering Sciences 225r. Special Topics in Fluid Dynamics: Dynamical Systems Methods

Catalog Number: 3982

Igor Mezic

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Current topics will center around applications of dynamical systems methods to problems of current interest in fluid mechanics. Topics to be covered include fundamentals of dynamical



systems theory and ergodic theory, Lagrangian dynamics in two-dimensional and three-dimensional flows, consequences for advection-diffusion processes and applications to control of mixing.

Prerequisite: A previous graduate course in fluid dynamics is strongly recommended, e.g., Engineering Sciences 220.

[Engineering Sciences 240. Solid Mechanics]

Catalog Number: 2984

John W. Hutchinson

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Foundations of continuum mechanics and development of elasticity theory: conservation laws; concepts of stress and strain; theory of constitutive response; mechanical behavior of materials. Vectorial, dyadic, and tensorial form of equations. Elementary elasticity solutions for waves and vibrations; stresses due to rotation, temperature change, dislocations, and surface loading; bending and torsion; buckling instabilities. Plate theory.

Note: Expected to be given in 2001–02.

Prerequisite: Applied Mathematics 105a,b or equivalent; introduction to solid mechanics at the level of Engineering Sciences 120, or Earth and Planetary Sciences 166, or Applied Physics 293.

Engineering Sciences 241. Advanced Elasticity

Catalog Number: 6711

John W. Hutchinson and James R. Rice

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Plane elasticity and complex variable methods. Elastic crack solutions. Basic three-dimensional problems. Inclusions and inhomogeneities. Thermodynamics of deformation. Dynamic elasticity, waves, radiation from faults and cracks. Elastic theory of composite materials and cracked bodies.

Note: Continuation of Engineering Sciences 240.

Prerequisite: Engineering Sciences 240 and Applied Mathematics 201 or equivalent.

[Engineering Sciences 242r. Solid Mechanics: Advanced Seminar]

Catalog Number: 5379

John W. Hutchinson and Joost Vlassak

Half course (spring term). Hours to be arranged.

Topic in 1999–00: The mechanics of thin films and multilayers. Residual stresses in films and their origin. The mechanics of cracking and decohesion. Yield strength and interface toughness.

Note: Expected to be given in 2001–02.

Prerequisite: Engineering Sciences 240.

Engineering Sciences 246. Plasticity and Finite Deformation

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, polycrystals. Ideal plasticity. Boundary value problems,



plastic collapse, buckling of structures. Finite strain measures of stress and strain, localization instabilities.

Prerequisite: Engineering Sciences 240, or equivalent.

[Engineering Sciences 247. Fracture Mechanics]

Catalog Number: 7152

John W. Hutchinson

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Fundamentals of fracture with applications in materials and structural mechanics.

Micromechanics of fracture and fatigue in ceramics, metals, and polymers. Fracture of composite materials. Interfacial fracture mechanics. Plasticity and creep effects.

Note: Expected to be given in 2001–02.

Prerequisite: Engineering Sciences 240 or equivalent.

[Engineering Sciences 248. Fluid Flow in the Human Body]

Catalog Number: 3278

Half course (spring term). Hours to be arranged.

Principles of fluid mechanics, hydroelasticity, and wave theory important to medical physiology. Analytic descriptions of blood rheology, flow in the microcirculation, pulsatile blood flow, sounds in the cardiovascular and respiratory systems, lung mechanics, deposition of particles, peristalsis.

Note: Expected to be given in 2001–02.

Prerequisite: An introduction to partial differential equations as in Applied Mathematics 105b.

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). M., W., F., at 10, and a laboratory section to be arranged. EXAM GROUP: 3

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.

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 2001–02.

Prerequisite: Engineering Sciences 123 or permission of instructor.

Engineering Sciences 261. Design of Water Resource Systems

Catalog Number: 3919

Peter P. Rogers

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Functional design of management systems for collection, storage, conveyance, treatment, and distribution of water. Uses techniques of operations research to develop methods for planning integrated systems of dams, reservoirs, canals, pipe networks, pumps, and treatment plants.

Applications in water supply, irrigation hydropower, environmental protection, and conservation of wildlife.

Note: 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). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 264. Chemistry of Natural and Polluted Waters]

Catalog Number: 1838

Half course (spring term). Hours to be arranged.

Chemical aspects of aqueous environmental systems, including thermodynamic, kinetic, biological, and hydrodynamic processes. Applications to water quality management, pollution control, geochemistry, oceanography.



Note: Expected to be given in 2001–02.

Prerequisite: Physical chemistry of electrolyte solutions (e.g., Chemistry 10 or Earth and Planetary Sciences 136), differential equations (e.g., Applied Mathematics 21b or Mathematics 21b), and some experience with biology and geology.

[*Engineering Sciences 266r. Special Topics in Hydrometeorology]

Catalog Number: 4367

Ana P. Barros

Half course (spring term). Hours to be arranged.

The overall focus of the course is on observing, modeling and forecasting of precipitation. Global and local observation networks and instruments. Statistical and physically-based models and parameterizations. Emphasis also placed on understanding the space-time scaling behavior of precipitation processes, use of remote-sensing data, and data-fusion and data-assimilation techniques.

Note: Expected to be given in 2001–02.

***Engineering Sciences 267r. Special Topics in Environmental Hydrology**

Catalog Number: 9896

Ana P. Barros

Half course (fall term). M., 3:30–5. EXAM GROUP: 8, 9

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.

Engineering Sciences 268. Environmental Chemical Kinetics

Catalog Number: 8711

Scot T. Martin

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Quantifying the time rate of change of chemical species in environmental systems. Common laboratory techniques to measure rate constants. Linear free energy relationships and structural contributions to estimate unknown rate constants. Formulating a coupled chemical system and application of the six principal approximations to obtain analytical solutions. Numerical analysis of complex systems. Concepts are taught by reference to topical problems of current interest in environmental systems. Literature assignments and discussion are part of the course.

Note: 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. Facility in a computational package (e.g., Mathematica).

Engineering Sciences 299r. Special Topics in Engineering Sciences

Catalog Number: 6710

Venkatesh Narayanamurti

Half course (fall term; repeated spring term). Hours to be arranged.



Supervision of experimental or theoretical research on acceptable applied science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and A.B./S.M. candidates only. Students must arrange such work with a member of the Division. This course is ordinarily taken with the approval of the Committee on Higher Degrees in certain cases when a letter grade is required. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110a.

Cross-listed Courses

Earth and Planetary Sciences 202. Introduction to the Dynamics of Atmospheres and Oceans

Additional courses of interest to graduate students in Environmental Science and Engineering might include courses offered at the Harvard School of Public Health.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Engineering Sciences 303,304. Topics in Electronic Materials and Semiconductor Heterostructure Physics**

Catalog Number: 8668,2824

Venkatesh Narayanamurti 5445

***Engineering Sciences 305,306. Manufacturing**

Catalog Number: 6157,6159

Frederick H. Abernathy 1047

***Engineering Sciences 307,308. Control Theory, Robotics, Computer Vision, and Intelligent Machines**

Catalog Number: 7566,2719

Roger W. Brockett 3001

***Engineering Sciences 309,310. Design, Sensing, and Control**

Catalog Number: 5043,7419

Robert D. Howe 2789

***Engineering Sciences 315,316. Computer Networks**

Catalog Number: 2848,2849

H. T. Kung 3155

***Engineering Sciences 317,318. Systems and Control**

Catalog Number: 5089,1030

Yu-Chi Ho 1057 (on leave fall term)



***Engineering Sciences 319,320. VLSI Signal Processing**

Catalog Number: 3557,2722

Woodward Yang 2790 ()

***Engineering Sciences 321,322. Shannon Theory, Digital Communications, and Reliable Transmission of Information**

Catalog Number: 9317,2330

Aleksandar Kavcic 1261

***Engineering Sciences 335,336. Mechanics of Engineering Materials and Small Devices**

Catalog Number: 8173,2399

Joost J. Vlassak 3184

***Engineering Sciences 337,338. Solid Mechanics, Theory of Fracture and Faulting**

Catalog Number: 4316,3948

James R. Rice 7270

***Engineering Sciences 339,340. Fluid Mechanics**

Catalog Number: 1744,7810

Frederick H. Abernathy 1047

***Engineering Sciences 341,342. Special Topics in Fluid Dynamics**

Catalog Number: 2231,2237

Howard A. Stone 2073 (on leave spring term)

***Engineering Sciences 343,344. Deformation and Fracture of Materials**

Catalog Number: 3907,2803

John W. Hutchinson 1573 (on leave fall term)

***Engineering Sciences 347,348. Biological Systems Analysis and Control**

Catalog Number: 6761,3310

Garrett B. Stanley 2797

***Engineering Sciences 349,350. Special Topics in Dynamical Systems and Applications**

Catalog Number: 6691,2087

Igor Mezic 3139

***Engineering Sciences 355,356. Speech and Audio Processing**

Catalog Number: 4605,7048

Michael S. Brandstein 2794

***Engineering Sciences 357,358. Atmosphere-Biosphere Interactions**

Catalog Number: 7661,8060

Steven C. Wofsy 4396



***Engineering Sciences 359,360. Stratospheric Chemistry and Transport**

Catalog Number: 8410,6856

Steven C. Wofsy 4396

***Engineering Sciences 361,362. Atmospheric Chemistry**

Catalog Number: 7238,7514

Daniel J. Jacob 1781

***Engineering Sciences 363,364. Dynamic Meteorology**

Catalog Number: 3756,3757

Brian F. Farrell 7628

***Engineering Sciences 369,370. Urban and Regional Systems Analysis**

Catalog Number: 8775,8768

Peter P. Rogers 2804

***Engineering Sciences 375,376. Environmental Biology**

Catalog Number: 3985,2863

Ralph Mitchell 1587

***Engineering Sciences 381,382. Physical Hydrology and Hydrometeorology**

Catalog Number: 2968,4821

Ana P. Barros 2515

***Engineering Sciences 389. Environmental Chemistry**

Catalog Number: 6660

Scot T. Martin 3365

***Engineering Sciences 390. Environmental Chemistry**

Catalog Number: 1639

Scot T. Martin 3365

***Engineering Sciences 391,392. Environmental Engineering**

Catalog Number: 3979,2860

Joseph J. Harrington 2427

English and American Literature and Language



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of English and American Literature and Language

Lawrence Buell, Harvard College Professor and the John P. Marquand Professor of English
(*Chair*)

Richard Charles Adams, Assistant Professor of English and American Literature and Language
and of History and Literature

C. David Benson, Visiting Professor of English and American Literature and Language

Sacvan Bercovitch, Powell M. Cabot Professor of American Literature (*on leave fall term*)

Suzanne Berne, Lecturer on English and American Literature and Language

Robert Brustein, Professor of English

Leo Damrosch, Harvard College Professor and the Ernest Bernbaum Professor of Literature

Daniel G. Donoghue, Professor of English and American Literature and Language

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Lynn Mary Festa, Assistant Professor of English and American Literature and Language

Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature

Forrest Gander, Briggs-Copeland Lecturer on English and American Literature and Language

Marjorie Garber, William R. Kenan, Jr. Professor of English

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities

Jorie Graham, Boylston Professor of Rhetoric and Oratory (*on leave spring term*)

Erik Irving Gray, Assistant Professor of English and American Literature and Language

Stephen J. Greenblatt, Cogan University Professor

Joseph C. Harris, Professor of English and Folklore (*on leave spring term*)

Seamus Heaney, Ralph Waldo Emerson Poet in Residence

Yunte Huang, Assistant Professor of English and American Literature and Language (*on leave
spring term*)

Oren Jeremy Izenberg, Assistant Professor of English and American Literature and Language

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave fall
term*)

Walter Kaiser, Francis Lee Higginson Professor of English Literature and Professor of
Comparative Literature and Director of the Villa I Tatti

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of
English

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*) (*on leave spring term*)

Douglas Mao, Assistant Professor of English and American Literature and Language

Jesse E. Matz, John L. Loeb Associate Professor of the Humanities (*on leave 2001-2002*)

Kyoko Mori, Briggs-Copeland Lecturer on English and American Literature and Language

Elisa New, Professor of English and American Literature and Language

John Parker, Assistant Professor of English and American Literature and Language

John M. Picker, Instructor [convertible] in English and American Literature and Language

Leah Price, Assistant Professor of English and American Literature and Language

Ann Wierda Rowland, Assistant Professor of English and American Literature and Language



Neil Leon Rudenstine, Professor of English and American Literature and Language
 Peter Sacks, Professor of English and American Literature and Language (*on leave spring term*)
 Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
 Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave spring term*)
 Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*) (*on leave fall term*)
 Michael Shinagel, Senior Lecturer on English and Dean of Continuing Education and University Extension School
 Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of Afro-American Studies (*Director of Undergraduate Studies*)
 John Stauffer, Associate Professor of History and Literature and of English and American Literature and Language (*on leave fall term*)
 Roger E. Stoddard, Senior Lecturer on English
 Helen Vendler, Arthur Kingsley Porter University Professor (*on leave spring term*)
 Nicholas Watson, Professor of English and American Literature and Language (*on leave spring term*)

The normal introduction to courses in English is English 10a and 10b. These are required for concentrators.

I. Creative Writing

Primarily for Undergraduates

Without approval of the department no student may take more than one full course in Creative Writing in any one year. A Creative Writing course may be repeated for credit provided the student has the permission of the instructor and the Director of Undergraduate Studies of the Department.

***English Cap. Advanced Poetry Workshop**

Catalog Number: 6523 Enrollment: Limited to 15.

Jorie Graham

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Open by application to undergraduates and graduates alike. Please submit a portfolio including a letter of interest, ten poems, and a list of classes (taken at Harvard or elsewhere) that seem to have bearing on your enterprise. Class will last 3 hours and discussions will include the study of poetic practice in conjunction with the discussion of student work.

***English Cpr. Poetry Writing I**

Catalog Number: 3053 Enrollment: Limited to 15.

Forrest Gander

Half course (fall term; repeated spring term). Fall: Tu., 2–4; Spring: W., 2–4. EXAM GROUP: Fall: 16, 17; Spring: 7, 8

A concentrated workshop in poetry writing for those who wish to improve as poets while broadening their knowledge of contemporary American poetry.

Note: Admission based on previously submitted samples of writing.



***English Cpw. Poetry Workshop**

Catalog Number: 4606 Enrollment: Limited to 15. Limited to 15.

Jorie Graham teaches Thursday section and Peter Sacks teaches Wednesday section

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8, 15, 16, 17

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.

Forrest Gander

Half course (fall term; repeated spring term). Fall: W., 2–4; Spring: Th., 2–4. EXAM GROUP:

Fall: 7, 8; Spring: 16, 17

See *English Cpr above.

***English Csr. Fiction Writing I**

Catalog Number: 2601 Enrollment: Limited to 15.

Suzanne Berne

Half course (fall term; repeated spring term). Fall: Tu., 12–2; Spring: Tu., 12–2; Th., 12–2.

EXAM GROUP: 14, 15

An introduction to the techniques and forms of fiction. Classroom discussion of student manuscripts.

Note: Admission based on previously submitted samples of writing.

***English Ctr. Advanced Fiction Writing**

Catalog Number: 7175

Brad Watson

Half course (fall term; repeated spring term). Tu., 2–4.

Discussion of students' work in a workshop format.

Note: Admission based on previously submitted samples of writing. Generally for students who have taken fiction workshops before.

***English Cvr. Fiction Writing**

Catalog Number: 1223

Jamaica Kincaid

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A seminar/workshop. Readings include Bruno Schultz, Jean Toomer, Robert Walser, and Rimbaud's *Illuminations*, among others.

Note: Submissions from experienced fiction writers are welcome.

***English Cwr. Fiction Writing II**

Catalog Number: 7765 Enrollment: Limited to 15.

Suzanne Berne

Half course (fall term; repeated spring term). Th., 12–2. EXAM GROUP: 14, 15

An advanced workshop for students who have had experience writing fiction. Student work will



be discussed in class in a workshop format.

Note: Admission based on previously submitted samples of writing.

***English Cyr. Nonfiction Writing**

Catalog Number: 8545 Enrollment: Limited to 15.

Kyoko Mori

Half course (fall term; repeated spring term). M., 4–6. EXAM GROUP: 9

These workshops will provide a professional atmosphere in which apprentice writers may study their craft, by practicing it themselves, by critiquing the works-in-progress of their peers, and by studying the work of established writers in the genre. Class participants should expect to spend substantial out-of-class time on each of these pursuits. The workshop period itself takes the form of a round-table discussion, primarily of student writing, but also of the assigned readings and craft topics. By the end of our studies, workshop participants should have grasped the terms and techniques associated with various nonfictional fields (memoir, nature writing, and so on), and should be confident reading their own work and the work of others critically and with an eye to revision.

Note: Freshmen admitted only with evidence of unusual qualification. All applicants should submit a brief sample of their writing during the first week of the term.

***English Czir. Advanced Nonfiction Writing**

Catalog Number: 5347 Enrollment: Limited to 15.

Kyoko Mori

Half course (fall term; repeated spring term). M., 1–3. EXAM GROUP: 6, 7

See *English Cyr.

II. Literature

Primarily for Undergraduates

English 10a. Major British Writers I

Catalog Number: 8327

Stephen J. Greenblatt

Half course (fall term). Tu., Th., at 11 and an additional hour to be arranged. EXAM GROUP: 13

An introduction to the study of British literature from the Middle Ages through the 18th century. Emphasis on lyric and narrative poetry; four plays are also read.

Note: Two lectures and one section meeting per week. Required of English concentrators. Open to freshmen.

English 10b. Major British Writers II

Catalog Number: 0550

Leo Damrosch

Half course (spring term). Tu., Th., at 11 and an additional hour to be arranged. EXAM GROUP: 13

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.

[English 13. The English Bible]

Catalog Number: 6532

Robert 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 2001–02.

English 17. American Literature to 1860

Catalog Number: 3883

Sacvan Bercovitch

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

An introduction to the study of American literature, 1620-1860, from Anne Bradstreet and Benjamin Franklin to Frederick Douglass and Walt Whitman. Readings include the canonical texts of the American literary renaissance by Emerson, Whitman, Thoreau, Hawthorne, and Melville, as well as major writings “mainstream” and “marginal” from a variety of genres, including Native American myths, captivity and slave narratives, sermons, autobiographies, and short stories.

English 20. The English Novel

Catalog Number: 7142

Jesse E. Matz

Half course (fall term). M., W., at 12. EXAM GROUP: 5

A study of the English novel from its birth to its prime, with readings in one history of the “rise” of the novel and various accounts of its characteristic forms and concerns. Authors will include Defoe, Fielding, Austen, Brontë, Dickens, Hardy, Forster, and Woolf.

[English 34. Elements of Rhetoric]

Catalog Number: 3820

James Engell

Half course (spring term). Hours to be arranged.

Elements of rhetoric and style; present applications of classical rhetoric (Aristotle, Quintilian, Cicero); Golden Age of Anglo-American rhetoric and prose argument (Hugh Blair, J.Q. Adams, and others) with examples from writers (Addison, Jefferson, Webster, Lincoln, and others); 20th-century rhetoric with an emphasis on public argument and political oratory (Churchill, Kennedy, King, and others); this is a practical course to improve writing and speaking skills while also drawing on significant rhetorical theories and practice.

Note: Expected to be given in 2001–02.

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 90aw. Asian-American Poetics**

Catalog Number: 0523

Yunte Huang

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This course explores the intricate relationships between form and content in given historical contexts with the belief that what is often regarded lightly or even negatively as “form” actually embodies the “content” and carries the historical weight of Asian-American writing. Readings include both realist and surrealist fiction, humorous essays, travel narratives, “fake” translations, and experimental poetry.

***English 90cc. The Consumption of Culture**

Catalog Number: 1202

Lynn Mary Festa

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An investigation of the relation between the rise of consumer culture and the rise of the novel. Topics include: the aesthetic and commercial value given to pleasure, representations of leisure activities (shopping, fairs, masquerade); the emergence of a public interested in the consumption of art. Texts by Behn, Pope, Swift, Fielding, Smollett, Burney, as well as selected historical and theoretical readings.

***English 90cf. Caribbean Fictions**

Catalog Number: 8964

Sharmila Sen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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.

***English 90cl. Comic Literature in the Middle Ages**

Catalog Number: 8321

Daniel G. Donoghue

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An introduction to various kinds of literature broadly construed as comic, including drama, fabliaux, Latin lyrics, Chaucer, Middle Scots poetry and other genres up to Rabelais and Shakespeare. Non-English works will be read in a facing-page translation. With the help of Huizinga, Bakhtin, and later critics, we will develop an understanding of what constitutes humor from this period, as well as the serious “institutions” that invite a comic reflex.

***English 90e. Chaucer’s *Troilus and Criseyde* and Other Early Poems**

Catalog Number: 8098

C. David Benson

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

We shall read the works of Chaucer excluding the *Canterbury Tales*. These include Chaucer’s



first masterpiece and the greatest poem of romantic love in English, *Troilus and Criseyde*, and his early comic and experimental dream poems, including the *House of Fame* and *Parliament of Foules*. All reading is in Middle English, but no previous knowledge of it is required.

***English 90fd. Fictions of Development**

Catalog Number: 5990

Douglas Mao

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Beginning in the 18th century with Goethe, but focusing thereafter on English-language texts, this seminar will consider how writers have represented the processes by which subjectivity is formed and the ways in which experience might be manipulated to produce better, or worse, human beings. The bildungsroman as refashioned by novelists like Dickens, Wharton, Joyce, and Lawrence will absorb a good deal of our attention, but we will also take up poetic texts such as Wordsworth's *Prelude*, and a variety of readings in psychology, architecture, ethnography, and educational theory.

***English 90fg. Shakespearean Genres**

Catalog Number: 6690

John Parker

Half course (spring term). M., 1–3.

We'll start with his sonnets, then let the array of issues we uncover there—problems of editorial reconstruction, literary form, gender and sexuality, social station, identity in the broadest sense, historical topicality—lead us through a selection of the plays, taken from every point in his career and from each major genre in which he worked: comedy (*A Midsummer Night's Dream*, *Twelfth Night*, *Much Ado about Nothing*), tragedy (*Romeo and Juliet*, *Othello*, *Hamlet*, *Antony and Cleopatra*), history (*Richard II*, *Henry IV*, *Henry V*) and “romance” (*The Winter's Tale*, *The Tempest*, *Cymbeline*).

***English 90ha. Auden's Generation**

Catalog Number: 8483

Douglas Mao

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

There is no quintessential poet of the 20th century, but what would we learn by imagining W.H. Auden in this role? In this course, we will undertake intensive study of a poet rendered both distinctive and emblematic by his effort to make a place for poetry in a violent world—a world not to be excused by poetic rituals or myths. We will also devote some time to poets who influenced Auden, such as Yeats and Eliot, and to Auden's impact on the writers of his own generation and after.

***English 90hs. Satire: Augustan and Modern**

Catalog Number: 8795

Michael Shinagel

Half course (spring term). M., 3–5.

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 90in. Literature, Science, and Technology in the 19th Century**

Catalog Number: 4923

John M. Picker

Half course (fall term). W., 1–3.

From the unstoppable force of Frankenstein’s monster to the “unsinkable” Titanic, the literary imagination over the 19th century found in science and technology not only new sources of inspiration but also new reasons for dread. We examine the ways science challenged literature and the notion of artistic truth at the same time that it offered new directions for artistic exploration. Topics: technology and/of the body, Darwinism and the Victorian crisis of faith, the interrelation of science and imperialism, the cultural impact of new communications technologies, and the emergence of science fiction as a literary genre. Authors: Mary Shelley, Dickens, Darwin, Stevenson, Hardy, Stoker, and Wells.

***English 90it. The Poet in the Novel**

Catalog Number: 2707

Oren Jeremy Izenberg

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

The most private, “difficult” and unpopular of the arts makes occasional but important appearances in the most public and popular, bringing with it questions about the social function of the imagination, kinds of literature and kinds of knowledge, the relation between high and mass culture. This course studies 20th-century novels (and films) in which poets and poetry appear as central characters and concerns: James’s *The Aspern Papers*, Joyce’s *Portrait of the Artist as a Young Man*, Nabokov’s *Pale Fire*, Bellow’s *Humboldt’s Gift*, Cocteau’s *Orphée*, Hal Hartley’s *Henry Fool* and others.

***English 90ka. The Brontës**

Catalog Number: 1097

Elaine Scarry

Half course (fall term). Tu., 2–4.

Writings by Emily, Anne, and Charlotte Brontë, as well as the later novels and films their work has inspired.

***English 90lb. Letters of Business and the Business of Letters: The American Literary Enterprise**

Catalog Number: 8890

Richard Charles Adams

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

The literary men and women of American business, from Bartleby to Babbitt, Cotton Mather and Franklin to Dreiser. We will investigate pronouncements like T.S. Eliot’s that Americans, “like to be told that they are a race of commercial buccaneers,” as well as doubts such as Teddy Roosevelt’s, that the national type might be the “glorified huckster or glorified pawnbroker.” Issues to be discussed include the advent of the professional writer and the cultural construction of the entrepreneur. The novels, stories, and criticism of Hawthorne, Fanny Fern, Norris, and Wharton will be supplemented by the works of writers such as Veblen, Bellamy, Clark, and James Truslow Adams.



***English 90li. The Idea of Ireland**

Catalog Number: 3142

Robert Kiely

Half course (spring term). Tu., 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 90lj. The Idea of Italy]

Catalog Number: 3054

Robert Kiely

Half course (spring term). Hours to be arranged.

An examination of 19th- and early-20th-century English and American representations of Italy in fiction, narrative poetry, and nonfictional prose. Authors include Byron, Ruskin, Pater, Browning, George Eliot, Hawthorne, Twain, James, and Forster. Special attention paid to art, religion, and conceptions of Italian character.

Note: Expected to be given in 2001–02.

***English 90lp. Literature and the Philosophy of Mind**

Catalog Number: 7350

Oren Jeremy Izenberg

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Literature and the philosophy of mind share a number of concerns. Both attempt to create artificial representations of “intelligence” and to explore the limits of consciousness. Both are interested in the role that emotions play in reasoning about the world. Both explore the possibility that there might be such things as private or universal languages; both dwell upon the difficulties of knowing and understanding other minds. This course will consider what is to be learned when we consider literary texts (principally lyric poems) in conjunction with some of our best recent philosophical and scientific accounts of how the mind is made.

***English 90ne. Rhetoric of Belief**

Catalog Number: 4681

Robert Kiely

Half course (fall term). W., 2–4.

An examination of the literature of religious, political, or ethical commitment. Readings from Luther, Thoreau, Lincoln, Harriet Jacobs, Gandhi, Martin Luther King, Jr., Hannah Arendt, Primo Levi, Dorothy Day, and Thomas Merton.

***English 90rr. The Poetry of Wallace Stevens**

Catalog Number: 8479

Helen Vendler

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

A study of the major poems of Wallace Stevens. Topics: the conceptual poem; the sequence; the American poem; the philosophic poem; “skepticism and animal faith”; poetry and the social order; minimalism and maximalism.



[*English 90rs. Yeats]

Catalog Number: 5853

Peter Sacks

Half course (fall term). Hours to be arranged.

Study of the poetry of Yeats.

Note: Expected to be given in 2001–02.

[*English 90rt. Sylvia Plath and Anne Sexton]

Catalog Number: 6987

Barbara E. Johnson

Half course (spring term). Hours to be arranged.

The poetry of Plath and Sexton will be read and discussed along with letters, journals, and biographies. Topics to be discussed: What are the relations between an author's life and an author's poetry? How does biography affect criticism? Do we read the work of these poets backwards through their suicides? How do they represent the problems of being a woman, a poet, a daughter, a mother, a wife, and a "case"? How do they think about, and practice, poetic invention? How do they combine pain and wit, and rewrite existing traditions of poetic morbidity, madness, and mania?

Note: Expected to be given in 2001–02.

***English 90sf. Southern Folklore and Southern Literature**

Catalog Number: 7497

Joseph C. Harris

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Chiefly an introduction to the folk literature of the South—folk tales, ballads, and similar oral and popular genres—and to its cultural contexts. An unsystematic treatment of literary works that show interesting relations to folklore backgrounds. Special emphasis on Zora Neale Hurston, folklorist and writer.

***English 90si. Subjectivity and Identity**

Catalog Number: 5711

Erik Irving Gray

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course will concentrate on 19th-century English explorations of the sense of self, especially among the Romantics (Wordsworth, Byron, Keats) and their successors (Browning, Pater, Wilde). We will also cast a glance backwards (at classical, Renaissance, and Enlightenment models of identity) and conclude with an examination of Modernist fragmentation.

***English 90sl. The Romance of Scotland**

Catalog Number: 8963

Ann Wierda Rowland

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Scottish literature and the place of Scotland in the British literary imagination of the 18th and 19th centuries. Attention to the myth of the Highlands, the romance of the Jacobite rebellion, the Ossian controversy, and the figure of the bard as well as to the larger question of what role literature has in the production of national identity. Readings in poetry, travel writing, national



tales, historical novels, and philosophical prose by writers such as Smith, Hume, Smollett, Johnson, Burns, Scott, and Hogg.

***English 90ss. Sonnet Sequences**

Catalog Number: 6590

Erik Irving Gray

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The amatory sonnet-sequence in England had a brief and brilliant career in the 1590s (Sidney, Spenser, Shakespeare, and others), and then was revived in the mid-19th century (Barrett Browning, Christina Rossetti, Meredith). We will study both groups, together with their sonnets along the way, and explore the relations between them.

***English 90tv. Time and Narrative**

Catalog Number: 0717

Jesse E. Matz

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Studies fiction that experiments with the representation of time, primarily works by Sterne, Proust, Woolf, Faulkner, and Rushdie, with attention to theoretical background in a range of theorists and philosophers.

***English 90tw. Transatlantic Literature**

Catalog Number: 3077

John M. Picker

Half course (fall term). Th., 1–3.

This course considers concurrent trends and developments in American and British literary genres across the long 19th century. The focus will be on Transatlantic Hauntings. We will consider the development of the gothic phenomenon in texts that pose lingering questions about objectivity and the nature of perception, psychology, gender, and cross-cultural influence. Readings will include fiction by Washington Irving, Edgar Allan Poe, Charles Dickens, Nathaniel Hawthorne, George Eliot, Henry James, and others, as well as poetry by Poe, Alfred Tennyson, and Robert Browning.

***English 90tx. Literatures of Travel in the 18th Century**

Catalog Number: 5301

Lynn Mary Festa

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

18th-century travel writings, from fictional adventures and scientific voyages to philosophical utopias and fantastical “true histories.” Topics include: empire and domesticity; tourism and national identity; narrative continuity and the picaresque; natural history and scientific imperialism. Writings by Behn, Defoe, Swift, Boswell, Smollett, Sterne, Cook’s *Voyages*, and Raynal’s *History of the Two Indies*.

[*English 90uj. Jewish Writers of the European and American Diaspora]

Catalog Number: 5242

Sacvan Bercovitch

Half course (spring term). Hours to be arranged.



This course centers on the meaning of Jewishness through a particular literary form: stories by Jews. The story is a major mode of community-formation, and a major theme of the Jewish Story is Diaspora, grounded in a long and varied history. This will be our focus (with a backward glance towards scriptural tradition) in exploring Jewish writers in Europe and America from Sholem Aleikhem and Kafka through Bellow and Ozick, comparing and contrasting their relation to a persisting but shifting sense of identity both as modern writers and representatives of a Diaspora people.

Note: Expected to be given in 2001–02.

***English 90uv. Gender and Writing in Victorian Culture**

Catalog Number: 8725

Leah Price

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Competing models of textual work, from *The Prelude* to *Dracula*. Readings include autobiographies, biographies, novels, essays, reviews, ghost stories, and obituaries, by Lockhart, Browning, Martineau, Dickens, Mayhew, Gaskell, Ruskin, Trollope, Oliphant, Gissing, Wotton, and others. Issues include: gender, intellectual property, professionalism, anonymity, clerical work, and new writing technologies.

[*English 90vl (formerly *English 276x). African-American Literary Tradition]

Catalog Number: 3536

Henry Louis Gates, Jr.

Half course (spring term). Hours to be arranged.

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 Phyllis Wheatley, Frederick Douglass, Harriet Jacobs, Booker T. Washington, Ralph Ellison, Toni Morrison, Alice Walker, Gloria Naylor, Amiri Baraka, Gwendolyn Brooks, and others.

Note: Expected to be given in 2001–02.

***English 90wb. William Blake**

Catalog Number: 1287

Leo Damrosch

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An intensive study of the works of William Blake, both poetic and pictorial, with attention to significant predecessors (the Bible, Boehme, Milton) and to modern critical and theoretical modes of interpretation.

Tutorials, for Undergraduates Only

***English 91r. Supervised Reading and Research**

Catalog Number: 1464

Werner Sollors 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. Tutorial — Sophomore Year**

Catalog Number: 0280

Werner Sollors and members of the Department

Half course (fall term; repeated spring term).

Introduction to methods of literary analysis. Selected texts in English and American literature studied along with readings in theory and criticism. Topics to include the nature and purpose of literary study, and critical approaches such as formalism, structuralism, deconstruction, psychoanalytic criticism, Marxism, and feminism. Required of concentrators in the sophomore year.

***English 98r. Tutorial — Junior Year**

Catalog Number: 3831

Werner Sollors and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision in the study of English and American literature.

Note: Open to honors concentrators.

Prerequisite: Grade of B or better in English 10, an overall concentration average of B or better, and the recommendation of the sophomore tutor.

***English 99r. Tutorial—Senior Year**

Catalog Number: 3901

Werner Sollors and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of an independent scholarly or critical subject.

Note: Two semesters required of honors seniors. To enroll, students must submit for approval a Thesis Proposal form, available at the Undergraduate Office, 12 Quincy Street. A student who does not complete a thesis but wishes to receive credit for one term of English 99r must submit a paper or other substantial work before the end of that term's reading period.

Prerequisite: Satisfactory completion of one semester of English 98r, completion of an undergraduate seminar (90-level) taken junior year, and Honors Committee approval of proposed thesis topic.

For Undergraduates and Graduates

English 90a (formerly English 182). Jewish Writers in America

Catalog Number: 1257

Elisa New

Half course (fall term). M., 3–5. EXAM GROUP: 3

This lecture course treats American Jewish writing from Abraham Cahan through Rebecca Goldstein and includes study of major accomplishments in fiction, poetry, film, comedy, and criticism. Figures treated include: Lazarus, Cahan, Yeziarska, (Henry) Roth, Gold, Trilling, Shapiro, Schwartz, Bellow, Malamud, (Philip) Roth, Bruce, Bloom, Grossman, Ginsberg, Rich, Paley, Ozick and Epstein.



English 101. The History and Structure of the English Language

Catalog Number: 1987

Daniel G. Donoghue

Half course (spring term). Tu., Th., at 10.

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 102d. Anglo-Saxon Language and Culture: Literature from the Time of King Alfred

Catalog Number: 2761

Daniel G. Donoghue

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

In 9th-century England King Alfred instituted an unprecedented program of writing in Old English, in effect creating a literary tradition where none existed before. This course will introduce students to Alfred's life and times, along with readings from the *Anglo-Saxon Chronicle*, Bede's *History of the English People*, riddles, *The Seafarer*, and other Old English lyrics.

English 103b. Beowulf, Seamus Heaney, and Translation

Catalog Number: 6608

Daniel G. Donoghue

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Seamus Heaney's recent translation of *Beowulf* has provoked a renewed interest in the poem among a wider audience and, among medievalists, in his principles of translation. Students will undertake their own translation of parts of *Beowulf*, which will form a basis of comparison with Heaney's as well as other translations. We will also consider Heaney's *Beowulf* in the context of his other poems. A series of critical essays on Heaney and on *Beowulf* will address topics concerning the poem and translations.

Prerequisite: A prior semester of Old English or its equivalent is required.

English 115b. Chaucer: *The Canterbury Tales*

Catalog Number: 2945

C. David Benson

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A reading of *The Canterbury Tales* by Chaucer, with some attention to the different kinds of critical approaches that have been taken to them, and some consideration of relevant contemporary European and English writing.

English 116. Women and Medieval Literature

Catalog Number: 3625

C. David Benson

Half course (spring term). Tu., Th., at 3.

This course will explore women in medieval literature, whether as writers, readers, or characters.



We shall look at works that are pro- and antifeminist, and especially at the range of more complex engagements that women had with medieval secular and religious culture. We shall start with late classical views of women and then read such works as Eloise's letters, Marie de France's plays, Christine de Pisan's *City of Ladies*, some of Chaucer's tales, Julian of Norwich's *Revelations*, Margery Kempe's *Book*, and others. Readings are in translation and accessible Middle English (no previous knowledge required).

English 124d. Shakespearean Tragedy

Catalog Number: 7041

Lawrence Buell

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Intensive reading of the full range of Shakespeare's tragedies from early experiments through masterworks like *Hamlet*, *Lear*, *Othello*, and beyond, with some attention also to their classical and medieval prototypes and to their modern reception/imitation as well as to their unique achievements as expressions of their moment. We shall also consider such broad and critical issues as "What is tragedy?", "What differentiates texts written for performance?", and "Why has Shakespeare's work, particularly the tragedies, been so influential?".

English 125b. Renaissance Drama: Literature, Economics, and Religion

Catalog Number: 9652

John Parker

Half course (spring term). M., W., at 11. EXAM GROUP: 4

We'll read primarily plays by Shakespeare and two contemporaries, Jonson and Marlowe, that focus on the relationship of religious conviction to financial settlements of all sorts: the final payback of a just God's revenge, the moral status of debt, the economic contract regulating guilt, punishment and forgiveness. Readings to include *Everyman*, *The Jew of Malta*, *Volpone*, *Bartholemew Fair*, *The Devil is an Ass*, *The Merchant of Venice*, *King Lear*, *The Comedy of Errors*, *Measure for Measure*. Supplemental readings from the New Testament, Nietzsche, and Marx.

[English 130. 17th-Century Poetry and Prose]

Catalog Number: 4789

Barbara K. Lewalski

Half course (fall 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 2001–02.

English 131. Milton

Catalog Number: 8005

Barbara K. Lewalski

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A comprehensive study of Milton's works and their milieu. Included are his lyric poems and masque, his polemic tracts on marriage and divorce, a free press, and republican government written during the Puritan Revolution, his epics, and the tragedy *Samson Agonistes*. *Paradise Lost* will receive extended treatment.



English 140a (formerly *English 90aa). Restoration and Augustan Age Literature

Catalog Number: 8554

Leo Damrosch

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Writers from 1660 to 1740, seeking to reinvent “literature” in a post-Renaissance age. Emphasis on Restoration drama and libertine verse; the poetry of Dryden and Pope; the satires of Swift; philosophy of Locke and Berkeley; the essays of Addison; novels by Behn and DeFoe; and a wide range of non-canonical poems.

English 140b (formerly *English 90gt). The Age of Johnson

Catalog Number: 6901

James Engell

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Authors from 1740-1800 (Johnson, Burke, Boswell, Gray, Blake, Burney, Wollstonecraft, and Goldsmith). The transition from classical aesthetic and social-literary values to romantic ones. Studies a period when conventional literary forms appear less vital and new ones are forming; prose and the novel concerned with ethical questions, politics, social and literary criticism.

English 141 (formerly English 90en). The 18th-Century Novel

Catalog Number: 8683

Leah Price

Half course (spring term). M., W., at 2. EXAM GROUP: 7

Fictions by DeFoe, Richardson, Fielding, Lennox, Sterne, Burney, Radcliffe, and Austen, with occasional readings in criticism and theory from the 18th century through the present. Issues include: genre (What differentiates novels from epics, romances, newspapers, correspondences, biography, pornography?); modernity (What was novel about the novel?); structure (How do narratives this long hold together?); identity; empathy; gender; consumerism; and pleasure.

English 146. Sex and Sensibility in the Enlightenment

Catalog Number: 9957

Lynn Mary Festa

Half course (fall term). M., W., at 11. EXAM GROUP: 4

How 18th-century ideas of moral and physical sensibility shape categories of sex and gender. Topics include theories of sexual difference; the novel and the rise of the conjugal couple; libertine writings and the “invention of pornography.” Readings from Haywood, Richardson, Diderot, Cleland, Sterne, Wollstonecraft, and Austen. Supplementary historical and theoretical readings from Foucault, Elias, Laqueur, and Trumbach.

[English 147n. Women and the Novel to Jane Austen]

Catalog Number: 1659

Lynn Mary Festa

Half course (fall term). Hours to be arranged.

A study of the early novel, focusing on the roles of women—as heroines, readers, and writers—in the formation of the genre. Novels by Behn, Haywood, Burney, Edgeworth and Austen. Additional background readings on the legal, medical, intellectual and moral status of women in



the long 18th century.

Note: Expected to be given in 2001–02.

English 150. English Romantic Poets

Catalog Number: 5274

James Engell

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Readings in Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, and others.

English 151. The 19th-Century Novel

Catalog Number: 8396

Elaine Scarry

Half course (spring term). M., W., at 11. EXAM GROUP: 4

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.

English 154. Victorian Poetry

Catalog Number: 8644

Erik Gray

Half course (fall term). M., W., at 10. EXAM GROUP: 3

This course offers an introduction to Victorian English Poetry (1830-1900), concentrating on Alfred Tennyson and Robert Browning and on their most important generic innovation, the dramatic monologue. In the second half of the course we will survey a range of authors (Barrett Browning, Arnold, C. Rossetti, Hopkins, Hardy) and poetic forms.

English 156. Gender and Nation in 19th-Century British Literature

Catalog Number: 4752

Ann Wierda Rowland

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

How do people identify with and feel attached to something as abstract and unknowable as a nation? How do literary texts participate in representing the nation and shaping national sentiment? In 19th-century Britain, answers to these questions usually involved the figure of a woman, yet the number and variety of female figures are surprising: maternal, infanticidal, all-suffering, insane, domestic, vagrant, middle-class, exotic. They are matched by as many versions of British masculinity. The continual effort to produce and represent the nation seems to involve an ongoing struggle to define and delimit gender. We investigate the complicity of gender and nation in 19th-century British poetry and fiction. Authors include Wordsworth, Byron, Hemans, Brontë, Tennyson, and Eliot.

English 160. 20th-Century British Novel

Catalog Number: 7052

Jesse E. Matz

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15



Legacies of Modernism and Imperialism in the 20th-Century British novel, from Conrad and Woolf to Rushdie and Winterson.

English 162. Modern Drama

Catalog Number: 6039

Robert Brustein

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

The major plays of the three makers of modern drama—Ibsen, Strindberg, and Chekhov— and the way their forms and themes influenced the world.

English 164b. 20th-Century British and Irish Poetry

Catalog Number: 1750

Douglas Mao

Half course (spring term). M., W., at 10. EXAM GROUP: 3

One hundred years ago, the British empire stood at the height of its power; today, Britain itself seems poised to “devolve” into the triad of England, Scotland, and Wales. This trajectory, and the independence movements that continue to shape life in Ireland, will form a background for readings in Yeats, Eliot, Auden, Smith, Kavanagh, Larkin, Heaney, Ni Dhomnaill, Jamie, and other poets. We will not limit ourselves to questions of nation, however; we will also examine these poets’ fascinating and moving responses to intimacy, faith, death, war, perception, maturation, responsibility, and other matters of theme and form.

English 165. Joyce, Modernism, and Aestheticism

Catalog Number: 1827

Philip J. Fisher

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Topics include: modernism; aesthetic experience; the life of art; the city; and the moment.

Centering on Joyce’s *Dubliners*, *Portrait of the Artist*, and *Ulysses* but also novels by Proust, Woolf, Forster, and Kawabata.

Note: Graduate section offered.

English 166. The Novel (and other Narratives) since World War II

Catalog Number: 1874

Robert Kiely

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

A survey of postmodern experiments in several kinds of narrative, including works by Borges, Beckett, Primo Levi, Nabokov, Toni Morrison, Maxine Hong Kingston, García Márquez, Paul Monette, Pynchon, and Leslie Marmon Silko.

English 167p. Postcolonial Narratives

Catalog Number: 2511

Sharmila Sen

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

A survey course introducing some of the key concerns, quarrels, and texts in postcolonial studies. Readings include such authors as Conrad, Achebe, Ngugi, Salih, Oyono, Harris, Dabydeen, Kureishi, Rushdie, and Ghosh.



English 168 (formerly *English 90ai). Anglophone India

Catalog Number: 1896

Sharmila Sen

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Where is India and how can it be contained or conjured on paper, canvas, celluloid, or concrete? While traversing a few centuries and a vast subcontinent, we shall focus on key moments, reading selected travel narratives, plays, novels, letters, political speeches (and considering even films, lithographs, and the built environment). Some of the authors to be read include Dryden, Macaulay, Canning, Kipling, Forster, Desai, Rushdie, Sidhwa, Kureishi, and Lahiri.

[English 170 (formerly *English 90jk). Puritanism in America]

Catalog Number: 8166

Sacvan Bercovitch

Half course (spring term). Hours to be arranged.

Literature and culture of 17th-century New England. A study of the aesthetic, religious, intellectual and historical dimensions of American Puritan writings, with some attention to the “Puritan legacy” and to the national culture.

Note: Expected to be given in 2001–02.

English 171. Major American Poets

Catalog Number: 1423

Elisa New

Half course (fall term). M., W., at 2. EXAM GROUP: 7

Anne Bradstreet and Edward Taylor; Walt Whitman and Emily Dickinson; Hart Crane and Marianne Moore—by attention to these three dynamic pairs we will discuss the ranges and limits of three especially rich moments in American poetic history: the Puritan migration, the American “Renaissance” and postwar Modernism. Other poets to be covered may include Wigglesworth, Piatt, Whittier, Melville, Emerson, Eliot, and Toomer.

English 172. Rise of the American Novel

Catalog Number: 2706

John Stauffer

Half course (spring term). Tu., Th., at 2.

A study of the emergence of the novel as a popular genre in America, from the 18th century through Twain. Authors include Foster, Rowson, Brown, Crèvecoeur, Cooper, Irving, Melville, Stowe, Alcott, and Twain.

[English 175. American Literary Emergence]

Catalog Number: 3894

Lawrence Buell

Half course (fall term). Hours to be arranged.

Intensive study of the formative period of American writing, with special attention to the Transcendentalist movement (Emerson and Thoreau), the rise of American fiction (Hawthorne, Melville, and others), the rise of American poetry (Whitman and Dickinson), and slave narrative (Douglass, Jacobs).

Note: Expected to be given in 2001–02.



English 177t. American Literary Realism and Naturalism

Catalog Number: 7237

Richard Charles Adams

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

The major fiction, criticism and journalism of the movement's champions, as well as their acolytes, will be scrutinized. Local realisms and technologies of perception will be of special interest. Authors include Foster, Howells, James, Wharton, Crane, Frederic, Norris, Harte, Quick, Jewett, and Freeman.

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., F., at 12. EXAM GROUP: 5

A survey of the 20th-century novel, its forms, patterns of ideas, techniques, cultural context, rivalry with film and radio, short story, and fact. Dreiser, *Sister Carrie*; Wharton, *The House of Mirth*; Jack London, *Stories*; Cather, *A Lost Lady*; Anderson, *Winesburg Ohio*; Hemingway, *A Farewell to Arms* and stories; Faulkner, *The Sound and the Fury* and stories; Fitzgerald, *Tender is the Night*; Ellison, *Invisible Man*; Nabokov, *Lolita*; Bellow, *Herzog*; Pynchon, *The Crying of Lot 49*; Delillo, *White Noise*.

Note: Graduate section offered.

[English 179k. American Autobiography]

Catalog Number: 4938

John Stauffer

Half course (spring term). Hours to be arranged.

A study of autobiography in America from the Age of Revolution to the near-present. Explores aesthetic and historical dimensions of the genre; self-fashioning and refashioning in terms of religious, racial, class, and gender issues; and the relationship between individual and national identities. Authors include Benjamin Franklin, John Woolman, Olaudah Equiano, Walt Whitman, Frederick Douglass, Harriet Jacobs, Henry Adams, Jane Addams, Gertrude Stein, Malcolm X, and Zora Neale Hurston.

Note: Expected to be given in 2001–02.

English 184. Fundamentals of Lyric Poetry

Catalog Number: 8147

Peter Sacks

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Basic elements of lyric poetry, both formal and thematic. Questions of lineation, prosody, stanzaic identity, free verse, syntax, matters of place, temporality, self-revision. Representations of poetic vocation, work, desire, history, nature, etc. Readings primarily from *The Norton Anthology of Poetry*.

English 186. Defending Poetry

Catalog Number: 0132

Oren Jeremy Izenberg

Half course (spring term). M., W., at 1. EXAM GROUP: 6



Throughout its history, poetry has been asked to apologize for its existence. We will read Classical, Early Modern and Romantic defenses in conjunction with strong lyric poems of each period; but the central goal of this course will be to consider the terms in which poetry has sought to defend and justify itself in the 20th century.

English 187d. American Literatures in Languages Other than English

Catalog Number: 4323

Marc Shell

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Considers literary traditions from the more than 200 language groups that have written and published in what is now the United States. Special attention both to literary issues involving translation, mixed languages, and polyglot literature and to political problems involving English Only, English Plus, and language wars. Primary non-anglophone American readings include Arabic slave narratives, Chinese short stories, French creole novels, German philosophical treatises, Spanish plays, Thai children's literature, Welsh drama, and Zuni poetry. All readings are in bilingual facing-page format.

Note: Foreign Language credit may be possible by arrangement.

English 189. The Novella

Catalog Number: 4246

John M. Picker

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

In their concentration of focus, their commitment to ambiguity, and the techniques they use to complicate perspective and emphasize selectivity, novellas become miniature testing grounds for many of the governing concerns of fiction of our time. Readings in primarily 19th- and 20th-century British and American texts with some Continental works as well.

English 190. Major Critical Approaches

Catalog Number: 0283

James Engell

Half course (fall term). 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 192n (formerly *English 90am). Language and Culture in American Modernism

Catalog Number: 0412

Yunte Huang

Half course (fall term). M., W., at 10. EXAM GROUP: 3

This course explores the issues of language and culture in modern American literature, suggests reading modernism as a reconceptualization of language, and relates "language" to the concept of culture, as understood in the early decades of the 20th century. Readings include Henry James, Franz Boas, Ezra Pound, Gertrude Stein, T.S. Eliot, William Carlos Williams, Mary Austin, and Zora Neale Hurston.



English 194. Political Theatre and the Structure of Drama

Catalog Number: 0417

Elaine Scarry

Half course (spring term). M., W., at 2.

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 199. Persons and Things

Catalog Number: 6195

Barbara E. Johnson

Half course (spring term). M., W., at 1. EXAM GROUP: 6

A literary, psychoanalytic, legal, and philosophical analysis of the relations between persons and things. Topics include the legal definition of “person,” Marx and Freud on fetishism, structures of personification, reification, and anthropomorphism, poetry and sculpture, object relations, artificial life, and the Pygmalion complex. Texts by Heidegger, Kleist, Hawthorne, Hardy, James, Petry, Baudelaire, Plath, Winnicott, and selected films.

Other courses taught by English department faculty

Comparative Literature 182. Comparative Cultures of Money

[*Comparative Literature 283. Language Wars and Polyglot Literature: Seminar]

[*Comparative Literature 285. Comparative Romantic Theory: Seminar]

***Comparative Literature 299ar (formerly *Comparative Literature 299a). Literary Theory: Proseminar**

***Folklore and Mythology 104. Theory and Methodology of Folklore and Mythology**

[Literature and Arts A-20. Classics in Christian Literature]

[Literature and Arts A-22. Poems, Poets, Poetry]

Literature and Arts A-41. Shakespeare, The Later Plays

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 200b. *Beowulf*]

Catalog Number: 6503

Daniel G. Donoghue

Half course (spring term). Hours to be arranged.

A careful reading of *Beowulf* in Old English. In addition to in-class translation, the course will explore sources, the question of date and authorship, the oral traditional background, poetics, and other topics of current interest.



Note: Expected to be given in 2001–02.

Prerequisite: One semester of Old English or the equivalent.

[*English 204. Elegy in Old English and Old Norse]

Catalog Number: 0629

Joseph C. Harris

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

***English 213. Late Medieval English Literature and Public Culture: Graduate Seminar**

Catalog Number: 8382

C. David Benson

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

We explore works that transcend the familiar opposition of elite-popular, clerical-lay, male-female, and appeal to a general national audience: the many rather than the few. We take Middle English works such as *Piers Plowman*, *Mandeville's Travels*, and the *Book of Margery Kempe* and compare them with other contemporary discourses and practices such as the art in English parish churches and the civic institutions of London.

[*English 228y. Milton and His Contemporaries: Literature and Politics in the Era of Revolution (1629–1674): Seminar]

Catalog Number: 1277

Barbara K. Lewalski

Half course (spring 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 2001–02.

[*English 240. Poetry, Politics, and Prophecy: Graduate Seminar]

Catalog Number: 6188

James Engell

Half course (fall term). Hours to be arranged.

Key texts and authors during the time when English poetry and politics were most closely and publicly linked. Party politics, cultural politics, and the connection of the two. Political satire. Sexual politics and women writers. Religion and the prophetic theme. Includes some prose. Dryden, Pope, Montagu, Swift, Johnson, Burke, Wollstonecraft, Blake, and others.

Note: Expected to be given in 2001–02. Open to qualified undergraduates.

***English 242. Restoration & 18th-Century Writers**

Catalog Number: 9175

James Engell

Half course (fall term). Tu., 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 253. Austen, James and the Novel of Strategy**

Catalog Number: 4625

Philip J. Fisher

Half course (fall 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 258. Dickens and Joyce**

Catalog Number: 8247

Robert Kiely

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

***English 264x. Sensation and Moral Action in Thomas Hardy**

Catalog Number: 2714

Elaine Scarry

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

The novels, stories, and narrative poems of Hardy will be approached through two major subjects: the language of the senses (including readings from science and literature on blindness, deafness, and dislocations of touch) and moral agency (including a set of philosophic essays on “luck” and “action”).

Note: Open to upper-level undergraduates with permission of the instructor.

***English 272b. Major U.S. Authors: Faulkner**

Catalog Number: 2282

Lawrence Buell

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

An intensive reading of major works from the 1920s to the 1950s against the background of pertinent criticism and theory and the “renaissance” of southern literature and culture in Faulkner’s day.

***English 273b. American History / American Fiction**

Catalog Number: 2082

John Stauffer

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

A study of American historical fiction. Readings include historical narratives and fictive reinventions, with some attention to contemporaneous historiography. Emphasis is on fiction and history as rival narrative forms and concepts of national identity. Authors include Hawthorne, Melville, Douglass, Twain, James, Dreiser, Cather, Dos Passos, Faulkner, Doctorow, Morrison.



[*English 273h. Harlem Renaissance]

Catalog Number: 8788

Henry Louis Gates, Jr.

Half course (spring term). Hours to be arranged.

Examines the period of unprecedented African-American literary flowering during the 1920s and 1930s. Special attention will be given to the following: Harlem and other cultural centers; dialect in poetry and prose; the impact of women authors, editors, and critics; and the central positioning of the Harlem Renaissance in the African American literary tradition.

Note: Expected to be given in 2001–02.

***English 275. New England: Graduate Seminar**

Catalog Number: 8241

Elisa New

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course introduces graduate students to classic and current debates by means of the country's most exceptional region, New England. Readings will include texts by Winthrop, Bradford, Mather, Franklin, Hawthorne, Melville, Dickinson, Jewett, Bishop and Lowell as well as critical readings treating such topics as autobiography and authorship, exceptionalism, history and historicism, romance, canon, regionalism, power, and pragmatism.

[*English 281. Contemporary Poetry]

Catalog Number: 8856

Peter Sacks

Half course (spring term). Hours to be arranged.

Studies the work of several English language poets since the Second World War: Moore, Larkin, Bishop, Hecht, Bidart, Heaney, Ashbery, Graham, Merrill, and others.

Note: Expected to be given in 2001–02.

***English 283. Describing the Lyric**

Catalog Number: 1319

Helen Vendler

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Each change in period style presents a problem of description to the critic. We will consider a wide range of poetic styles, from the court styles of Elizabethan poetry through the aleatory styles of such contemporary poets as Ammons, Ashbery, and Graham, inquiring in each case which avenues of description prove productive.

[*English 289. Postmodernism: Fiction and Theories]

Catalog Number: 2667

Robert Kiely

Half course (fall term). Hours to be arranged.

Readings from Beckett and Borges to Pynchon and DeLillo in conjunction with selections from Foucault, Derrida, Lyotard, Jameson and others.

Note: Expected to be given in 2001–02.



[*English 294z. On Beauty]

Catalog Number: 7277

Elaine Scarry

Half course (fall term). Hours to be arranged.

Philosophic and literary accounts of beauty from Greek through modern, including Plato, Aquinas, Dante, Castiglione, Addison, Kant, Keats, Rilke. The central descriptions of beauty; the major arguments against it (e.g., the view that it disables critical judgment, hence is politically suspect); and an examination of four objects taken to be sites of beauty (God, gardens, persons, and poems).

Note: Expected to be given in 2001–02.

***English 295b. New Historicism**

Catalog Number: 2040

Stephen J. Greenblatt

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Seminar examining new historicist methods and the critiques of these methods. Readings will include theorists such as Foucault, de Certeau, and Gallagher, but the central work will involve the creation of an archive of texts and the attempt to use and test the limits of new historicism in relation to this archive.

***English 296. Descriptive and Analytical Bibliography: Seminar**

Catalog Number: 7102

Roger E. Stoddard

Half course (fall term). W., 2:30–4:30. EXAM GROUP: 7, 8, 9

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 296e. The Literary Essay**

Catalog Number: 8976

Marjorie Garber

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The literary essay, in its breadth of reference and occasional form, was the forerunner of much of what is today called “cultural studies.” This seminar will consider major essayists from the 16th to the 21st centuries, with particular attention to strategies of argument, evidence, and style, and to contemporary critical writing. Montaigne, Bacon, Hazlitt, Emerson, Benjamin, Adorno, Eliot, Woolf, Barthes, Sontag, and 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 (on leave spring term) and C. David Benson
Half course (throughout the year). Hours to be arranged.

The Conference focuses upon theses in progress and other research topics of mutual concern. Membership limited to faculty members teaching or conducting research in medieval English



language and literature and to graduate students working in this field.

Note: Enrollment is open to all graduate students but is required of those who have been admitted to candidacy for the Ph.D. and who intend to work on a medieval subject.

***English 302hf. Renaissance: Doctoral Conference**

Catalog Number: 2814

Marjorie Garber 7264, Stephen J. Greenblatt 3436, Barbara K. Lewalski 7450 (on leave spring term), John Parker 3729, and Werner Sollors 7424, John Parker and members of the Department

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. Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the Ph.D. and who intend to work on Renaissance topics.

***English 304hf. The Extended 18th Century: Doctoral Conference**

Catalog Number: 6110

Leo Damrosch 2200, James Engell 8076, Michael Shinagel 7659, and Leah Price

Half course (throughout the year). Hours to be arranged.

Focuses on theses, theses in progress, and research topics of mutual interest. 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 Ph.D. Open to other students working on topics in Restoration and 18th-century literature.

***English 305. Narrative (1800 to the Present): Doctoral Conference**

Catalog Number: 4846

Philip J. Fisher 1470 and Robert Kiely 1621

The Conference focuses on theses in progress and other research topics of mutual concern. 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 Ph.D. and who intend to work in the field.

***English 306hf. 19th- and 20th-Century British Literature: Doctoral Conference**

Catalog Number: 5268

Robert Kiely 1621, Jesse E. Matz 2169 (on leave 2001-2002), and Ann Wierda Rowland 2582

Half course (throughout the year). Hours to be arranged.

***English 308hf. Drama: Doctoral Conference**

Catalog Number: 6909

Marjorie Garber 7264 and Elaine Scarry 2206

Half course (throughout the year). Hours to be arranged.

Focuses on research topics related to dramatic literature, theatre, and performance. Open to all faculty members and graduate students teaching or conducting research in the field.



***English 310hfr (formerly *English 310fhr). American Literature and Culture: Doctoral Conference**

Catalog Number: 6235

Lawrence Buell 2655 and Elisa New 2428

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, Lynn Mary Festa 2331, Oren Jeremy Izenberg 2365, Barbara K.

Lewalski 7450 (on leave spring term), and Sharmila Sen 2509 (on leave spring term)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Note: Open to all graduate students and required of all third-year graduate students.

***English 314hf. 20th-Century Literature and Cultural Theory: Doctoral Conference**

Catalog Number: 1410

Barbara E. Johnson 7626 (on leave fall term) and Sharmila Sen 2509 (on leave spring term)

Half course (throughout the year). Hours to be arranged. EXAM GROUP: 7, 8, 9

This colloquium is open to all graduate students and faculty working in 20th-century literature and cultural theory. Topics include African-American literature, contemporary literature, drama, film and/or performance, modernism, literary and cultural theory, postcolonial studies, and postmodernism. Work in progress, as well as dissertation chapters and potential articles and conference papers, will be encouraged.

***English 397. Directed Study**

Catalog Number: 6588

Members of the Department

***English 398. Direction of Doctoral Dissertations**

Catalog Number: 5968

Richard Charles Adams 1665, C. David Benson 3725 (spring term only), Sacvan Bercovitch 7638 (on leave fall term), Robert Brustein 7042, Lawrence Buell 2655, Leo Damrosch 2200, Daniel G. Donoghue 1469, James Engell 8076, Philip J. Fisher 1470, Marjorie Garber 7264, Henry Louis Gates, Jr. 2899, Stephen J. Greenblatt 3436, Joseph C. Harris 1089 (on leave spring term), Barbara E. Johnson 7626 (on leave fall term), Walter Kaiser 2561, Robert Kiely 1621, Barbara K. Lewalski 7450 (on leave spring term), Elisa New 2428, Peter Sacks 2161 (on leave spring term), Elaine Scarry 2206, Sharmila Sen 2509 (on leave spring term), Marc Shell 3176 (on leave fall term), Michael Shinagel 7659, Werner Sollors 7424, and Helen Vendler 7226 (on leave spring term)

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, Master of Pforzheimer House, Director of the Museum of Comparative Zoology (*Chair, Head Tutor*) (*on leave fall term*)

William C. Clark, Sidney Harman Professor of International Science, Public Policy, and Human Development (*Kennedy School*)

Göran Ekström, Professor of Geology and Geophysics

Richard T. T. Forman, Professor of Advanced Environmental Studies in the Field of Landscape Ecology (*Design School*)

Jerry R. Green, John Leverett Professor in the University, David A. Wells Professor of Political Economy, and Taussig Professor of Economics (*on leave spring term*)

John P. Holdren, Teresa and John Heinz Professor of Environmental Policy (*Kennedy School*)

Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*) (*on leave 2001-2002*)

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Daniel P. Schrag, Professor of Earth and Planetary Sciences (*on leave spring term*)

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Other Faculty Offering Instruction in Environmental Science and Public Policy

Stephen T. Curwood, Visiting Lecturer on Environmental Science and Public Policy

Henry Ehrenreich, Clowes Research Professor of Science (*on leave spring term*)

Paul R. Epstein, Instructor in Medicine (*Medical School*)

Timothy E. Ford, Assistant Professor of Environmental Microbiology (*Public Health*)

James S. Hoyte, Lecturer on Environmental Science and Public Policy



Bill McKibben, Visiting 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 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).

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.

Note: Expected to be given in 2001–02.

[*Environmental Science and Public Policy 90b. Preparing for Natural Disasters]

Catalog Number: 3253

Göran Ekström

Half course (fall term). Hours to be arranged.

Examines the interplay between science, the individual, and society in responding to the threats and effects of earthquakes, floods, hurricanes, and other disasters. Aspects of risk assessment and risk perception, in particular in relation to infrequent and devastating events. The reliance on the well-informed individual to exhibit risk-averse behavior is compared with the role of government laws and regulations. Investigation of the question of who eventually pays for disaster relief and reconstruction; discussion of insurance and alternative solutions.

Note: Expected to be given in 2001–02.

***Environmental Science and Public Policy 90c. Ecology and Land-Use Planning**

Catalog Number: 3792

Richard T. T. Forman (Design School)

Half course (spring term). Tu., 2–5:15, with intensive field study, including a required one-week field study, plus a one-day field study.

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., W., 2:30–4. EXAM GROUP: 7, 8

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). Marine Conservation Biology**

Catalog Number: 6879

Callum M. Roberts



Half course (spring term). Tu., 2–5. First Course Meeting Time: Thursday 2/1 at 2. EXAM GROUP: 16, 17, 18

Conservation biology is the science of protecting biological diversity while allowing for sustainable use by people. The course will explore the subject from a marine perspective and will begin with a detailed look at fishing, revealing the limitations of present management approaches and the need for radical policy reform. The function, design and role of marine protected areas will then be examined, including their potential for improving fishery management. Throughout, the course will contrast approaches to conservation in the sea and on land, in particular looking at the implications of large scale ecological and physical processes for management of marine ecosystems.

***Environmental Science and Public Policy 90f. Global Change and Human Health**

Catalog Number: 4434

Paul R. Epstein (Medical School) and James J. McCarthy

Half course (spring term). W., 2:30–5.

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 (fall term). Hours to be arranged.

Examines alternative energy options such as photovoltaic and wind within the environmental context of conventional fossil and nuclear based sources. Begins with an elementary exposition of needed energy and thermodynamic concepts, which assumes no previous exposure to physics, and a brief historical survey of energy use in relation to economic and social needs. Emphasizes the potential and problems of alternative energy sources through lectures, readings, class presentations, and discussions.

Note: Expected to be given in 2001–02.

***Environmental Science and Public Policy 90i. Population and The Human Condition**

Catalog Number: 9228

John P. Holdren and Daniel P. Schrag

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

How does the human population—its size, growth rate, age composition, and geographic distribution—influence problems of resources, environment, and development and the prospects for solving them? How many people can the world support? Population variables interact with economic and technological ones in generating pressures on resources and environment, and all these variables and their interactions are shaped by social and political as well as economic forces. This seminar explores what is known, supposed, and (diversely) contended about the relation between population and the human condition—past and future—bringing to bear



historical data, scenarios of future possibilities, and a variety of disciplinary and interdisciplinary perspectives.

Environmental Science and Public Policy 90j. Mitigation of Climate Change

Catalog Number: 5757

James J. McCarthy and Bill McKibben

Half course (fall term). W., 1:30–4. EXAM GROUP: 6, 7, 8

While the evidence for anthropogenic influences on Earth's climate has become increasingly clear, plausible strategies to reduce the rate of climate change remain complex and for the most part largely untested. This seminar will examine options for reducing greenhouse gas emissions and enhancing the capacity of natural systems to sequester carbon. It will further examine costs and benefits of mitigation, and place these in the context of alternative strategies such as adaptation to climate change.

***Environmental Science and Public Policy 90k. Environment and National Security**

Catalog Number: 4242

Michael B. McElroy and Stephen T. Curwood

Half course (fall term). Tu., 1:30–4. EXAM GROUP: 15, 16, 17

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.

***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.

For Undergraduates and Graduates

[Environmental Science and Public Policy 101. Topics in Environmental Ethics]

Catalog Number: 1989

Timothy E. Ford (Public Health)

Half course (spring term). Hours to be arranged.

Our environmental circumstances pose problems of value and choice for each of us and challenge us to reconsider the notion of community in an ever-changing ecosystem. This course invites students to reflect upon these problems by confronting the ethical dimensions of historical and contemporary environmental issues. Drawing upon both Western and non-Western traditions in moral reasoning, it elaborates different approaches to environmental ethics and examines the underlying assumptions of the scientific managerial, economic, aesthetic, religious, judicial, and public policy discourse on the environment.

Note: Expected to be given in 2001–02.

European Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on European Studies

Charles S. Maier, Krupp Foundation Professor of European Studies (*Chair*)

Jose Alvarez-Junco, Associate of the Center for European Studies

Seyla Benhabib, Professor of Government (*on leave 2000-01*)

Suzanne Berger, Associate of the Center for European Studies

David Blackbourn, Coolidge Professor of History

Peter J. Burgard, Professor of German (*on leave 2000-01*)

Pepper Dagenhart Culpepper, Assistant Professor of Public Policy (*Kennedy School*)

Grzegorz Ekiert, Professor of Government (*on leave spring term*)

Laura Frader, Associate of the Center for European Studies

Guido G. Goldman, Associate of the Center for European Studies

Peter A. Hall, Harvard College Professor, Frank G. Thomson Professor of Government, and Director of the Minda de Gunzburg Center for European Studies (*on leave 2000-01*)



Patrice Higonnet, Robert Walton Goelet Professor of French History
Stanley Hoffmann, Paul and Catherine Buittenwieser University Professor (*on leave fall term*)
Richard M. Hunt, Senior Lecturer on Social Studies
Torben Iversen, Professor of Government
Richard Locke, Associate of the Center for European Studies
Andrew Moravcsik, Professor of Government
Susan Pedersen, Professor of History and Dean for Undergraduate Education
Paul Pierson, Professor of Government
Louise M. Richardson, Associate Professor of Government (*on leave 2000-01*)
George Ross, Associate of the Center for European Studies
Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology
Tony Smith, Associate in the Center for European Studies
Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
Joseph Weiler, Manley Hudson Professor of Law (*Law School*)

The Standing Committee on European Studies is the formal oversight body for the Minda de Gunzberg Center for European Studies. It is comprised of those permanent faculty members who have their offices in the Center and selected other representatives of FAS and of other universities in the Boston area who remain active in the study and teaching of modern Europe.

For over thirty years, the Center for European Studies has offered an interdisciplinary program designed to enhance the knowledge and understanding of political, social, economic, and cultural developments in modern Europe. Its members' intellectual approaches encompass history, political economy and political theory and diverse approaches to cultural studies. Its geographical purview includes all the regions of Europe as well as the institutional structures within individual countries and the European Union. The Center funds undergraduate thesis travel, dissertation fellowships, and offers several post-doctoral fellowships. Its quarters in Busch Hall provide office space for faculty, visiting scholars, and doctoral students working in close affiliation with resident faculty members. At the same time, the Center supports several study groups, some organized by country, others by topic, that maintain a full schedule of seminars and presentations by visiting scholars and speakers from the world of public affairs. In 1989, CES was chosen by the Federal Republic of Germany to receive significant support for a ten-year program for the study of Germany and Europe, which currently continues under the Center's own funding. It also participates in an interdisciplinary program for the study of modern France and together with representatives from the Law School, the John F. Kennedy School of Government, and the Weatherhead Center for International Affairs, is a constituent partner in the European Union Center at Harvard University. The Center has always sought to cooperate with other Boston area universities, and MIT representatives and students have had an institutional connection from its outset.



Expository Writing

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Subcommittee on Expository Writing

Susan Pedersen, Professor of History and Dean for Undergraduate Education (*Chair*)
Peter Buck, Senior Lecturer on the History of Science
Daniel G. Donoghue, Professor of English and American Literature and Language
Laura G. Fisher, Associate Dean for Academic Planning
Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures
Gordon C. Harvey, Senior Preceptor in Expository Writing and Associate Director of Expository Writing (*ex officio*)
Dudley R. Herschbach, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)
Stephen M. Kosslyn, John Lindsley Professor of Psychology
Susan W. Lewis, Director of the Core Program and Director of the Freshman Seminars, General Education, and House Seminars (*ex officio*)
John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures
Barry C. Mazur, Gerhard Gade University Professor
Elizabeth Studley Nathans, Dean of Freshmen (*ex officio*)
Michael J. Sandel, Harvard College Professor and Professor of Government
Nancy Sommers, Senior Lecturer in Expository Writing and Sosland Director of Expository Writing (*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

Carolyn F. Austin, Preceptor in Expository Writing
Patricia M. Bellanca, Preceptor in Expository Writing
Daniel H. Bosch, Preceptor in Expository Writing
Michael A. Brown, Preceptor in Expository Writing
Christopher P. Bush, Preceptor in Expository Writing
Kathryn A. Chadbourne, Lecturer on Celtic Languages and Literatures (*fall term only*)
Kim Cooper, Preceptor in Expository Writing
Michele D. Cotton, Preceptor in Expository Writing
James P. Cullen, Preceptor in Expository Writing
Jeremy Fantl, Preceptor in Expository Writing
Andrew J. Furer, Lecturer on History and Literature
Mark Gaipa, Preceptor in Expository Writing
Faye S. Halpern, Preceptor in Expository Writing
Gordon C. Harvey, Senior Preceptor in Expository Writing and Associate Director of Expository Writing
Karen Leigh Heath, Preceptor in Expository Writing
Charles W.M. Henebry, Preceptor in Expository Writing



Thomas R. Jehn, Preceptor in Expository Writing
Jeannine Johnson, Preceptor in Expository Writing
Patricia Kain, Senior Preceptor in Expository Writing
Soo La Kim, Preceptor in Expository Writing
Suzanne Therese Lane, Preceptor in Expository Writing
Joann C. Lisberger, Preceptor in Expository Writing
Janet S. McIntosh, Preceptor in Expository Writing
Roblyn R. Meeks, Preceptor in Expository Writing
Katherine J. Milligan, Preceptor in Expository Writing
Judith A. Murciano, Preceptor in Expository Writing
Mohammad Nezam-Mafi, Preceptor in Expository Writing
Emily D. O'Brien, Preceptor in Expository Writing
Lisa Ratmansky, Preceptor in Expository Writing
William C. Rice, Preceptor in Expository Writing
Maxine Rodburg, Senior Preceptor in Expository Writing and Director of the Writing Center
Julia B. Rosenbaum,
Jane A. Rosenzweig, Preceptor in Expository Writing
Laura R. Saltz, Preceptor in Expository Writing
Steve Shoemaker, Preceptor in Expository Writing
Nancy Sommers, Senior Lecturer in Expository Writing and Sosland Director of Expository Writing
Naomi C. Stephen, Preceptor in Expository Writing
Janet H. Sylvester, Preceptor in Expository Writing
Kerry Walk,
Nancy L. Watterson, 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 in Expository Prose

Catalog Number: 0674

*Gordon C. Harvey and staff**Half course (spring term). Hours to be arranged. EXAM GROUP: 15*

For all students, upperclass or freshman, who have completed Expository Writing 20 and who wish to continue working towards clear and elegant writing. Readings and weekly discussions consider theories of prose style and illustrate different styles and aspects of style. In a weekly conference, each student works with a tutor on writing exercises and projects.

Note: Graduate students admitted by permission of the instructor.

Folklore and Mythology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

*Members of the Steering Committee on Degrees in Folklore and Mythology*Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Chair*)

Margaret Alexiou, George Seferis Professor of Modern Greek Studies and Professor of Comparative Literature

Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Head Tutor*)Joseph C. Harris, Professor of English and Folklore (*on leave spring term*)

Michael Herzfeld, Professor of Anthropology

Yunte Huang, Assistant Professor of English and American Literature and Language (*on leave spring term*)Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature (*on leave spring term*)Kimberley C. Patton, Assistant Professor in the Comparative and Historical Study of Religion (*Divinity School*) (*on leave 2001-02*)



Mary M. Steedly, Professor of Anthropology (*on leave fall term*)
Maria Tatar, Harvard College Professor and John L. Loeb Professor of Germanic Languages and Literatures (*on leave 2000-01*)
Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies (*on leave spring term*)
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin and Professor of Comparative Literature

Other Faculty Offering Instruction in Folklore and Mythology

Timothy R. Tangherlini, Visiting Associate Professor of Folklore and Mythology (*University of California, Los Angeles*)

Affiliated Members of the Committee on Degrees in Folklore and Mythology

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*on leave spring term*)
Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations
Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*on leave fall term*)
J. Lorand Matory, Professor of Anthropology and of Afro-American Studies (*on leave spring term*)
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*on leave spring term*)
John E. Murdoch, Professor of the History of Science
Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (*on leave spring term*)
James R. Russell, Mashtots Professor of Armenian Studies
Kay Kaufman Shelemay, G. Gordon Watts Professor of Music (*on leave fall term*)
Lawrence E. Sullivan, Professor of the History of Religions (*Divinity School*)
Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History
Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature
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. Students who wish to drop Folklore and Mythology 99 with credit at midyear must obtain the consent of the Chairman and submit a substantial paper on which a final fall term grade can be based.

Comparative and Methodological

For Undergraduates and Graduates

[Folklore and Mythology 100. An Introduction to Folklore & Mythology]

Catalog Number: 2201

Stephen A. Mitchell

Half course (fall term). Hours to be arranged.

Surveys the major forms of folklore (e.g. myths, legends, ballads, 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.

Note: Expected to be given in 2001–02.

[*Folklore and Mythology 103. Oral Literature]

Catalog Number: 5039 Enrollment: Limited to 12; as part of tutorial program, preference given to concentrators.

Deborah D. Foster

Half course (spring term). Hours to be arranged.

Introduction to oral literature in (some of) its social, historical and cultural contexts. Explores the dimensions of verbal performance by conducting fieldwork and reading transcribed (and sometimes translated) oral texts. Examines issues of orality and literacy, performance, transmission, and interpretation.

Note: Expected to be given in 2001–02. Required of all concentrators.



***Folklore and Mythology 104. Theory and Methodology of Folklore and Mythology**

Catalog Number: 3311 Enrollment: Limited to 12; as part of tutorial program, limited to concentrators.

Joseph C. Harris

Half course (fall term). Th., 2–4:30. EXAM GROUP: 16, 17, 18

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.

***Folklore and Mythology 105. Fieldwork and Ethnography in Folklore**

Catalog Number: 3789 Enrollment: Limited to 12; as part of tutorial program, preference given to concentrators.

Deborah D. Foster

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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 106. Myth, an Introduction]

Catalog Number: 5619

Joseph C. Harris

Half course (fall term). Hours to be arranged.

A sampling of the classical problems of and approaches to myth as sacred story, with emphasis on structuralist methods and comparative mythology. Primary material mainly drawn from the Indo-European language area, especially Northern Europe. Some attention to thematic clusters such as “the goddess” and “the sacrificed son.”

Note: Expected to be given in 2001–02. Readings in English.

Folklore and Mythology 108. Witchcraft

Catalog Number: 0340

Stephen A. Mitchell

Half course (spring term). Tu., Th., at 1.

Examines witchcraft from cross-cultural, historical, and literary points of view. Although witches and witchcraft are considered in their non-Western settings, the course focuses on events in Europe and America, tracing the development of the relatively mild reaction against ‘demonism’ and ‘wise women’ of the early Middle Ages into the ‘witch craze’ of the 16th and 17th centuries. The portrayal of witches in folklore and literature is also considered.

[*Folklore and Mythology 109. Shamanism]

Catalog Number: 6540 Enrollment: Limited to 12.

James R. Russell

Half course (spring term). Hours to be arranged.

The shaman is a type of religious practitioner found in many cultures, who undergoes a calling,



trauma, and initiatory training; during a ritualized drama, in an ecstatic state, he travels to other worlds, to obtain healing or information; and returns. Topics include: definition; the calling and dismemberment; costumes, dances, instruments, and the arts; poetry and the folk-tale; shamanistic hallucinogens; the question of possession and the politics of the field; otherworld geography; case studies of Siberian cultures, Tibet, Australia, Scythia, Iran, ancient Greece; shamanism and homosexuality; and Santeria and Vodoun.

Note: Expected to be given in 2001–02.

Cross-listed Courses

Anthropology 105. Food and Culture

[Anthropology 274. Sovereignty, Ethnicity, and Pluralism]

[Anthropology 276. New Ethnographies in the Anthropology of Social Experience]

[Anthropology 278 (formerly Anthropology 183). The Charisma of Saints, and the Cults of Relics, Amulets, Images, and Shrines]

*Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar

[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages]

[Religion 45. Martyrs, Mystics, and Heretics: Alternative Christianities]

[Religion 1025. Ritual and the Religious Life: A Thematic Introduction to Religion]

[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: 3257 Enrollment: Limited to 12.

Deborah D. Foster

Half course (fall term). Hours to be arranged.

Examines oral narrative performances 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 2001–02.

Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance as a Medium of Cultural and Personal Meaning

Catalog Number: 7982 Enrollment: Limited to 16.

Deborah D. Foster

Half course (fall term). M., 2–5; occasional Friday afternoon dance workshops. EXAM GROUP: 7, 8, 9

This course will examine the ways in which the dancing body is both a site of personal



experience and a sign of cultural meaning. By observing dance performances (live and on film), participating in dance workshops, and reading ethnographic and theoretical texts, we will attempt to come to understand the emergent meaning of dance performances, from the perspective of both dancer and observer.

[Folklore and Mythology 115. The African Oral Tradition]

Catalog Number: 5663

Deborah D. Foster

Half course (fall term). Hours to be arranged.

Introduction to African oral narratives, focusing on the nature of orality as it functions prior to and next to literacy in the African context. 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; looks at the creative and destructive antics of the trickster figure; and explores the oral residue in early African novels.

Note: Expected to be given in 2002–03.

Folklore and Mythology 150. Korean Folklore

Catalog Number: 2148

Timothy R. Tangherlini (University of California, Los Angeles)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Introduction to the varied traditional cultural expressions of Korea. The main emphasis of the course is on Korean rituals (shamanistic and Confucian-influenced), folk narratives (myths, legends, folktales), folk performances (*t'alch'um* and *p'ansori*) and folk music (primarily *p'ungmul*.) Other aspects of folk culture, such as food ways, clothing, material culture, festivals and architecture will also be explored. Whenever possible, the course will include explorations of the similarities between Korean traditions and those found in other East Asian countries as well as traditions of other more disparate cultures. In part, the course aims to identify what makes Korean traditional expressions Korean.

***Folklore and Mythology 191r. Supervised Reading and Research**

Catalog Number: 3255

Stephen A. Mitchell 7056 and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Cross-listed Courses

[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]

[Akkadian 144. Akkadian Divination Texts]

[Akkadian 145. Akkadian Incantations and Rituals]

[Ancient Near East 124. Myth and Mythmaking in the Biblical and Ancient Near Eastern World]

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 114. Early Irish Historical Tales]
[Celtic 138r. The Mabinogi]
[Celtic 150. Celtic Paganism]
Celtic 184. Early Irish Literature
Celtic 225a. Introduction to Middle Welsh
Celtic 225b. Continuing Middle Welsh
Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE
[*German 231. The Cultural Legacy of the Brothers Grimm]
[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 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. Proseminar: Topics in World Music
*Music 190rr. Proseminar: Topics in World Music
[Music 194r (formerly Music 190r). Special Topics: Proseminar]
Music 208r. Ethnomusicology: Seminar
[Religion 1025. Ritual and the Religious Life: A Thematic Introduction to Religion]
Scandinavian 103. Scandinavian Mythology and Folklore
[*Scandinavian 200a. Introduction to Old Norse]
[Scandinavian 200br. Old Norse Literature: Edda and Saga]
[Sumerian 141. Sumerian Myths and Epics]
[Sumerian 145. Sumerian Incantations and Rituals]

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 (*on leave 2000-01*)

Richard T. Gray, Visiting Professor of German (*University of Washington*) (*fall term only*)

Karl S. Guthke, Kuno Francke Professor of German Art and Culture

Beatrice Hanssen, Associate Professor of German



Annette Johansson-Los, Preceptor in Scandinavian

Charles P. Lutcavage, Senior Preceptor in German (*Coordinator of Language Instruction*)

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Head Tutor, Scandinavian*)

Sylvia Rieger, Preceptor in German

Judith Ryan, Harvard College Professor and the Robert K. and Dale J. Weary Professor of German and Comparative Literature (*Head Tutor, German*)

Eckehard Simon, Victor S. Thomas Professor of Germanic Languages and Literatures (*Director of Graduate Studies*)

Maria Tatar, Harvard College Professor and John L. Loeb Professor of Germanic Languages and Literatures (*on leave 2000-01*)

Bernhard Widdig, Visiting Associate Professor of German (*Massachusetts Institute of Technology*) (*spring term only*)

Sabine Wilke, Visiting Professor of German (*University of Washington*) (*fall term only*)

Other Faculty Offering Instruction in the Department of Germanic Languages and Literatures

Joseph C. Harris, Professor of English and Folklore (*on leave spring term*)

Jay H. Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*on leave spring term*)

Peter Nisbet, Senior Lecturer on History of Art and Architecture

Timothy R. Tangherlini, Visiting Associate Professor of Folklore and Mythology (*University of California, Los Angeles*) (*fall term only*)

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

German

Primarily for Undergraduates

The placement test in German is offered during Freshman Week and during Intersession.

German A. Elementary German

Catalog Number: 4294

Charles P. Lutcavage and staff

Full course (indivisible). M. through Th., sections at 9, 10, 11, or 12. EXAM GROUP: 6

A thorough introduction to the fundamentals of German designed for students with little or no knowledge of the language. The focus is on all four skills—speaking, listening, reading, and writing—with the goal of acquiring the fluency necessary for basic communication in a German-speaking country. The second half of the course includes short literary pieces by such authors as Goethe, Kafka, and Brecht.

Note: The first half of this course may not be taken as a half course for credit toward the A.B. degree; there are no exceptions to this rule. The hour exam for this course will be held from 8 to 9 a.m. during the fall and spring terms. Not open to auditors.



***German Bab. Elementary German (Intensive)**

Catalog Number: 8629

Sylvia Rieger and staff

Full course (spring term). M. through F., sections at 9, 10, or 11, plus one hour on M. to be arranged. EXAM GROUP: 2, 11

A complete first-year course in one semester for students with no knowledge of German.

Provides a thorough introduction to the fundamentals of German, 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 readings of 20th-century literature.

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 Ca. Intermediate German: Reading, Speaking, and Aural Comprehension

Catalog Number: 3367

Charles P. Lutcavage and staff

Half course (fall term). M., W., F., sections at 10 or 11. EXAM GROUP: 3

Using an interactive discussion format, this third-semester language course offers systematic vocabulary-building and a grammar review. The focus is on improving comprehension and speaking skills. Materials include short fiction and drama, poetry, contemporary film, interactive lab work, and cultural materials from German websites.

Note: Conducted in German. Not open to auditors.

German Cb. Intermediate German: Reading, Speaking, and Aural Comprehension

Catalog Number: 7174

Charles P. Lutcavage and staff

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Continuation of concentration on conversation tactics and vocabulary-building through class discussions. Materials include literary and non-literary texts, poetry, contemporary film, interactive lab work, and cultural materials from German websites. Structured grammar review.

Note: Conducted in German. Not open to auditors.

Prerequisite: German Ca, German Da, Foreign Cultures 23a, or permission of the instructor.

German Da. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 5779

Charles P. Lutcavage and staff

Half course (fall term). M., W., F., sections at 9 or 10. EXAM GROUP: 2

Conversation and writing activities based on a variety of reading materials (short stories, dramas, poems, current events). Authors include Brecht, Böll, Kafka, and others. Course offers a review of grammar with exercises in vocabulary-building. Skits and videos. Language lab and Internet materials provide cultural information on Germany and Austria.

Note: Especially recommended for those students who wish to improve their ability to speak and write German. Conducted in German. Not open to auditors.



German Db. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 2608

Charles P. Lutcavage and staff

Half course (spring term). M., W., F., sections at 9 or 10. EXAM GROUP: 3

Continuation of German Da. Reading material includes journalistic and political writings, as well as literary works by Dürrenmatt, Kafka, Böll, and others. Additional topics include the Berlin Wall, German unification, and current events. Grammar review, vocabulary-building, skits, and videos are an integral part of the course. Language laboratory exercises feature a German television detective program.

Note: Conducted in German. Not open to auditors.

Prerequisite: German Da or permission of the instructor.

German S. German for Reading Knowledge

Catalog Number: 7177

Charles P. Lutcavage and staff

Half course (spring term). M., W., sections at 4–5:30 or 5–6:30. EXAM GROUP: 9

Development of reading proficiency for students with little or no knowledge of German.

Emphasizes translation of academic German prose into English.

Note: Not open to auditors.

German 50a. Masterpieces of 19th-Century German Literature

Catalog Number: 3213

Sylvia Rieger

Half course (fall term). M., W., (F.), at 9. EXAM GROUP: 2

This course introduces students to fiction, poetry, and drama of the 19th century. We will study representative authors of this epoch within the framework of major historical developments, social contexts, and central literary “movements.” Through close readings of texts in a variety of literary genres by such authors as Büchner, Heine, Droste-Hülshoff, Stifter, Fontane, Nietzsche, and Thomas Mann, the course aims at improving reading competence.

Note: Expected to be omitted in 2001–02. Conducted in German.

Prerequisite: Satisfaction of the language requirement, equivalent preparation, or permission of the instructor.

German 50b. Masterpieces of 20th-Century German Literature

Catalog Number: 5412

Beatrice Hanssen

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Close reading of fiction, drama, poetry, and essays from the main periods and tendencies of the 20th century. Works by Schnitzler, Hofmannsthal, Rilke, Freud, Kafka, Trakl, Kraus, Musil, Bachmann, Celan, Jelinek, and others.

Note: Expected to be omitted in 2001–02. 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 60a. Advanced Reading, Conversation, and Composition

Catalog Number: 1807

Eric Rentschler and staff

Half course (fall term). M., W., F., sections at 10, 11, or 12. EXAM GROUP: 3, 4, 5

This advanced course is designed to improve proficiency in speaking, listening, reading, and writing. Class materials are drawn from literary texts, news magazines, the Internet, and film. Emphasis is on practice through discussions, reaction papers, and oral presentations. Development of critical vocabulary and special attention to writing skills. Advanced grammar review.

Note: Conducted in German. Not open to auditors. Pass/Fail option not available.

Prerequisite: An honor grade in German C, German D, Foreign Cultures 23, or permission of the instructor.

German 65. Wirtschaftsdeutsch

Catalog Number: 2678

Charles P. Lutcavage

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

An advanced language course that focuses on communication and writing skills for a business environment. Attention to specialized vocabulary as well as cultural and political issues (e.g., German unification and the European Union) relevant to conducting business in the German-speaking world. Writing practice includes business correspondence and job applications. Articles from the German-language press together with videos and the Internet provide an up-to-date look at the contemporary economic and business scene in Germany, Austria, and the rest of Europe.

Note: Conducted in German. Not open to auditors. May not be taken Pass/Fail.

Prerequisite: German 60a, equivalent preparation, or permission of the instructor.

***German 91r. Supervised Reading and Research**

Catalog Number: 1059

Judith Ryan and members of the Department.

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Head Tutor is required.

***German 97hf. Tutorial — Sophomore Year**

Catalog Number: 1774

Sylvia Rieger

Half course (throughout the year). Hours to be arranged.

Introduction to German literary and cultural history and to the analysis of poetry, drama, narrative, film, and painting.

Note: Required of all concentrators.

***German 99. Tutorial — Senior Year**

Catalog Number: 3286

Judith Ryan and members of the Department

Full course. Hours to be arranged.



Note: Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Head Tutor is required.

Cross-listed Courses

Yiddish A. Elementary Yiddish

For Undergraduates and Graduates

[German 110. Baroque]

Catalog Number: 8078

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Examines the literature and poetics of the German Baroque as well as the art of the European Baroque. Discussions of poetry, drama, and narrative address not only general questions of historical context and literary form, but also issues specific to the age. Focuses on questions of identity and excess, which are introduced via consideration of European Baroque art. Readings include Fleming, Greiffenberg, Grimmelshausen, Gryphius, Harsdörffer, Hofmannswaldau, Kuhlmann, Logau, Lohenstein, Opitz, Silesius, Zesen. Artists considered include Bernini, Borromini, Caravaggio, Carracci, Rubens, Velázquez.

Note: Expected to be given in 2001–02. Readings in German, discussions in English.

German 120. The Age of Goethe

Catalog Number: 5099

Karl S. Guthke

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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 omitted in 2001–02. Readings in German, lectures and discussions in English.

German 142. Modes of Literary Realism

Catalog Number: 2308

Richard T. Gray (University of Washington)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

This course will examine the depiction and problematization of sociohistorical reality in selected works of 19th-century German literature. Drawing on short background readings in social philosophy (Marx) and aesthetic theory (Nietzsche), we will investigate the different approaches to “realistic” portrayal in diverse periods, such as “Young Germany,” Poetic Realism, and Naturalism. Representative authors include Heine, Büchner, Droste-Hülshoff, Stifter, Keller, Storm, Fontane, and Hauptmann.

Note: Expected to be omitted in 2001–02. Readings and discussions in German.

[German 148. Freud]

Catalog Number: 5403



Peter J. Burgard

Half course (spring term). Hours to be arranged.

Readings of Freud's major works (in translation) and discussion of the questions they raise for life in the 20th century, for our concept of culture, and for the way we understand ourselves. Readings include *The Interpretation of Dreams*, *The Psychopathology of Everyday Life*, *Jokes and Their Relation to the Unconscious*, *Three Essays on the Theory of Sexuality*, *Totem and Taboo*, *Beyond the Pleasure Principle*, *Group Psychology and the Analysis of the Ego*, *The Ego and the Id*, *Civilization and Its Discontents*, and various of his lectures, essays, and case studies. *Note:* Expected to be given in 2001–02. No knowledge of German required. All readings and discussions in English; German concentrators read the majority of texts in the original.

[German 151. Franz Kafka: His Works, His Time, His Impact]

Catalog Number: 0169

Judith Ryan

Half course (spring term). Hours to be arranged.

Close readings of Kafka's novels and stories, with some attention to a selection from his diaries and letters. Attempts to situate Kafka's works in relation to the cultural context in which they originated. Some attention also to Kafka's impact on later writers; students may explore this aspect in their final papers.

Note: Expected to be given in 2001–02. No knowledge of German required. Readings and discussions in English; German concentrators read and discuss the works in the original.

[German 154. Introduction to German Film Studies]

Catalog Number: 5782

Eric Rentschler

Half course (fall term). Hours to be arranged.

An intensive introduction to the study of German film, the course offers in equal measure survey appreciations of German film history as well as in-depth analyses of representative film texts. We will consider film's relationships to literature and the other arts, questions of narrative, genre, and authorship as well as the dynamic interactions between film history and social history. We will also open films up to perspectives offered by classical and contemporary film theorists and critics. Films to be studied include representative features and documentaries by Wiene, Lang, Murnau, Pabst, Riefenstahl, Staudte, Fassbinder, Herzog, Wenders, Dörrie, and others. *Note:* Expected to be given in 2001–02. Readings and discussions in English.

[German 155. Weimar Cinema: The Laboratory of Modernity]

Catalog Number: 0662

Eric Rentschler

Half course (fall term). Hours to be arranged.

Films of the Weimar Republic, such as *Nosferatu*, *Metropolis*, *The Blue Angel*, and *M*, will be analyzed as enactments of the pre-Hitler era's dreams and nightmares, and as depictions of Germany's uneasy confrontations with modernity and modernization. Readings will provide historical and theoretical perspectives regarding the contested status of a nascent visual culture and its industrialized processing of experience. Texts by Balázs, Kracauer, Arnheim, Bloch, Goebbels, Benjamin, and Brecht.



Note: Expected to be given in 2001–02. No knowledge of German required. Readings, films, and discussions in English.

[German 170. Goethe's *Faust*]

Catalog Number: 1246

Karl S. Guthke

Half course (spring 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.

Note: Expected to be given in 2001–02. Readings in German, discussions in English.

German 172 (formerly German 230). Political Romanticism

Catalog Number: 3699

Beatrice Hanssen

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

In order to understand better the relations between aesthetics and politics, we may need to return to the period of Romanticism—or this, at least, is the working hypothesis of our semester-long investigation. Does Romanticism merely aestheticize politics—to invoke Benjamin—or does it perhaps also politicize aesthetics? Combines discussion of terms such as aesthetic fragment, reflection, allegory, and symbol with an analysis of their contemporary “use-value.” Authors include Kant, Rousseau, Fichte, Schlegel, Wordsworth, Coleridge, Hölderlin, Kierkegaard, Heidegger, Carl Schmitt, de Man, Rorty, Lacoue-Labarthe, Nancy, Arendt, and Varnhagen.

Note: Expected to be omitted in 2001–02. Course conducted in English. Readings in English; students with German-language proficiency read texts in the original.

[German 176. The Rise of Nazism and the German Resistance]

Catalog Number: 4385

Judith Ryan

Half course (spring term). Hours to be arranged.

Traces the rise of nationalist movements and the emergence of various resistance efforts from the late 1920s to the end of World War II. Emphasis on the reflection of these developments in literary texts. Topics: the problematic relation of fascism and modernism; inner emigration; exile; women under Nazism; youth resistance groups. Authors include Roth, Thomas Mann, Benn, Klaus Mann, Jünger, Bonhoeffer, Kolmar, Seghers, Wiechert, and Inge Scholl.

Note: Expected to be given in 2001–02. Readings in German, discussions in English.

German 179. Modernism and Its Discontent: German Culture and Society 1918-1945

Catalog Number: 0719

Bernhard Widdig (Massachusetts Institute of Technology)

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

The first part of the course explores the rich and influential cultural legacy of the Weimar Republic, focusing on themes that are central to modernity and modernism. Topics of discussion include the city, the masses and the experience of mass warfare, Americanism, the New Woman, technology, and mythology. The second part of the course investigates the central cultural manifestations of National Socialism, probing the characteristics of fascist aesthetics and



scrutinizing the role of film, literature, and art in the Third Reich.

Note: Expected to be omitted in 2001–02. Readings and discussions in German.

[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 2001–02. No knowledge of German required. All readings and discussions in English; German concentrators read the majority of texts in the original.

[German 185. German Poems in Cultural Context]

Catalog Number: 6300

Judith Ryan

Half course (fall term). Hours to be arranged.

Poetry from the Reformation to the present, read against the background of historical, social, and cultural events.

Note: Expected to be given in 2001–02. Readings in German, discussions in English.

[German 190. The Modern German Novel and Social Reality]

Catalog Number: 4870

Judith Ryan

Half course (fall term). Hours to be arranged.

Explores the fictional representation of German social reality during the period 1900–1933. Examines the interaction of family and national traditions, individual psychology and the modern technological world, artistic production and political forces, male and female modes of identity formation, nostalgia for home and the pull of the exotic. Authors treated include Thomas Mann, Gabriele Reuter, Hermann Hesse, Franziska zu Reventlow, Hermann Broch, and Arnold Zweig.

Note: Expected to be given in 2001–02. Readings in German, discussions in English.

German 193. Stylistic Studies and Expository Writing

Catalog Number: 6370

Karl S. Guthke

Half course (spring term). W., 4–6. EXAM GROUP: 8, 9

Close analysis and informal discussion of the style and significance of very short keynote literary and cultural texts, followed by various types of written work. Designed to develop appreciation of specific stylistic qualities and cultural implications of representative prose and poetry and of the finer nuances of the German language. Authors: Luther, Goethe, Brentano, Brothers Grimm, Heine, C. F. Meyer, G. Keller, Fontane, Wedekind, Morgenstern, Schnitzler, Hofmannsthal, Rilke, Hesse, Thomas Mann, Brecht, Enzensberger, Johnson, Grass, and others.

Note: Conducted in German. Required of concentrators in German literature.

Prerequisite: Completion of German 60a or permission of the instructor.



Cross-listed Courses

Comparative Literature 151. The Faust Legend in Literature
Comparative Literature 167. Contemporary Fiction: The Novel After Theory
***Folklore and Mythology 90 (formerly *Folklore and Mythology 90a). Fairy Tales and Literary Culture**
[Foreign Cultures 30. Forging a Nation: German Culture from Luther to Kant and Beyond]
Foreign Cultures 76. Mass Culture in Nazi Germany: The Power of Images and Illusions
[Historical Study A-76. Germany 1871–1990: From Unification to Reunification]
[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 Culture of Childhood]
[Literature and Arts B-65. Music in *Fin-de-siècle* Vienna: The Origins of Modernism]
[Literature and Arts C-25. The Medieval Stage]
Literature and Arts C-43. The Medieval Court
[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]
Literature and Arts C-67. The German Colonial Imagination
Visual and Environmental Studies 157ar. New German Cinema: Oppositional Energies and Utopian Designs
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 not only to gain an understanding of Goethe’s oeuvre and the reasons for its influence on subsequent generations, but also to trace the playfully subversive disposition and textual practice of a writer who has traditionally been appropriated as a spokesman for aesthetic conservatism and reaction. Emphasis on texts from the so-called “classical” period.

Note: Expected to be given in 2002–03.

German 226r. Proseminar: Literary Theory, Methodology, and Bibliography

Catalog Number: 1720

Richard T. Gray (University of Washington)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course has a double focus. First, it provides an introduction to recent directions in critical theory, including hermeneutics, structuralism, deconstruction, feminism, etc., on the basis of short readings. Second, it introduces students to the significant bibliographic reference tools of German literary studies and trains them in research methods.



Note: Readings in English and German, discussions in English. Offered annually with changing topics.

[*German 231. The Cultural Legacy of the Brothers Grimm]

Catalog Number: 5904

Maria Tatar

Half course (spring term). Hours to be arranged.

Examines the folktales collected and edited by the Brothers Grimm and investigates the dissemination of the tales in other folkloric and literary cultures. Special emphasis on the connection between fairy tales for children and the folklore of childhood.

Note: Expected to be given in 2001–02. Course conducted in English. Readings in English; students with German-language proficiency read texts in the original.

[German 239. Turn-of-the-Century Prague: Seminar]

Catalog Number: 3666

Judith Ryan

Half course (spring term). Hours to be arranged.

Prague as a rival and partner of Vienna; as an ethnic, linguistic, and cultural mixture; as a crucible of early modernism. Focus on prose narrative and drama. Authors include Kafka, Brod, Werfel, Weiss, Rilke, Meyrink, Mauthner, Kisch; contributors to the yearbook *Arkadia*; Löwy and the Yiddish theater.

Note: Expected to be given in 2001–02. Conducted in German.

[German 244. Readings in Classical Film Theory]

Catalog Number: 6388

Eric Rentschler

Half course (spring term). Hours to be arranged.

Explores classical film theory, from the formalist perspectives of Arnheim and Eisenstein to critical assessments of cinema's potential by Balázs, Kracauer, Benjamin, and Adorno. We will also contemplate the pertinence of these contributions for recent discussions about gender, spectatorship, and modern culture's primacy of the visual as well as the ideological effects of mass-produced sights and sounds.

Note: Expected to be given in 2001–02. Course conducted in English. Readings in English; students with German-language proficiency read texts in the original.

[German 250. Cultural Studies and the Literary Text]

Catalog Number: 1364

Maria Tatar

Half course (fall term). Hours to be arranged.

By focusing on problems such as identity formation, violence, gender, and sexuality, this course will situate literary texts in their cultural contexts and identify the ideological issues at stake in representational practices. Authors include Wedekind, Schnitzler, Hofmannsthal, Thomas Mann, Heinrich Mann, Döblin, Brecht, Grass, and Süsskind.

Note: Expected to be given in 2001–02. Course conducted in English. Readings in German.



[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 2001–02. Open to qualified undergraduates.

German 270. Aesthetic Theory (Kant to Adorno)

Catalog Number: 7365

Beatrice Hanssen

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines major 18th-, 19th-, and 20th-century tracts on aesthetic theory that are still foundational to current debates about aesthetic ideology. Combines in-depth study of such concepts as representation, symbol, beauty, the sublime, and the end of art with discussion of their contemporary relevance. Primary texts by Kant, Schiller, Hegel, Schopenhauer, Kierkegaard, Nietzsche, Heidegger, Adorno. Critical responses by Gadamer, Eagleton, de Man, Bourdieu, Derrida, and Lyotard.

Note: Expected to be omitted in 2001–02. Open to qualified undergraduates.

[German 272. Gerhart Hauptmann's Major Plays: Seminar]

Catalog Number: 4547

Karl S. Guthke

Half course (spring term). Hours to be arranged.

Discussion of about eight plays in their social and cultural contexts.

Note: Expected to be given in 2001–02.

German 282. Poetry After Auschwitz: Seminar

Catalog Number: 0379

Judith Ryan

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Engaging with Adorno's famous dictum about "poetry after Auschwitz" and related theoretical readings, the course focuses on lyric poetry in three periods: immediately following 1945; at the time of the Frankfurt Auschwitz trial in 1964; and in the present day. Poets include Celan, Sachs, Bobrowski, Kaschnitz, Grass, Bienek, Ausländer, and Grünbein.

Note: Expected to be omitted in 2001–02. Readings in German (good knowledge of German essential).

German 285. Contemporary German Drama and Theater: Seminar

Catalog Number: 7341

Sabine Wilke (University of Washington)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A critical introduction to contemporary German drama in the context of theatrical developments. We will be reading works by Handke, Strauss, Bernhard, Heiner Müller, Reinshagen, Roth, Steinwachs, Jelinek, Elfriede Müller, and others. We will also discuss the work of stage directors such as Peter Stein, Andrea Breth, and Robert Wilson and reflect on the interaction between developments in drama and in theater. Topics for discussion include the role of politics and



language in the seventies, the emergence of a new concept of subjectivity, and dramatic and theatrical representations of gender and ethnicity.

Note: Expected to be omitted in 2001–02. Readings in German, discussions in English.

Cross-listed Courses

***Comparative Literature 202. Melancholy: The Anatomy of an Affect in Literature, Philosophy, and the Arts: Seminar**

Graduate Courses of Reading and Research

***German 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 3646

Peter J. Burgard 2217 (on leave 2000-01), Karl S. Guthke 1715, Beatrice Hanssen 3234, Eric Rentschler 2325, Judith Ryan 1135, Eckehard Simon 2670, and Maria Tatar 3645 (on leave 2000-01)

Cross-listed Courses

***Comparative Literature 310hf. Comparative Approaches to Medieval Literature: Doctoral Conference**

Germanic Philology

Primarily for Graduates

Germanic Philology 200. Introduction to Middle High German

Catalog Number: 4639

Eckehard Simon

Half course (fall term). M., Tu., W., at 11. EXAM GROUP: 3, 13

Teaches reading knowledge of Middle High German through grammar study, translation, and explication of short literary and cultural texts. 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., Tu., (Th.), at 1. EXAM GROUP: 6, 15

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.



Germanic Philology 280. Teaching Methods for Language Courses

Catalog Number: 5944

Charles P. Lutcavage

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to teaching methods for introductory and intermediate German language courses. Emphasis on development of practical skills for classroom instruction.

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 (on leave spring term), Jay H. Jasanoff 1661 (on leave spring term), Stephen A. Mitchell 7056, and Eckehard Simon 2670

Cross-listed Courses

English 101. The History and Structure of the English Language

[*English 202. Introduction to Runology]

[*English 207n. Workshop in Old English and Old Norse]

Linguistics 110. Introduction to Linguistics

Linguistics 168. Introduction to Germanic Linguistics

[Linguistics 247. Topics in Germanic Linguistics]

Yiddish 105. Yiddish Language and Linguistic Theory

Dutch

For Undergraduates and Graduates

Dutch Aa (formerly Dutch A). Elementary Dutch

Catalog Number: 7660

Charles P. Lutcavage

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An introduction to Dutch, focusing on speaking, listening, reading, and writing skills. Class sessions emphasize the development of basic oral proficiency. Essentials of grammar and selected readings.

Note: Dutch Aa may not be taken to satisfy the language requirement. Not open to auditors.

Scandinavian

Primarily for Undergraduates

Danish A (formerly Scandinavian C). Introduction to Danish Language and Literature

Catalog Number: 1861

Stephen A. Mitchell

Full course (indivisible). M. through Th., at 9. EXAM GROUP: 2, 11



An introductory course in modern Danish for students with little or no previous knowledge of the language. In the first term the emphasis is on oral expression and listening comprehension; in the spring term there is additional emphasis on reading and writing skills. Danish literature is introduced through short stories, poems, and newspaper articles. Videos, films, and the Internet provide supplementary material for discussion of current events and Danish culture.

Note: The first half of this course may not be taken as a half course for credit toward the A.B. degree. May not be taken Pass/Fail. Not open to auditors.

***Scandinavian 91r. Supervised Reading and Research**

Catalog Number: 7308

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Head Tutor is required.

***Scandinavian 97. Tutorial — Sophomore Year**

Catalog Number: 1592

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and acquaint students with appropriate analytical methods.

Note: Open to concentrators in the Scandinavian option. Permission of the Head Tutor is required.

***Scandinavian 98. Tutorial — Junior Year**

Catalog Number: 4255

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and to develop analytical techniques.

Note: Permission of the Head Tutor is required.

***Scandinavian 99. Tutorial — Senior Year**

Catalog Number: 5542

Stephen A. Mitchell and members of the Department

Full course. Hours to be arranged.

Note: Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Head Tutor is required.

Swedish A (formerly Scandinavian 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, 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 (formerly Scandinavian 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: Scandinavian A or equivalent.

Swedish Bb (formerly Scandinavian 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: 4

Continuation of Swedish Ba. Readings from works in classical and modern Swedish literature and other texts of cultural and social interest. Authors include August Strindberg, Pär Lagerkvist, Carl Michael Bellman, Tomas Tranströmer, and Vilhelm Moberg.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish Ba or equivalent.

For Undergraduates and Graduates

Scandinavian 103. Scandinavian Mythology and Folklore

Catalog Number: 3761

Timothy R. Tangherlini (University of California, Los Angeles)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the religious beliefs of the North Germanic peoples, emphasizing the Viking period, and to Scandinavian folk narrative traditions, as well as to interpretive methodologies that strive to answer the question, Why do people tell the stories that they tell? The first part of the course is devoted to eddic mythology. The remainder, which includes a history of folkloristics in Scandinavia, focuses on the fairy tale (structure, style, and psychology) and legends and their interpretation, including legends in contemporary society and popular film. Emphasis is on stories of ghosts, witches, Satan, buried treasure, folk healers, and other supernatural elements.

Note: Expected to be omitted in 2001–02. No knowledge of Nordic languages required. All readings in English; Scandinavian concentrators read the majority of works in the original.

[Scandinavian 151. The Viking World]

Catalog Number: 6970

Stephen A. Mitchell

Half course (fall term). Hours to be arranged.

Reviews the historical events in northern Europe A.D. 800–1100 and the literary legacy that



resulted from those activities. Special attention is paid to the development of the North Atlantic colonies. The evidence for “viking” activity in the New World (e.g., the Vinland sagas, the archaeological record)—and the fabrication of such evidence (e.g., the Kensington rune stone, the “viking” city of Norumbega)—carefully considered.

Note: Expected to be given in 2001–02. All readings in English.

Cross-listed Courses

[Folklore and Mythology 100. An Introduction to Folklore & Mythology]

Folklore and Mythology 108. Witchcraft

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, Civil Religion 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 2001–02. 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 2001–02. 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 (on leave spring term) 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*)
 Alberto F. Alesina, Professor of Economics and of Government
 James E. Alt, Frank G. Thomson Professor of Government (*on leave spring term*)
 Scott Ashworth, Assistant Professor of Government
 Robert H. Bates, Eaton Professor of the Science of Government (*on leave 2000-01*)
 Eva Bellin, Associate Professor of Government
 Seyla Benhabib, Professor of Government (*on leave 2000-01*)
 Mark Norman Blitz, Visiting Professor of Government (*Claremont McKenna College*) (*spring term only*)
 Bear F. Braumoeller, Assistant Professor of Government
 Mark R. Brawley, Visiting Professor of Government (*McGill University*)
 Barry C. Burden, Assistant Professor of Government
 Keith J. Bybee, Associate Professor of Government
 Andrea L. Campbell, Assistant Professor of Government
 Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies and Director of the Davis Center for Russian Studies
 Jorge I. Domínguez, Harvard College Professor, Clarence Dillon Professor of International Affairs, and Director of the Weatherhead Center for International Affairs (*on leave 2000-01*)
 Grzegorz Ekiert, Professor of Government (*on leave spring term*)
 Margarita Estevez-Abe, Associate of the Program on U S-Japan Relations in the Weatherhead Center for International Affairs, Post-Doctoral Fellow in the Program on US-Japan Relations in Weatherhead Ctr for International Aff., Assistant Professor of Government
 Jeffry Frieden, Stanfield Professor of International Peace, Acting Director of the Weatherhead Center for International Affairs
 Peter A. Hall, Harvard College Professor, Frank G. Thomson Professor of Government, and Director of the Minda de Gunzburg Center for European Studies (*on leave 2000-01*)
 Jonathan George Haslam, Visiting Professor of Government (*Cambridge University*) (*spring term only*)
 Pierre Hassner, Visiting Lecturer on Government (*University of Michigan*) (*fall term only*)
 Yoshiko M. Herrera, Assistant Professor of Government
 Jennifer L. Hochschild, Professor of Government (*on leave spring term*)
 Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor (*on leave fall term*)
 Istvan Hont, Visiting Professor of Government (*Cambridge University*) (*fall term only*)
 Samuel P. Huntington, Albert J. Weatherhead, III University Professor
 Paul K. Huth, Visiting Professor of Government, Visiting Scholar in the Weatherhead Center for International Affairs (*University of Michigan*)



Torben Iversen, Professor of Government
 Alastair Iain Johnston, Governor James Albert Noe, Sr. and Linda and Christel Noe Laine Kelley
 Professor of China in World Affairs
 Michael Jones-Correa, Associate Professor of Government
 Devesh Kapur, Associate Professor of Government
 Gary King, Professor of Government
 Sharon R. Krause, Assistant Professor of Government
 Christiane G. Lemke, Visiting Professor of Government (*University of Hanover, Germany*)
 (*spring term only*)
 Steven R. Levitsky, Assistant Professor of Government and of Social Studies
 Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government
 Lisa L. Martin, Professor of Government (*on leave fall term*)
 Sylvia Maxfield, Lecturer on Government
 Pratap Bhanu Mehta, Associate Professor of Government and of Social Studies
 Andrew Moravcsik, Professor of Government
 Glyn Morgan, Assistant Professor of Government and of Social Studies (*on leave 2000-01*)
 Russell Muirhead, Assistant Professor of Government (*Head Tutor*)
 Mary P. Nichols, Visiting Professor of Government (*Fordham University*) (*fall term only*)
 (*spring term only*)
 Elizabeth J. Perry, Henry Rosovsky Professor of Government
 Paul E. Peterson, Henry Lee Shattuck Professor of Government
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
 Paul Pierson, Professor of Government
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
 Louise M. Richardson, Associate Professor of Government (*on leave 2000-01*)
 Gretchen Ritter, Visiting Associate Professor of Government (*University of Texas*) (*fall term only*)
 Stephen Peter Rosen, Beton Michael Kaneb Professor of National Security and Military Affairs
 Nancy Lipton Rosenblum, Professor of Government, Associate of the Department of
 Government (*on leave spring term*)
 Bruce M. Russett, Visiting Professor of Government (*Yale University*)
 Carol R. Saivetz, Lecturer on Government (*spring term only*)
 Michael J. Sandel, Harvard College Professor and Professor of Government
 James Schmidt, Visiting Professor of Social Studies (*Boston University*)
 Edward P. Schwartz, Associate Professor of Government
 Jasjeet Singh Sekhon, Assistant Professor of Government (*on leave fall term*)
 Kenneth A. Shepsle, George D. Markham Professor of Government (*on leave spring term*)
 Cindy Skach, Assistant Professor of Government
 Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology
 Dennis F. Thompson, Alfred North Whitehead Professor of Political Philosophy, Professor of
 Government and Professor of Public Policy (KSG) (*on leave 2000-01*)
 Richard Tuck, Professor of Government (*Director of Graduate Studies*) (*on leave spring term*)
 Sidney Verba, Carl H. Pforzheimer University Professor

Other Faculty Offering Instruction in the Department of Government



Graham T. Allison, Jr., Douglas Dillon Professor of Government (*Kennedy School*)

John Barnard, Lecturer on Statistics

Rebecca Aubrey Betensky, Associate Professor of Biostatistics (*Public Health*)

Robert D. Blackwill, Lecturer on Public Policy (*Kennedy School*)

Anna B. Greenberg, Assistant Professor in Public Policy (*Kennedy School*)

Roger B. Porter, IBM Professor of Business and Government (*Kennedy School*)

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

1000–1019 and 2000–2019: Formal Theory and Methodology

1020–1099 and 2020–2099: Political Thought and Its History

1100–1299 and 2100–2299: Comparative Government

1300–1599 and 2300–2599: American Government, Public Law, and Administration

1700–1999 and 2700–2999: International Relations

3000–3999: Graduate Courses of Reading and Research and Dissertation Workshops

Introductory and General Courses

Primarily for Undergraduates

Government 10. Introduction to Political Thought

Catalog Number: 8836

Sharon R. Krause

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines competing conceptions of politics through classic readings in political philosophy. Arguments for and against various ideal regimes will be investigated with a view to better understanding contemporary liberal democracy. Topics include justice, freedom, equality, rights, political obligation, the social contract, the meaning of liberalism, and the ends of politics as illuminated by such thinkers as Aristotle, Machiavelli, Hobbes, Locke, Rousseau, and Marx.



Government 20. Introduction to Comparative Politics

Catalog Number: 6166

Eva Bellin and Grzegorz Ekiert

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Explores important questions and concepts in contemporary comparative politics. Themes will include the historical evolution of the state and citizenship, the power of ethnicity, the dynamics of regime change, the varied modalities of participation and contentious politics, and interactions between politics, economics, and culture. Cases will be drawn from different regions and historical periods to give students a grounding in the tools of comparative analysis.

Government 30. Introduction to American Government

Catalog Number: 0263

Andrea L. Campbell and Paul E. Peterson

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to American government and politics, emphasizing how citizens and institutions (the Congress, executive, courts, political parties, interest groups, public opinion, and the electorate) interact in the formation of public policies, and how this interaction has changed over time. The political process studied primarily through examination of several historical and contemporary cases, in areas such as civil rights, foreign policy, economic regulation, and electoral behavior.

Cross-listed Courses

Historical Study A-12. International Conflict and Cooperation in the Modern World

Government 90. Junior Seminars

These half courses are limited to 16 participants with preference given to government concentrators in their junior years. Students who have elected the honors program may take two junior seminars (90), two junior tutorials (98) or one of each. Enrollment in both 90 and 98 is determined by a lottery based on student preferences. Undergraduate non-concentrators may enroll in junior seminars and tutorials on a space available basis. All students wishing to enroll in Government 90 or 98 must participate in the lottery.

Government 90a. Contemporary British Politics

Catalog Number: 6263

James E. Alt

Half course (fall term). Tu., 2–4.

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 90ac. Urban Politics]

Catalog Number: 5488

Michael Jones-Correa

Half course (fall term). Hours to be arranged.



Uses readings focused on three cities—Los Angeles, New York, and Miami—to look at ongoing changes in urban politics. A major theme of the course will be how cities have dealt with rapid demographic change—white (and sometimes black) flight, the influx of immigration, and the rise of the multi-racial city. How do different urban institutions deal with these structural changes? How are new actors incorporated into existing (or new) political institutions? What are the preconditions for conflict and cooperation among different ethnic groups?

Note: Expected to be given in 2001–02.

Government 90an. The International Relations of Post-Soviet Russia

Catalog Number: 9898

Jonathan George Haslam (Cambridge University)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The transformation of Russia from a centrally planned economy directed by a regime committed to the transformation of the international system into a presidential democracy reigning over a free market is still incomplete. What effects have these dramatic changes had on Russia's foreign policy? Has Putin dropped the legacy of the Soviet past? Has Moscow found a new identity? More generally, we will focus on the tensions arising from adaptation to democratic capitalism but resistance to imitation of the West. We will investigate the inter-relationship between economic transformation and foreign policy, as well as reach back into the pan-slavic past to the writings of those like Danilevskii who rejected the west as a model, in order to trace Russia's trajectory into the future.

Government 90au. Political Economy

Catalog Number: 8213

Torben Iversen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines modern theories of political economy and their applications to macro problems in advanced 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 90bc. The Political Significance of Legal Ambiguity

Catalog Number: 4047

Keith J. Bybee

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines the uncertainties and inconsistencies in judicial reasoning, with special attention to the political purposes that such ambiguities serve. Readings include works by legal realists and selected areas of constitutional adjudication.

Government 90bw. Markets and Morals

Catalog Number: 5921

Michael J. Sandel

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The seminar will examine controversial cases of commodification, and ask whether there are



some things money cannot or should not buy. Topics to include organ sales, surrogacy, college financial aid, pollution permits, for-profit prisons, mercenary armies, and others. Some previous course work in political theory is recommended but not required.

Government 90cl. Human Rights in World Politics

Catalog Number: 4536

Andrew Moravcsik

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of the history, politics, and law of the international human rights protection. The seminar analyzes the emergence, expansion, and enforcement of international norms concerning national guarantees of human rights.

[Government 90cm. Human Rights: Political and Philosophical Perspectives]

Catalog Number: 4459

Glyn Morgan

Half course (fall term). Hours to be arranged.

Examines some of the philosophical and political issues raised by human rights. The philosophical questions discussed include: do human rights need a philosophical justification? Are human rights “ethnocentric”? Can philosophical arguments help us identify a list of human rights? Political questions include: what is the status of human rights with respect to constitutional and legal rights? What role should human rights play in an ethical foreign policy? Is the modern nation state a guarantor or a predator of human rights?

Note: Expected to be given in 2001–02.

Government 90cv. The Politics of European Integration

Catalog Number: 8428

Christiane G. Lemke (University of Hanover, Germany)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the history of the European Union, its institutions, key policies and concepts, and deals with major theoretical approaches to analyzing the process of integration. Topics include evolving patterns of political integration in the post Maastricht era, European identity, citizenship, and government. Emphasis is placed on the changing meaning of Europe after the collapse of communism and the interplay between economic and political integration.

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 90dx. Political Participation and Public Policy in the U.S.

Catalog Number: 1784

Andrea L. Campbell

Half course (spring term). W., 2–4.

Examines the role of mass political participation in the policy-making process. Discussion of



what normative theory says that role should be, how the public actually behaves, and how representatives respond. Considers whether differences in participation rates by race, ethnicity, gender, age, and class lead to unequal policy treatment. Case studies will include welfare, social security, health care, agricultural subsidies, and tax policy.

[Government 90el. International Financial Institutions]

Catalog Number: 5667

Devesh Kapur

Half course (fall term). Hours to be arranged.

Examines the evolving role of the Bretton Woods Institutions (IMF and World Bank) and (to a lesser degree), the regional development banks. Topics include the governance and purposes of these institutions; the factors that shape their programs and policies; and the economic, social, and political consequences of their programs.

Note: Expected to be given in 2001–02.

Government 90eo (formerly Government 1785). Globalization and American Foreign Economic Policy

Catalog Number: 9955

Mark R. Brawley (McGill University)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the foreign economic policies of the United States in the context of increasing global economic integration. Topics include: globalization—benefits and costs, winners and losers; lessons from history; determinants of trade policy; political economy of multinational corporations; and reforming the international financial architecture.

[Government 90ge. States and Markets in Developing Countries]

Catalog Number: 7665

Devesh Kapur

Half course (spring term). Hours to be arranged.

Examines the interaction of states and markets in economic development in LDCs. Readings and discussion will focus on state and market institutions and the effects of globalization.

Note: Expected to be given in 2001–02.

Government 90gn. Cultural Politics: Religion and State in Modern Democracies

Catalog Number: 2868

Eva Bellin

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Studies contemporary responses to the classic dilemma of church-state separation in modern democracies. Focuses on such flash points as the politics of veiling in France; abortion in Ireland; personal status in Israel; education and prayer in the U.S., and free speech in Iran. Analyzes the political and ideological underpinnings of diverse approaches to the church-state relationship from official secularism and the “non-establishment” of religion to “equal protection” and the state in the service of faith.

Government 90gs. Civil Society in Asia

Catalog Number: 7546



Susan J. Pharr

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This seminar looks at the concept of civil society in the Asian context, with particular emphasis on East Asia. The seminar first examines how the concept originally evolved in Western societies, looking at the debates over civil society in Western and Eastern Europe. It then explores how the term applies in the Asian context. It looks at how the Internet, globalization, religion, ethnic conflict, market reforms, corruption, international NGOs, the IMF, and other forces, internal and external, are affecting civil societies in Asia, and the relation between developments in civil society and democratization. It also looks at the evolution of international civil society and Asia's place in it.

Government 90hg. Building the Activist State: American Public Policy Since 1960.

Catalog Number: 8096

Paul Pierson

Half course (fall term). Th., 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 90ia. Sino-U.S. Relations in an Era of Rising Chinese Power

Catalog Number: 9006

Alastair Iain Johnston

Half course (spring term). M., 2–4.

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 U.S. Some issues to be examined include global arms control, trade, the environment, and regional security.

Government 90ib. Contemporary Issues in U.S. Defense Policy

Catalog Number: 0386

Paul K. Huth (University of Michigan)

Half course (fall term). W., 7–9 p.m. EXAM GROUP: 9

In this seminar U.S. security policy in three areas will be examined. First, nuclear arms control policies towards Russia will be considered with a focus on the future of the ABM Treaty and what are the prospects for and possible security implications of further arms reductions beyond START II. Second, U.S. policy in NATO will be examined with particular attention given to assessing the rationale and security implications of NATO enlargement and the alliance's military intervention into the Balkan civil wars over the past decade. Third, the debate over U.S. grand strategy for responding to and managing the rising economic and military power of China will be assessed. For each of the three main topics covered in the seminar, general theories and empirical findings on the causes of international conflict and cooperation will be drawn upon to help assess contending positions in policy debates.



Government 90id. The Politics of International Monetary Relations

Catalog Number: 7071

Mark R. Brawley (McGill University)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

This course examines some of the political issues surrounding the nature of international monetary relations, including how monetary policies are selected, the impact of international monetary problems, and rules governing international monetary flows. Monetary relations are the foundation upon which other international economic relations rest. Some of the subjects include the gold standard, the Bretton Woods system, the role of international monetary institutions such as the IMF and IBRD, floating exchange rates, international debt, EMU, and future international monetary prospects.

Government 90jp. The Struggle for Palestine/Israel

Catalog Number: 1254

Eva Bellin

Half course (fall term). Tu., 2–4. 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 nature of conditions in the West Bank and Gaza, and the possibilities for reconciliation between Palestinians and Israelis.

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.

[Government 90kc. Women and the Law]

Catalog Number: 2621

Seyla Benhabib

Half course (spring term). Hours to be arranged.

After a historical examination of Aristotle, Locke, and Hegel on women, family, the state and law, this course will look at contemporary debates around abortion, pornography, and sexual harassment. Readings from McKinnon, Cornell, Butler, Nussbaum, Scott, and others.

Note: Expected to be given in 2001–02.

[Government 90km. The Political Economy of Africa]

Catalog Number: 1215

Robert H. Bates

Half course (spring term). Hours to be arranged.



Covers recent writings on the politics and economics of Africa. Emphasis placed on recent writings on political reform (democratization), state disintegrations, and violence.

Note: Expected to be given in 2001–02.

Government 90nd. Liberalism and Democracy in Montesquieu, Rousseau, and Tocqueville

Catalog Number: 4516

Sharon R. Krause

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines the political philosophy of Montesquieu, Rousseau, and Tocqueville with particular attention to their views of liberty and equality, history and human nature, the advantages and characteristic dangers of modern democratic politics, and the relationship between political institutions and their extrapolitical supports—all with an eye to the implications for contemporary liberal democracy.

Government 90nk. Classical Theories of International Relations

Catalog Number: 1830

Jonathan George Haslam (Cambridge University)

Half course (spring term). W., 7–9 p.m. EXAM GROUP: 9

The theoretical underpinning of International Relations is a historical construct made up of philosophical parts. Ignorance of this past dooms the theorist to re-inventing the wheel. The course will highlight the roots of such key principles as liberal universalism (including the belief that free trade makes for peace and democracies do not fight one another), the notions of Reasons of State and Realpolitik, the concept of the Balance of Power and more. We will then proceed to place current theorists in their historical and philosophical contexts. Thinkers addressed include Aquinas, Machiavelli, Guicciardini, Botero, Grotius, Hobbes, Kant, Bolingbroke, and, latterly, Carr, Spykman, Morgenthau, Tucker, Hoffmann, Waltz, Keohane, and others.

Government 90os. Democracy, Interdependence, and Peace

Catalog Number: 5069

Bruce M. Russett (Yale University)

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Examination of whether the international system is changing fundamentally, with zones of peace among many countries, through forces of democratization, economic linkages, and international organizations. Consideration of how classical and contemporary theories of international relations may illuminate these questions and what the empirical evidence may be.

[Government 90q. U.S. – Latin American Relations]

Catalog Number: 5153

Jorge I. Domínguez

Half course (fall term). W., 2–4.

A study of political and economic relations between the United States and Latin American countries, and of the international relations of Latin America since 1945. Attention also given to foreign policy decision making in the United States and Latin America, and to alternative approaches to the study of international relations and foreign policy.

Note: Expected to be given in 2002–03. Expected to be given in 2002–03.



Government 90qa. Community in America

Catalog Number: 4941

Robert D. Putnam

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Has the social fabric of America's communities and the civic engagement of its citizens changed over the last generation? Why? Does it matter? What lessons might we find in American history? These questions will be at the focus of this seminar.

Government 90rb. Comparative Constitutional Engineering

Catalog Number: 4678

Cindy Skach

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course critically examines when, and how, institutional design affects the performance and stability of democracy. Topics include the manipulation of party systems via electoral systems; incentive structures in the presidential, parliamentary, and semi-presidential constitutional types; the “problems” of divided government, minority government and divided minority government; the increasingly important role of constitutional courts; and the challenge of engineering in deeply divided societies. Examples are drawn from a variety of world regions and historical periods.

Government 90sa. The Wealth of Nations: Adam Smith in Enlightenment Context

Catalog Number: 1486

Istvan Hont (Cambridge University)

Half course (fall term). M., 7 p.m.–9 p.m. EXAM GROUP: 18

What was Adam Smith's own political and moral theory as opposed to the ones associated with his name today? Was he a liberal, a libertarian, or a conservative? A critic or defender of modernity? A visionary market theorist or a timid and piecemeal reformer? The seminar examines the complex structure of the most celebrated foundational text of economics in the context of what Albert Hirschman famously called “political arguments for capitalism before its triumph.” Topics will include Smith's advocacy of mass production, his four stages theory of history, his explanation of the origins of modern liberal Europe, his theory of moral sentiments, his relationship to fellow thinkers in the Scottish Enlightenment, and his controversy with Jean-Jacques Rousseau and the French Physiocrats.

Government 90sc. Enlightenment and Its Critics

Catalog Number: 8957

James Schmidt (Boston University)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course will trace the vicissitudes of Enlightenment ideals of reason, critique, and autonomy in the 19th and 20th centuries. It will examine the ways in which the arguments of the Enlightenment's contemporaries (including Hamann, Burke, and Hegel) have been taken up by such 20th-century thinkers such as Max Horkheimer, Theodor Adorno, Hans-Georg Gadamer, and Michel Foucault.

Government 90sp. Future of War

Catalog Number: 6012



Stephen Peter Rosen

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

The course will examine the character and implications of political and technological factors that could affect the future conduct of war.

Government 90vo. Edmund Burke and Modern Politics

Catalog Number: 3640

Pratap Bhanu Mehta

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course will examine the writings of Edmund Burke. Topics to be discussed include: liberty, representation, revolution, imperialism, commerce, and constitutionalism. Readings will include Burke's writings and selected contemporary texts.

Government 90we. Law and Politics of Affirmative Action

Catalog Number: 9950

Keith J. Bybee

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the origins and development of affirmative action in education and employment. Particular emphasis placed on the political theories courts have used to justify and critique racial preferences.

Tutorials

***Government 91r. Supervised Reading and Research**

Catalog Number: 2444

Russell Muirhead and members of the Department

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 97. Tutorial — Sophomore Year**

Catalog Number: 0392

Andrea L. Campbell, Harvey C. Mansfield, Russell Muirhead, and members of the Department

Half course (fall term). Hours to be arranged.

Designed to provide a foundation for thinking, reading, writing, and talking about questions of politics, sophomore tutorial uses the experience of political development in the United States to investigate the fundamental political questions that confront any society.

Note: Fall term enrollment required of sophomore concentrators

***Government 98r. Tutorial — Junior Year**

Catalog Number: 7179

Russell Muirhead and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken as two half courses by juniors who have elected the honors program, but



open to all junior Government concentrators. Students may take two junior tutorials (Government 98), two junior seminars (Government 90), or one of each. Enrollment determined by a lottery based on student preferences. Students planning on being off campus during part or all of junior year should see the Head Tutor about permission to take junior tutorials or seminars before or after their absence. Undergraduate nonconcentrators may enroll in junior tutorials or seminars if space is available. All students wishing to enroll in Government 90 or 98 must participate in the lottery.

***Government 99r. Tutorial — Senior Year**

Catalog Number: 3652

Russell Muirhead 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.

Formal Theory and Methodology

For Undergraduates and Graduates

Government 1000. Quantitative Methods for Political Science I

Catalog Number: 3990

Scott Ashworth

Half course (fall term). Th., 12–2. EXAM GROUP: 18

Introduction to major quantitative techniques used in political science. Covers exploratory data analysis, as well as descriptive and causal statistical inference of many types. The course emphasizes probability theory, regression analysis and other statistical techniques, and uses new techniques of stochastic simulation to get answers easily and to interpret statistical results in a manner very close to the political substance of the problem at hand.

Note: Frequently taken by undergraduates needing quantitative techniques for thesis research and by graduate students satisfying department requirements. This course also serves as the first in a series of three quantitative courses offered by the department.

[Government 1003. Designing Political Science Research]

Catalog Number: 2742

Lisa L. Martin and Gary King

Half course (fall term). Hours to be arranged.

Teaches how to design social science research. Explains how to recognize research questions that are most likely to be answerable and productive. Analyzes how to develop successful strategies for answering research questions, including deciding what evidence to gather, how to organize and analyze it, and how you would know if you were right or wrong. This course is for those planning to go to graduate school or law school, or considering writing senior theses, or who are curious about how to do political science rather than merely debate its findings.

Note: Expected to be given in 2002–03.

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

This course introduces the theories of inference underlying most statistical methods. It covers how new approaches to research methods, data analysis, and statistical theory are developed. With this foundation, we introduce (and “reinvent”) a wide variety of known statistical solutions to a wide range of social science data problems. We also show how it is easy to conceive original approaches and new statistical estimators when required. The specific models introduced will be chosen based on students’ research topics. In past years they have included models for event counts, ecological inference, time-series cross sectional analysis, compositional data, causal inference, and others.

Note: Government 1000 or the equivalent is a prerequisite. More information is available at Gary King’s homepage at www.GKing.Harvard.Edu.

Government 2002. Topics in Quantitative Methods

Catalog Number: 8168

Jasjeet Singh Sekhon

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Explores various topics in quantitative methods. Topics include time series, time series cross section, latent variable, and limited-dependent and qualitative variable methods. Undergraduates are 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. Limited to 12.

Graham T. Allison, Jr. (Kennedy School)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Exploration and practice in qualitative methods of analysis. Begins with examination of philosophical and conceptual assumptions embodied in alternative models for explaining and predicting decisions and actions in both domestic and foreign affairs. Examines theories of rational choice, cognition and perception, organizational behavior, bureaucratic politics, intergovernmental relations, and multilevel game theory. Each student will prepare a research paper. Grades will be based on the paper and on class participation.

Note: Offered jointly with the Kennedy School of Government as ISP-305. Meets at the Kennedy School.

Government 2005 (formerly Government 2050). Theory of Collective Choice: Strategy, Voting, and Choice

Catalog Number: 1719

Scott Ashworth

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15



An introduction to game theory and its applications to political science. Applications will include majority voting, bargaining, collective action, reputation, signaling and the implementation of social choice rules.

Government 2006 (formerly Government 2051). Collective Choice: Institutions and Positive Political Theory

Catalog Number: 5487

Scott Ashworth and Kenneth A. Shepsle

Half course (spring term). F., 10–12. EXAM GROUP: 3, 4

Examines political institutions from a rational choice perspective. The now-burgeoning rational choice literature on legislatures, bureaucracies, courts, and elections constitutes the chief focus. The central idea is to understand what role institutions play in achieving political outcomes by democratic means.

Note: Government 2005 (formerly 2050) or equivalent recommended.

[Government 2010. Strategies of Political Inquiry]

Catalog Number: 7421

Gary King, Dennis F. Thompson, and Sidney Verba

Half course (fall term). Hours to be arranged.

If you could learn only one thing in graduate school, it should be how to do scholarly research. You should be able to assess the state of scholarly literature, identify interesting questions, formulate strategies for answering them, have the methodological tools with which to conduct the research, and understand how to write up the results so they can be published. Although many graduate level courses address these issues of research design indirectly, we provide an explicit analysis of each. We take empirical evidence to be historical, quantitative, or anthropological and focus on the theory of descriptive and causal inference underlying both quantitative and qualitative research. This year, we also plan to address ways that political philosophy and empirical analysis can be used to improve research in both areas.

Note: Expected to be given in 2001–02.

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 12. EXAM GROUP: 5

Philosophical debates about politics, from Plato to the Early Renaissance.

Government 1061. The History of Modern Political Philosophy

Catalog Number: 5035

Harvey C. Mansfield

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Political philosophy from Machiavelli to Nietzsche, with emphasis on its contribution to modern liberalism.



[*Government 1065. From Hegel to Habermas: Topics in Continental Thought]

Catalog Number: 6288

Seyla Benhabib

Half course (fall term). Hours to be arranged.

After an in-depth examination of Hegel's theory of the modern state, the course examines concepts of legitimacy, sovereignty, rights, civil society, cosmopolitanism, and the nation in European political theory. Readings from Kant, Hegel, Weber, Franz Neumann, Carl Schmitt, the Frankfurt School, Habermas, and Derrida.

Note: Expected to be given in 2001–02. Open to qualified graduates and undergraduates with two or more courses in the history of modern political thought.

Government 1070. Theories of Rights

Catalog Number: 9381

Sharon R. Krause

Half course (spring term). W., 2–4 and a weekly section to be arranged. EXAM GROUP: 7, 8
Examines several different arguments for rights within classical liberalism (Locke, Kant, and J.S. Mill) and then considers contemporary debates about the meaning, basis, scope, and exercise of rights. Topics include natural rights, utility and rights, autonomy and rights, rights and the welfare state, human rights, multiculturalism and group rights, civil rights and reform, environmentalism and animal rights, and current critiques of rights.

Government 1075. The American Political Novel

Catalog Number: 5339

Mary P. Nichols (Fordham University)

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

What do American novelists (e.g., Hawthorne, Melville, Twain, James, Faulkner, and Hemingway) teach us about liberal principles of government, such as equality, freedom, consent, individual rights? How does their concern with the retreat into nature and return to society reflect on the American founding, as they examine the origins and purposes of government? How do American novelists contribute to political theory, and, more generally, how does literature contribute to the study of politics?

Government 1080. American Political Thought

Catalog Number: 8049

Russell Muirhead

Half course (spring term). M., W., at 1 and a section to be arranged. EXAM GROUP: 6
American political thought, with a focus on the period 1760–1865. Topics include religion, empire and revolution, natural rights, federalism, race, pluralism, and national identity. Readings drawn mainly from primary sources, including the writings of Franklin, Madison, Hamilton, Adams, Webster, Calhoun, Anthony, Stanton, Douglas, and Lincoln. Course will also consider contemporary interpretations of the American political tradition and public philosophy.

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



[French 242. Jean-Jacques Rousseau]
[Historical Study A-17. Modern Political Ideologies]
History 2472. Republics and Republicanism
Moral Reasoning 22. Justice
[Moral Reasoning 58. Slavery in Western Political Thought]
[Moral Reasoning 64. Ethics and Everyday Life: Work and Family]

Primarily for Graduates

***Government 2030. Political Concepts: Field Seminar**

Catalog Number: 0551

Richard Tuck

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Reading and discussion of rival accounts of the basic concepts of political thinking.

***Government 2034. Markets, Morals, and Law**

Catalog Number: 4652

Michael J. Sandel

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Are there some things that money cannot or should not buy? If so, what moral limits, if any, should the law impose on market exchanges? The seminar will examine a range of morally contested contracts and exchanges—from surrogacy, organ sales, and prostitution to usury and interest, vote-selling, life insurance, wage labor, and pollution permits—and consider the philosophical questions they raise. Course readings will be drawn from political theory, moral philosophy, and selected law cases.

Note: Offered jointly with, and meets at, the Law School. Open to GSAS students with permission of the instructor.

Government 2058. Markets and Enlightenment: The 18th-Century Debate on the Morals and Politics of Commercial Society

Catalog Number: 7516

Istvan Hont (Cambridge University)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An introduction to Enlightenment theories of political economy and the various critiques and affirmations of modern civilization with which they were associated at the time. The seminar compares the morally contested theoretical histories of the origins of morality, sociability, and government emerging from the writings of Mandeville, Montesquieu, Hume, Rousseau, Adam Smith, Kant, and other 18th-century authors. Topics will include the luxury debate, “Das Adam Smith Problem” (including controversies between Adam Smith, Rousseau, and the Physiocrats), and questions related to the form and principle of the modern (as opposed to classical) republic.

Note: Open to qualified undergraduates.

[Government 2064. Nations, States, and Citizens]

Catalog Number: 8169

Seyla Benhabib

Half course (fall term). Hours to be arranged.



Examines questions of citizenship and political membership in the global era. Examines philosophies of citizenship as well as recent developments in citizenship practices in the European Union. Readings from Aristotle, Rousseau, Kant, Arendt, Walzer, Habermas, Taylor, Shklar, Brubacker, and Rogers Smith.

Note: Expected to be given in 2001–02.

[*Government 2066. Political Theory and the Public Sphere]

Catalog Number: 1897

Seyla Benhabib

Half course (fall term). Hours to be arranged.

Examines the concept of the public sphere and theories of “deliberative democracy.” Readings from Kant, Rawls, Habermas, Thompson and Gutmann, Fishkin, Walzer, and Taylor.

Note: Expected to be given in 2001–02.

Government 2070. Public Reason in Theory and Practice

Catalog Number: 9962

James Schmidt (Boston University)

Half course (spring term). M., 12–2. EXAM GROUP: 5, 6

This course will examine the “public sphere” both as a distinctive feature of European society in the 18th century and as an ideal in recent political thought. Attention will be given both to discussions of the historical development of the various institutions associated with the public sphere (salons, coffee houses, the book trade, Masonic lodges) and with the attempts of thinkers such as Jürgen Habermas, Onora O’Neill, and John Rawls to articulate the particular features of the form of political reasoning that emerged from such institutions.

Government 2078. Heidegger, Politics, and Political Thought

Catalog Number: 9062

Mark Norman Blitz (Claremont McKenna College)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

This course examines the implications of Martin Heidegger’s thought for political philosophy and political action. Readings will be selected from *Being and Time*, *Basic Problems of Phenomenology*, and several of Heidegger’s shorter essays and lectures.

[Government 2080. Topics in Political Philosophy: Manliness]

Catalog Number: 6828

Harvey C. Mansfield

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2001–02.

Comparative Government

For Undergraduates and Graduates



Government 1100. Political Economy of Development

Catalog Number: 7687

Devesh Kapur

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Comparative analysis of political economy of development drawing on case studies from Africa, Asia, the Middle East, and Latin America.

Government 1102. Democratization and Economic Reform

Catalog Number: 6232

Yoshiko M. Herrera

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

A comparative investigation of market-oriented economic reforms and transitions to democracy in Latin America, Eastern Europe, and East Asia. Considers the bases of democracy and economic prosperity, and analyzes the consolidation of political institutions under conditions of economic crisis, as well as the possibilities for economic reform under conditions of weak political institutions. Class sessions will be divided between lectures and discussions.

[*Government 1115 (formerly Government 2205). Collective Action, Protest Movements, and Politics]

Catalog Number: 5508

Grzegorz Ekiert

Half course (spring term). Hours to be arranged.

Reviews the contemporary literature on collective action, protest, and social movements. Focuses primarily on political factors facilitating protest, repertoires of contention, the role of cultural factors and the construction of identities through collective action, and methods of studying collective action. Cases will be drawn from different regions and historical periods.

Note: Expected to be given in 2001–02.

[Government 1170. The Political Development of Western Europe]

Catalog Number: 9925

Peter A. Hall

Half course (fall term). Hours to be arranged.

A survey of the creation of modern politics in Britain, France, Germany and Italy, from the feudal period to the 20th century, focusing on the causes and consequences of crucial historical developments, such as the English and French Revolutions, the Industrial Revolution, 19th-century democratization, and the rise of fascism. Examines issues associated with: the development of the modern state, processes of democratization, the relationship between capitalism and democracy, and the origins of Nazism.

Note: Expected to be given in 2001–02.

Government 1173. The Politics of Western Europe

Catalog Number: 0105

Cindy Skach

Half course (spring term). Tu., Th., at 10, and a section 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.

Government 1207. Comparative Politics of the Middle East

Catalog Number: 5232

Eva Bellin

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the politics of the region through the study of regime type in five Middle Eastern countries. Considers the rentier patrimonial state in Saudi Arabia, the populist authoritarian state in Egypt, the praetorian exclusionary state in Syria, the (failed) consociational democratic state in Lebanon, and the cyclical democratic state in Turkey.

Government 1243. Russian Politics in Transition

Catalog Number: 1982

Timothy J. Colton

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An examination of politics in the Russian Federation since the collapse of Soviet communism, focusing on the factors promoting and impeding the development of a stable democratic regime. Topics include the general dynamics of political and economic transformation, leadership, institution building, political culture, regionalism and federalism, electoral and party politics, state-society relations and interest groups, and Russian nationalism and neo-imperialism.

Government 1246. Comparative Politics of the Post-Soviet States

Catalog Number: 8809

Yoshiko M. Herrera

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

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.

Government 1273. The Political Economy of Japan

Catalog Number: 1365

Margarita Estevez-Abe

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This course examines from a comparative perspective the history of Japanese political economy, its workings and its current problems. Topics include the emergence of commercial society, the development of capitalism, the period of the “Japanese miracle,” the bubble economy and its burst, and new challenges to Japan’s political economy.

Government 1280. Government and Politics of China

Catalog Number: 1643

Elizabeth J. Perry



Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

General introduction to the politics of contemporary China. Basic objectives are to provide a working knowledge of Chinese political programs and practices, and to encourage a critical evaluation of the positive and negative aspects of China's socialist experiment.

Government 1295. Comparative Politics in Latin America

Catalog Number: 4241

Steven R. Levitsky

Half course (spring term). M., W., 2–3:30, and a section to be arranged. EXAM GROUP: 7, 8

Examines the dynamics of political and economic change in 20th-century Latin America, exploring the causes and consequences of the phenomena we have conceptualized as populism, import substituting industrialization (ISI), bureaucratic authoritarianism, democracy, and neoliberalism. Examines Latin American politics from the collapse of oligarchic rule and the emergence of populism and ISI in the 1930s and 1940s to the widespread collapse of democracy and establishment of military regimes in the 1960s and 1970s, to the contemporary processes of democratization and economic liberalization. The course compares different theoretical approaches in an effort to explain both these general processes of change and important differences across Latin American countries.

Cross-listed Courses

[Economics 1430. Macroeconomics and Politics]

Economics 2410g. Political Economics

Foreign Cultures 48. The Cultural Revolution

Historical Study A-15. Politics and Society in the Making of Modern India

[Historical Study A-53. The Chinese Revolutionary Tradition]

[Historical Study 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

Wednesday Section: Timothy J. Colton and Samuel P. Huntington; Thursday Section: Devesh

Kapur and Paul Pierson

Half course (spring term). Th., 2–4, W., 4–6 . EXAM GROUP: 9, 16, 17

Surveys major topics in comparative politics. Works of theoretical importance from both the developed and the developing world considered. Addresses such issues as development of the modern state; institutions of government; social cleavages and interest mediation; democracy and authoritarianism; revolution and political stability; political parties; mass and elite political behavior.

[*Government 2112. Comparative Political Economy]

Catalog Number: 8251

Peter A. Hall and Torben Iversen

Half course (fall term). Hours to be arranged.



A survey of several main topics and theories in comparative political economy with a focus on advanced industrial democracies. Concentrates on theories that try to explain fundamental differences in economic policy and performance across nations, seeking to establish the relative importance of institutional variables, political cleavages, partisanship and ideology with particular attention to pressures for convergence and the politics associated with “globalization.”
Note: Expected to be given in 2001–02.

Government 2113. Social Capital and Public Affairs: Research Seminar

Catalog Number: 7051

Robert D. Putnam

Half course (spring term). W., 2–4.

Topics in the relationship between politics and civil society in the United States.

Note: Offered jointly with the Kennedy School of Government as API-420. Meets at FAS.

[*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 2001–02.

[Government 2141. History, Institutions, and Political Analysis]

Catalog Number: 6266

Paul Pierson

Half course (spring term). Hours to be arranged.

A recent trend in political science has been the turn to history, as analysts ask what the investigation of earlier events and processes can tell us about the nature of contemporary politics. Course examines this body of research to clarify the pitfalls and possibilities of studying politics as a process which takes place over time. Among the themes to be explored are: ideas of path dependence and critical junctures in political development; techniques for studying the significance of timing and sequence in politics; and role of actors’ time horizons—which may be long or short—in shaping political processes. Places considerable emphasis on recent theories of institutional origins, development and change, because institutions are perhaps the principal instruments through which previous politics shape current politics. Readings will include a wide range of empirical and theoretical writings drawn from all the subfields of political science.

Note: Expected to be given in 2001–02.

[Government 2144. Issues in Comparative Political Analysis]

Catalog Number: 8747

Grzegorz Ekiert and Peter A. Hall

Half course (fall term). Hours to be arranged.

Intended for doctoral students undertaking research in comparative politics. Explores a range of issues associated with effective research design and sound comparative analysis including issues



of measurement, conceptualization, selection of cases, establishing causal relationships, and research techniques as well as some of the deeper dilemmas of modelling a complex, multicausal world.

Note: Expected to be given in 2001–02.

Government 2148. Civil Society, West and East

Catalog Number: 4675

Susan J. Pharr and Grzegorz Ekiert

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

This seminar explores the rise of civil society in states worldwide. It examines the debates over what civil society is, the notion of “public space,” and the idea of “civic engagement,” and looks at the complex relationship between civil society and the state, on the one hand, and markets, on the other. After tracing the emergence of civil society in Western Europe, the seminar looks at the forms civil society is taking in other settings, from Eastern Europe to the Asia-Pacific. It examines how a wide range of factors, from wars to the internet to the rise of international NGOs, affects the nature and quality of civic life, and democratic transitions, in different countries.

Government 2158. Political Institutions and Economic Policy

Catalog Number: 6448

Jeffrey Frieden and Kenneth A. Shepsle

Half course (fall term). M., 4–6. EXAM GROUP: 9

This seminar explores the role of political institutions in the formation, implementation, and regulation of economic policy. We examine research traditions in the positive theory of political institutions, and in comparative and international political economy, and apply them to several substantive issue areas.

***Government 2160. Politics and Economics**

Catalog Number: 7780

James E. Alt and Lisa L. Martin

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. Topics include political business cycles and voting; debt, deficits, and the size of government; political economy of trade and special interests; and monetary institutions and exchange rates.

[Government 2162 (formerly Government 2062). 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 2001–02.



[*Government 2175. Comparative Politics of the Welfare State]

Catalog Number: 6345

Paul Pierson

Half course (fall term). Hours to be arranged.

Explores the factors leading to distinctive patterns of social policy across the advanced industrial societies. Particular attention paid to the impact of contemporary pressures for austerity on national welfare states, and to an exploration of the linkages between systems of social provision and distinctive national “models” of economic development.

Note: Expected to be given in 2001–02.

Government 2178. Contemporary Welfare Capitalism

Catalog Number: 8283

Torben Iversen and Paul Pierson

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course examines different approaches to the study of welfare capitalism in its distinct national forms across advanced democracies. Emphasis is placed on explaining differences in social institutions, policies, and outcomes across countries, and on exploring how these institutions, policies, and outcomes are affected over time by globalization and other forces of change. What are the trade-offs between policy goals such as equality and economic growth, and how are the choices over these trade-offs affected by national political institutions, the organization of production, and partisan politics?

Government 2180. Democracy and Accountability in the New Europe

Catalog Number: 9099

Cindy Skach and Andrew Moravcsik

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Is there a “democratic deficit” in Europe? Political decisions are increasingly delegated to insulated, non-majoritarian institutions, national bureaucracies, constitutional courts, central banks, and international organizations. In what sense are administrators, judges, diplomats, and chief executives democratically accountable? What are the political consequences? The course looks to positive and normative theory, as well as empirical material drawn from European integration, Central European democratic transitions, and West European political development, with assistance from visiting senior European scholars.

[*Government 2197. Political and Economic Development in Africa]

Catalog Number: 9130 Enrollment: Limited to 20. Limited to 20.

Half course (fall term). Hours to be arranged.

Students will attend lectures with Social Analysis 52 and then meet for a two 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 2001–02.

Government 2210. Political Economy of the Post-Socialist Transition

Catalog Number: 8815

Yoshiko M. Herrera

Half course (fall term). Th., 3:30–5:30. EXAM GROUP: 17, 18



This course examines political and administrative difficulties accompanying the effort to build market economies in Eastern Europe and the states of the former Soviet Union. After a historical introduction to socialist economic institutions, turns to central processes of privatization, stabilization, liberalization, enterprise adaptation, and fiscal and administrative development. Taught cooperatively with an MIT seminar led by Professor David Woodruff.

[Government 2213. Comparative Politics of Post-Socialism]

Catalog Number: 6876

Grzegorz Ekiert and Yoshiko M. Herrera

Half course (spring 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 2001–02.

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 (spring 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 2001–02. 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.

Government 2285. Political Science and China

Catalog Number: 1566

Elizabeth J. Perry



Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This graduate seminar gives students control over the secondary literature on Chinese politics, with special attention to competing theoretical and methodological approaches.

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). Tu., Th., at 11. EXAM GROUP: 13

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. However, we will also consider normative concerns—i.e., does Congress function “well.”

Government 1335. The Role of the Jury in a Democratic Society

Catalog Number: 6726

Edward P. Schwartz

Half course (spring term). M., W., at 10, plus a one hour section to be arranged. EXAM GROUP: 3

We will examine the history and current practices of the U.S. criminal jury system. We will focus on important Constitutional cases that shaped our jury system as well as ongoing debates about jury reform. Section meetings will take the form of jury deliberations, where students will be asked to make difficult decisions about law and justice in the context of a particular case.

Government 1340. Constitutional Interpretation

Catalog Number: 1721

Keith J. Bybee

Half course (fall term). M., W., at 2. EXAM GROUP: 7

An introduction to American constitutional interpretation. Provides a historical survey of basic Supreme Court doctrines and considers the stature of the Court as a particular sort of political institution.

[Government 1341. Civil Liberties]

Catalog Number: 5544

Keith J. Bybee

Half course (fall term). Hours to be arranged.

An examination of contemporary constitutional interpretation, focusing on the Bill of Rights and the 14th Amendment. Specific consideration given to issues of race, gender, privacy, property, free speech, religious diversity, and political representation.

Note: Expected to be given in 2001–02.

Prerequisite: Government 1340.



[Government 1360. American Public Opinion]

Catalog Number: 8196

Half course (fall term). Hours to be arranged. EXAM GROUP: 14

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 2001–02.

Government 1540. The American Presidency

Catalog Number: 4925

Roger B. Porter (Kennedy School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13

Analyzes the development and modern practice of presidential leadership. Examines the institutional presidency, presidential selection, decision making, and the relationship of the presidency with the executive branch, Congress, courts, interest groups, the press and the public. Considers the political resources and constraints influencing the President's ability to provide leadership in the U.S. political system.

Note: Offered jointly with the Kennedy School of Government as PAL-115. Meets at FAS.

Government 1541. Women, Gender and Politics in the United States

Catalog Number: 6680

Gretchen Ritter (University of Texas)

Half course (fall term). M., W., at 1. EXAM GROUP: 6

This course is designed to introduce students to the issues and activities related to women and gender in American politics. This course is divided into four sections. Section I considers the history of American women's rights movements. Section II looks at gender, citizenship and liberalism in American politics. Section III reviews the social policy debates relevant to women, and finally the fourth section reflects on sexuality and culture as they relate to gender politics. We will conclude the course with some thoughts about the future of gender and politics in the United States.

Government 1577. Minority Politics in the United States.

Catalog Number: 7932

Michael Jones-Correa

Half course (spring term). Tu., Th., at 2, and a section to be arranged. EXAM GROUP: 16

This course will provide a general survey of constraints and opportunities in minority politics, focusing on tensions between separatism and assimilation, electoral politics and protest politics, immigrants and minorities, and cooperation and competition within and among minority groups. The purpose of this course is not only to pinpoint the similarities and differences of the agendas and strategies adopted by minority groups, but to indicate the interactions between "minority" politics and American politics as a whole.

***Government 1582. Explorations in American National Identity**

Catalog Number: 9119

Samuel P. Huntington

Half course (spring term). W., 2–4.

This is a limited enrollment discussion course open to both undergraduate and graduate students.



Topics to be covered include: theories of identity; nationalism and ethnicity; origins, elements, and development of American national identity; immigration and assimilation; the place of religion in American self-definitions; current challenges to national identity; competing cultural and transnational identities; concepts of America as the “exceptional” or “universal” nation; prospects for a new American nationalism; the impact of changes in American identity for the American role in the world.

[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 2001–02.

Cross-listed Courses

[Historical Study A-83. Civic Engagement in American Democracy]

Social Analysis 54. American Society and Public Policy

Social Analysis 58. Representation, Equality, and Democracy

***Sociology 259. Civic Engagement: Theories, Research, and Strategies**

Primarily for Graduates

***Government 2305. American Government and Politics: Field Seminar**

Catalog Number: 2305

Barry C. Burden and Theda Skocpol

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Designed to acquaint Ph.D. candidates in Government with a variety of approaches that have proved useful in examining important topics in the study of American government and politics. These approaches explored through intensive examination of illustrative works—classic as well as contemporary—that range from general interpretations of American politics to studies of specific institutions and processes.

Government 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 since World War II, making explicit the theoretical and methodological underpinnings of an institutionalist and developmental approach sensitive to processes and structural transformations. Examines state capacities; relations of business, labor, and the state; public policies (including “the rights revolution”); and civic engagement and interest intermediation. Taught cooperatively with an M.I.T. seminar led by Professor Daniel Kryder.



***Government 2490. Educational Politics and Policy**

Catalog Number: 3399

Paul E. Peterson

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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 2550. Gender, Movement Politics, and Public Policy

Catalog Number: 7459

Anna B. Greenberg (Kennedy School)

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

This course examines the influence of grassroots politics, feminist social movements and women's organizations on the policymaking process and policy outcomes. It focuses on women as political actors in contemporary politics (e.g., as voters, activists and leaders) covering such issues as the gender gap and women's leadership style. Finally, the course explores a number of policy areas relevant to gender and politics, including reproductive issues, workplace issues, education issues, women in the military and social welfare policy.

Note: Offered jointly with the Kennedy School of Government as [PAL-237]. Meets at the Kennedy School.

Government 2577. Identity: Ethnicity, Nationalism and Race

Catalog Number: 1252

Michael Jones-Correa

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course proposes to explore such questions as: How should we go about describing ethnicity, nationalism, and race? Should we treat them as primordial or as social constructions? Much of the recent literature suggests the latter. If they are constructed, then by whom (or by what)? What constrains/structures these constructions? What purposes do these constructions serve? Whom do they serve? Are some constructions better representations of identity than others, and what does this mean? Readings will be drawn from various fields across political science as well as other related social sciences.

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 1760. International Relations of East Asia

Catalog Number: 2733

Alastair Iain Johnston

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to the historical, military, political, economic, and cultural features of interstate relations in East Asia and the Pacific. The course will also present some theoretical and methodological tools for more systematic analysis of these issues. The goal will be to understand changing levels of conflict and cooperation in the region.

Government 1778. Business, Government, and the Global Economy

Catalog Number: 7461

Sylvia Maxfield

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Compares and analyzes strategies of national economic development and national economic performance in an era of increasing global integration. It uses the tools and concepts of both economics and political science to explore how the global economy shapes national economic decision-making. The course integrates analysis of specific decision-making episodes with more general discussion of pertinent themes. These issues include the costs and benefits of different development strategies. The seminar also looks at different kinds of capital flows, at environmental and labor standards and at international efforts to manage capital, labor, and the environment. The seminar draws on the experiences of a broad range of countries including the U.S., Mexico, and India, among others.

Government 1780. International Political Economy

Catalog Number: 0272

Mark R. Brawley (McGill University)

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

Analyzes the interaction of politics and economics in the international arena. Focuses on international trade, investment, monetary, and financial relations. Includes discussion of developed, developing, and formerly centrally-planned nations.

***Government 1820. International Relations Theory**

Catalog Number: 6122

Bear F. Braumoeller

Half course (spring term). M., W., (F.), at 11.

An analysis of theories of conflict and cooperation in world politics. Emphasis is on the logic and applicability of a wide range of contemporary theories, although some attention is paid to earlier writers, particularly Thucydides.

Note: Open to advanced undergraduates and graduate students.

Government 1968. International Politics in the Middle East

Catalog Number: 9335

Carol R. Saivetz

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Explores the interaction between indigenous Middle East conflicts and the policies of the outside powers. Will examine the roots of the Arab-Israeli-Palestinian conflict and the colonial legacy.



With that background, will address 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 this post-Cold War era, will we see more local conflicts? Will we see a final Arab-Israeli peace treaty? What is the likelihood of intensifying religious and ethnic conflicts?

[Government 1982. Chinese Foreign Policy, 1949–1998]

Catalog Number: 8908

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

Introduction to the descriptive history of China's international relations with special focus on different theoretical explanations for changes in foreign policy behavior (e.g. polarity, history, ideology, leadership, bureaucracy, among others). No prior background in China or international relations theory required.

Note: Expected to be given in 2001–02.

Cross-listed Courses

Historical Study A-51. The Modern World Economy, 1873–2000

[Moral Reasoning 28. Ethics and International Relations]

Primarily for Graduates

***Government 2710. International Relations: Field Seminar**

Catalog Number: 8310

Bear F. Braumoeller and Andrew Moravcsik

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

A survey of the field. Suitable for students preparing for general examinations.

[*Government 2720. The Politics of International Monetary and Financial Relations]

Catalog Number: 5442

Jeffrey Frieden

Half course (fall term). 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 2002–03.

Government 2721. Psychological Approaches to International Relations

Catalog Number: 5404

Stephen Peter Rosen

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

This course will examine the relevance of the findings from experimental psychology to the behavior of individual decision makers in international relations. Topics will include prospect theory, attribution theory, and evolutionary psychology.

Note: Offered jointly with the Kennedy School as ISP-303. Meets at FAS.



Government 2726. The Use of Force: Political and Moral Criteria

Catalog Number: 7160

Stanley Hoffmann

Half course (fall term). Hours to be arranged.

This seminar will examine normative discourse about the use of force. Primary attention will be paid analytically and historically to the “Just-War/Just-Defense” ethic. Readings and lectures will assess the ethic in light of challenges to it from the tradition of non-violence and from the nature of modern warfare. The Just-War ethic will then be assessed in light of three cases: nuclear strategy, hi-tech conventional war, and interventions.

Note: Open to qualified undergraduates. Offered jointly with the Divinity School as 2853, and with the Kennedy School of Government as ISP-340. Meets at FAS.

Government 2740. Quantitative Analysis of International Relations

Catalog Number: 7181

Bear F. Braumoeller

Half course (spring term). M., 4–6. EXAM GROUP: 9

This course focuses on the history of, and new directions in, the quantitative study of international affairs, especially but not exclusively those relating to international security affairs. “Quantitative” will be interpreted quite broadly to include both formalized theories and empirical/statistical testing.

Government 2745. Political Philosophy and International Relations

Catalog Number: 1452

Stanley Hoffmann and Pierre Hassner (University of Michigan)

Half course (fall term). W., 4–6. EXAM GROUP: 9

A study of what thinkers such as Rousseau, Kant, Hegel, and Rawls wrote on war and peace, followed by a study of the present international system in the light of these writings.

***Government 2755. International Political Economy**

Catalog Number: 7392

Mark R. Brawley (McGill University)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

A graduate-level introduction to the theoretical and empirical literature on the political economy of international trade, monetary, regulatory, investment and environmental policies.

***Government 2761. International Organization**

Catalog Number: 8442

Lisa L. Martin

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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 (formerly Government 2788.). Global Politics in the Post-Cold War World]



Catalog Number: 1915

Samuel P. Huntington

Half course (spring term). Hours to be arranged.

Reviews the emerging patterns of conflict in post-Cold War global politics, focusing on the relations among the major powers, the roles of economic, military, and “soft” power, weapons proliferation, and ethnic conflicts. An effort will be made to evaluate to what extent post-Cold War global politics can be explained by such theories as neo-realism, the end of history, economic integration, transnationalism, and the clash of civilizations.

Note: Expected to be given in 2001–02. Open to qualified undergraduates.

***Government 2790. Central Issues of American Foreign Policy**

Catalog Number: 3567

Graham T. Allison, Jr. (Kennedy School) and Robert D. Blackwill (Kennedy School)

Half course (spring term). M., W., 11:30–1. EXAM GROUP: 4, 5

Examination of central issues of American foreign policy today. What developments pose principal challenges and opportunities for U.S. policy? What are priority U.S. national interests? In foreign policymaking, how are national, domestic, and bureaucratic interests and perspectives adjudicated and amalgamated? Course examines a dozen issues at the top of the current international agenda—from “loose nukes” in Russia, potential confrontation with China over Taiwan, and peacekeeping in Rwanda to trade disputes with Japan and the IMF reform—and analyzes the international environment, identifies specific policy options, considers pros and cons, and reflects on processes for choice and action. Course seeks to combine operational assignments and conceptual/theoretical writings that help clarify choices. Students learn both about current issues and how to analyze issues and present them in option memos.

Note: Offered jointly with the Kennedy School of Government as ISP-202. Meets at the Kennedy School.

[Government 2791. Comparative Foreign and Security Policy]

Catalog Number: 0588

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

Focus is on the theory, methods, and data used in the empirical analysis of the foreign security policies of states. Examines the sources of state preferences, the structural and domestic constraints on state action, and foreign policy change. Prior training in IR theory strongly recommended.

Note: Expected to be given in 2001–02.

***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.


[*Government 2900. U.S.–Latin American Relations]

Catalog Number: 8020

Jorge I. Domínguez
Half course (fall term). W., 4–6. EXAM GROUP: 9

A study of political and economic relations between the U.S. and Latin American countries, and of the international relations of Latin America, since 1945. Attention also given to foreign policy decision making in the U.S. and Latin America, and to alternative approaches to the study of international relations and foreign policy.

Note: Expected to be given in 2002–03. Expected to be given in 2002–03.

Graduate Courses of Reading and Research
***Government 3000. Reading and Research**

Catalog Number: 3391

Roderick MacFarquhar 7856, Alberto F. Alesina 2074, James E. Alt 1593 (on leave spring term), Scott Ashworth 3318, Robert H. Bates 1251 (on leave 2000-01), Eva Bellin 3446, Seyla Benhabib 3447 (on leave 2000-01), Mark Norman Blitz (Claremont McKenna College) 3672, Bear F. Braumoeller 3330, Mark R. Brawley (McGill University) 3673, Barry C. Burden 2524, Keith J. Bybee 1253, Andrea L. Campbell 2508, Timothy J. Colton 2269, Jorge I. Domínguez 3823 (on leave 2000-01), Grzegorz Ekiert 2718 (on leave spring term), Margarita Estevez-Abe 3565, Jeffry Frieden 1627, Peter A. Hall 7272 (on leave 2000-01), Jonathan George Haslam (Cambridge University) 3788 (spring term only), Pierre Hassner (University of Michigan) 3555, Yoshiko M. Herrera 1622, Stanley Hoffmann 1757 (on leave fall term), Istvan Hont (Cambridge University) 2546, Samuel P. Huntington 1765, Paul K. Huth (University of Michigan) 3789, Torben Iversen 1250, Alastair Iain Johnston 3213, Michael Jones-Correa 1257, Devesh Kapur 3071, Gary King 1723, Sharon R. Krause 3353, Steven R. Levitsky 2395, Harvey C. Mansfield 1731, Lisa L. Martin 1048 (on leave fall term), Sylvia Maxfield 2560, Pratap Bhanu Mehta 3211, Andrew Moravcsik 2937, Glyn Morgan 2184 (on leave 2000-01), Russell Muirhead 1012, Mary P. Nichols (Fordham University) 3674 (spring term only), Elizabeth J. Perry 3074, Paul E. Peterson 2114, Susan J. Pharr 1518, Paul Pierson 2075, Robert D. Putnam 6193, Louise M. Richardson 2272 (on leave 2000-01), Gretchen Ritter (University of Texas) 3675, Stephen Peter Rosen 2721, Bruce M. Russett (Yale University) 3790, Carol R. Saivetz 3341, Michael J. Sandel 7065, James Schmidt (Boston University) 3909, Edward P. Schwartz 3215, Jasjeet Singh Sekhon 2244 (on leave fall term), Kenneth A. Shepsle 1421 (on leave spring term), Cindy Skach 3386, Theda Skocpol 1387, Dennis F. Thompson 1426 (on leave 2000-01), Richard Tuck 1704 (on leave spring term), and Sidney Verba 4072

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

Barry C. Burden 2524, Keith J. Bybee 1253, Andrea L. Campbell 2508, Paul E. Peterson 2114, and Theda Skocpol 1387

Full course (indivisible). M., 4–6.

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 3005a. Research Workshop in International Relations: Comparative and International Political Economy]

Catalog Number: 1934

Jeffry Frieden 1627, Peter A. Hall 7272 (on leave 2000-01), Lisa L. Martin 1048 (on leave fall term), and Steven Vogel 1766

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2001–02.

***Government 3005b. Research Workshop in International Relations: New Approaches to Security Studies**

Catalog Number: 1016

Bear F. Braumoeller 3330, Alastair Iain Johnston 3213, and Stephen Peter Rosen 2721

Full course (indivisible). Tu., 2–4. EXAM GROUP: 16, 17

Research workshop for advanced graduate students working on dissertation proposals in security studies.

***Government 3006. Research Workshop in Comparative Politics: The Performance of Democracies**

Catalog Number: 0910

Devesh Kapur 3071, Susan J. Pharr 1518, and Robert D. Putnam 6193

Full course (indivisible). W., 4–6.

This advanced workshop will focus on problems of democracy and democratization, broadly defined, including both American and comparative cases. Participants will discuss recent examples of research from a range of methodological traditions and will present their own work-in-progress. Students at all stages of the research process, from preliminary prospectus drafting to thesis completion, are welcome.

***Government 3007. Research Workshop in Positive Political Economy**

Catalog Number: 0968

Scott Ashworth, Scott Ashworth 3318, Yoshiko M. Herrera 1622, Torben Iversen 1250, and Kenneth A. Shepsle 1421 (on leave spring term)

Full course (indivisible). W., 4–6.



***Government 3008. Research Workshop in Political Theory**

Catalog Number: 1704

Harvey C. Mansfield 1731, Russell Muirhead 1012, and members of the Department
Full course (indivisible). Th., 4–6.

***Government 3009. Research Workshop in Applied Statistics**

Catalog Number: 8142

Gary King 1723, John Barnard 1916, Rebecca Betensky (Harvard School of Public Health),
Jasjeet Singh Sekhon 2244 (on leave fall term), and Christopher Winship 3189
Full course (indivisible). W., 12–2.

A forum for graduate students, faculty, and visiting scholars to present and discuss work in progress. Features a tour of Harvard's statistical innovations and applications with weekly stops in different disciplines. Occasional presentations by invited speakers.

Health Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Health Policy

Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*) (*Chair*)

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*)

Troyen A. Brennan, Professor of Law and Public Health (*Public Health, Medical School*)

Paul D. Cleary, Professor of Medical Sociology (*Medical School*)

David M. Cutler, Professor of Economics (*on leave 2000-01*)

Arnold M. Epstein, Professor of Health Policy and Management (*Public Health*) and Professor of Health Care Policy (*Medical School*)

Richard G. Frank, Professor of Health Economics (*Medical School*)

John D. Graham, Professor of Policy and Decision Sciences (*Public Health*)

Jerry R. Green, John Leverett Professor in the University, David A. Wells Professor of Political Economy, and Taussig Professor of Economics (*on leave spring term*)

James K. Hammitt, Associate Professor of Economics and Decision Sciences (*Public Health*)

Haiden Ashby Huskamp, Assistant Professor of Health Economics (*Medical School*)

Gary King, Professor of Government

Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and



Sciences (*on leave 2000-01*)

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, Assistant Professor of Policy and Decision Sciences (*Public Health*)

Sharon-Lise Teresa Normand, Associate Professor of Biostatistics (*Medical School, Public Health*)

Paul Pierson, Professor of Government

Gary Paul Pisano, Harry E. Figgie Jr. Professor of Business Administration (*Business School*)

Meredith B. Rosenthal, Assistant Professor of Health Economics and Policy (*Public Health*)

Donald B. Rubin, Professor of Statistics

Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology

Stephen B. Soumerai, Professor of Ambulatory Care and Prevention (*Medical School*)

B. Katherine Swartz, Associate Professor of Health Policy and Management (*Public Health*)

Sidney Verba, Carl H. Pforzheimer University Professor

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*)

The Ph.D. 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 Ph.D. Program in Health Policy choose a concentration and meet specific curriculum requirements in one of seven disciplines: decision sciences, economics, ethics, management, medical sociology, political analysis, or statistics and evaluative science. In addition to choosing a concentration, students specialize in one of four areas of policy interest: environmental health, health care services, mental health, or public health.

Decision Sciences (Professor Milton C. Weinstein, Chair). Decision Sciences are the collection of quantitative techniques that are used for decision making at the individual and collective level. They include decision analysis, cost-benefit and cost-effectiveness analysis, decision modeling, and behavioral decision theory. The concentration in decision sciences prepares students for research careers that involve the application of these methods to health problems.

Economics (Professor Joseph P. Newhouse, Chair). The concentration in economics focuses on the economic behavior of individuals; providers; insurers; and federal, state, and local governments as their actions affect health and medical care. In addition to examining the literature on health economics, the training emphasizes microeconomic theory; econometrics;



public finance; industrial organization; labor economics; and interactions with other disciplines, including clinical medicine. This concentration prepares students for research and teaching careers as health economists.

Ethics (Professor Allan M. Brandt, Chair). The ethics concentration integrates quantitative and qualitative approaches to the analysis of ethical issues in health policy and clinical practice. Students in this track will focus on developing skills in a range of disciplines, with the goal of evaluating, through empirically-based research, how moral, ethical, and socio-cultural values shape health policies as well as clinical practices.

Management (Professor Gary Pisano, Chair). The management track concentration prepares students to do research on the organizational, managerial, and strategic issues facing health care providers, payers, and other players in the health care market. Students in this track will learn how theories and concepts from fields such as technology and operations management, organizational behavior, organizational economics, and competitive strategy can be applied to health care organizations. Students in this track should have a strong interest in pursuing research on such issues as the design and improvement of health care delivery processes, approaches for improving health care quality and productivity, the development and adoption of new medical technologies, financial incentives in health care, the new role of patients as consumers in health care, the appropriate ownership structure of hospitals and other health care providers, and the management of professional health care staffs.

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.

Statistics and Evaluative Science (Professors Barbara J. McNeil and Professor Stephen B. Soumerai, Co-chairs). The concentration in statistics and evaluative science includes statistics and probability, and quantitative methods in biometry, economics, epidemiology, psychology, and sociology. This training enables students to design experiments and surveys, to perform health outcome assessment studies, to develop statistical models and analyses to evaluate these



studies, and to make statistical inferences from observational data sets that arise from health policy and medical care processes. This concentration prepares students to evaluate alternative policy options in health care.

Applications: The application deadline is December 15th for admission in the following fall. To request admissions material, applicants should contact the Harvard University Graduate School of Arts and Sciences, Byerly Hall, 8 Garden Street, Cambridge, MA 02138—(617) 495-5315 — or visit the Graduate School of Arts and Sciences web page (www.gsas.harvard.edu/admissions) to apply on-line or to request an application. Important additional information on financial aid and other aspects of the Ph.D. Program in Health Policy is available from Joan P. Curhan, Director, Ph.D. 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

Primarily for Graduates

Health Policy 2000 (formerly Health Policy 2000hf). 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 and HCP-598.

***Health Policy 3000. Doctoral Dissertation Research**

Catalog Number: 8422

Members of the Committee on Higher Degrees in Health Policy

Half course (fall term; repeated spring term). Hours to be arranged.

Dissertation research.

***Health Policy 3002. Graduate Reading Course: Mental Health Policy**

Catalog Number: 3528

Richard G. Frank (Medical School) 1371 and Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (throughout the year). Hours to be arranged.

***Health Policy 3010. Graduate Reading Course: Ethics**

Catalog Number: 9241

Allan M. Brandt 3031

Half course (fall term; repeated spring term). Hours to be arranged.

***Health Policy 3020. Graduate Reading Course: Political Analysis**

Catalog Number: 3781



Robert J. Blendon 2712

Half course (fall term; repeated spring term). Hours to be arranged.

The purpose of this research seminar is to provide a forum for the presentation and discussion of research concerning the politics surrounding health policy and problems. Participants will discuss recent examples of research from a range of methodological approaches and will present their own work-in-progress. Graduate students, faculty, and visiting scholars are welcome to present research at all stages of the research process. Occasionally, speakers will be invited to present.

***Health Policy 3030. Graduate Reading Course: Organizational Behavior**

Catalog Number: 1826

Paul D. Cleary (Medical School) 2713

Half course (fall term; repeated spring term). Hours to be arranged.

Cross-listed Courses

Economics 2460 (formerly Economics 2910). The Health Economics Workshop

***Economics 3460chf. Research in Health Economics**

General Education 186. Introduction to Health Care Policy

[Quantitative Reasoning 24. Health Economics]

The Interfaculty Initiative offers support for the study of health policy by undergraduate students concentrating in departments or committees. 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

Emmanuel K. Akyeampong, Professor of History

Peter C. Alegi, Lecturer on History

Sven Beckert, Dunwalke Associate Professor of American History

Thomas N. Bisson, Henry Charles Lea Professor of Medieval History

David Blackbourn, Coolidge Professor of History (*Chair*)

Ann M. Blair, John L. Loeb Associate Professor of the Social Sciences

Daniel V. Botsman, Assistant Professor of History



Joyce Elizabeth Chaplin, Professor of History
 John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs and Director of the David Rockefeller Center for Latin American Studies (*on leave fall term*)
 Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*Head Tutor*)
 Jeffrey Randall Collins,
 Catherine A. Corman, Assistant Professor of History (*on leave 2000-01*)
 Ruth Feldstein, Assistant Professor of History and of History and Literature (*on leave 2001-2002*)
 Brett Flehinger, Lecturer on History (*Assistant Head Tutor*)
 William E. Gienapp, Harvard College Professor and Professor of History
 Andrew Gordon, Professor of History
 Peter C. Gordon
 James Hankins, Professor of History (*on leave spring term*)
 Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies
 Patrice Higonnet, Robert Walton Goelet Professor of French History
 Akira Iriye, Charles Warren Professor of American History
 Christopher P. Jones, George Martin Lane Professor of the Classics and of History (*on leave spring term*)
 Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
 Edward L. Keenan, Andrew W. Mellon Professor of History and Director of Dumbarton Oaks
 William C. Kirby, Edith and Benjamin Geisinger Professor of History and Director of the Asia Center
 Mark A. Kishlansky, Frank B. Baird, Jr. Professor of History
 James T. Kloppenberg, Professor of History
 Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations
 Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History (*on leave 2000-01*)
 Fred M. Leventhal, Visiting Professor of History (*Boston University*) (*spring term only*)
 David Kellogg Lewis, Visiting Professor of Afro-American Studies and of History (*Rutgers University*) (*spring term only*)
 Eric Lohr, Assistant Professor of History
 Charles S. Maier, Krupp Foundation Professor of European Studies
 Jane E. Mangan, Assistant Professor of History
 Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences (*on leave fall term*)
 Ernest R. May, Charles Warren Professor of American History
 Michael McCormick, Professor of History
 Lisa M. McGirr, Associate Professor of History
 Rebecca Mary McLennan, Assistant Professor of History and of Social Studies
 Roy Mottahedeh, Gurney Professor of History (*on leave fall term*)
 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 and Dean for Undergraduate Education
 Marshall T. Poe, Visiting Associate Professor of History
 Eric W. Robinson, Assistant Professor of the Classics and of History (*on leave 2001-2002*)
 Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History



Stephan Thernstrom, Winthrop Professor of History

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics (*on leave 2000-01*)

Susan Wyly-Jones, Lecturer on History

Other Faculty Offering Instruction in the Department of History

Bernard Bailyn, Adams University Professor and James Duncan Phillips Professor of Early American History, Emeritus

Peter K. Bol, Harvard College Professor and Professor of Chinese History (*on leave fall term*)

Harold Bolitho, Professor of Japanese History

Albert M. Craig, Harvard-Yenching Research Professor of History

Charles Donahue, Jr., Professor of Law (*Law School*)

Carter J. Eckert, Professor of Korean History, Director of the Korea Institute (*on leave spring term*)

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Donald Fleming, Jonathan Trumbull Research Professor of American History

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities

David Sumner Hall

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies

Stanley Hoffmann, Paul and Catherine Battenwieser University Professor (*on leave fall term*)

Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)

Nino Luraghi, Assistant Professor of the Classics

Muhsin S. Mahdi, James Richard Jewett Professor of Arabic

Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)

John E. Murdoch, Professor of the History of Science

Richard Pipes, Frank B. Baird, Jr. Research Professor of History

Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Courses numbered 10–999 are Primarily for Undergraduates; courses numbered 1000–1999 are for Undergraduates and Graduates. These are distributed as follows:

1050–1099 Ancient History

1101–1289 Medieval History

1300–1599 Modern Europe

1600–1729 United States

1730–1799 Canada and Latin America



1800–1929 Asia, Africa, and Australasia

1930–1999 Comparative History and Historiography

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.

The fact that attention is called to courses offered in other departments does not necessarily mean that such courses may be counted for undergraduate concentration in History. A full list of courses that may be counted for concentration is available in the Office of the Head Tutor, as well as a list of areas to which specific courses have been assigned for distribution.

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

Mark A. Kishlansky, Lisa M. McGirr, and Laurel Thatcher Ulrich

Half course (fall term). Tu., through Th., 10-12, or 2-4. EXAM GROUP: 3, 4, 12, 13

Introduction to the ways in which historians recreate the past. Students will read prototypes of historical genres and write their own histories in alternating sessions. Discussion sections and small tutorials.

Note: Required of, and limited to, all History concentrators in the fall term of their sophomore year.

***History 98a (formerly History 98). Honors Research Seminar**

Catalog Number: 3556

Michael McCormick and staff

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

History Tutors

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. Hours to be arranged.

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.

[*History 90b. Major Themes in Early Modern European History]

Catalog Number: 1833

Half course (spring term). Hours to be arranged.

An overview of the main issues of early modern historiography.

Note: Expected to be given in 2001–02.

***History 90c. Major Themes in Modern European History**

Catalog Number: 5303

Charles S. Maier



Half course (spring term). W., 2–4.

Discusses major themes in Modern European history.

***History 90d. Major Themes in Western Intellectual History**

Catalog Number: 4955

James T. Kloppenberg

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Major questions of substance and approach in the study of Western intellectual history will be explored through some secondary and many primary readings grouped around the following themes: the definition of the Enlightenment; a question in intellectual biography; and theories of education from Locke to Dewey.

***History 90e. Major Themes in American Historical Writing**

Catalog Number: 4577

Joyce Elizabeth Chaplin and Brett Flehinger

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An examination of critical themes in American historical writing from the late 19th century to the present. Students will read selections from classics in American historiography and will examine debates among historians on some of the most important issues in U.S. history. Among the themes explored will be the frontier; the origins of the American Revolution; labor in the ante-bellum period; and the legacies of the Cold War.

***History 90f. International Relations**

Catalog Number: 4422

Akira Iriye

Half course (spring term). Th., 2–4.

Major themes in modern international history.

***History 90g. Major Themes in World History: Imperialism, Colonial Nationalism, and Independence in Africa, The Americas, and Asia**

Catalog Number: 0119

John H. Coatsworth and staff

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A general introduction to theories of imperialism, nationalism, and the process of decolonization; case studies will include examples from the African, Asian, and Latin American context. Will combine the study of theory with an examination of particular anti-colonial, anti-slavery, and anti-imperialist movements.

[*History 90h. Major Themes in Comparative North American and Latin American History: Culture, Class, and Politics]

Catalog Number: 4232

Half course (spring term). Hours to be arranged.

A broad introduction to the different ways in which culture, class, and politics have historically happened in British and French North America (eventually Canada and the U.S.) and Latin



America.

Note: Expected to be given in 2001–02.

***History 90i (formerly History 90x). Major Themes in Ancient History**

Catalog Number: 4922

Eric W. Robinson

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

An overview of some of the major issues in Greco-Roman history, with special attention given to the methodologies of the ancient historian.

Introductory Courses

Primarily for Undergraduates

History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650

Catalog Number: 0213

James Hankins and Eric W. Robinson

Half course (fall term). M., W., (F.), at 12, plus a discussion section to be arranged. EXAM GROUP: 5

A survey of Mediterranean and West European societies from Greco-Roman antiquity to the Scientific Revolution.

Note: Required of all history concentrators.

History 10b. Western Societies, Politics, and Cultures: From 1650 to the Present

Catalog Number: 0262

David Blackbourn

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Second half of a survey of European history from the first cities and empires to modern times. Also treats some major aspects of the history of the Americas insofar as they form part of overarching Western developments. Topics include absolute monarchy and enlightened despotism; the Enlightenment and age of revolutions; industrialization and nation building; imperialism and the world wars; cultural and social change; the rise and fall of totalitarian regimes.

Note: Required of all history concentrators.

History 71a. America: Colonial Times to the Civil War

Catalog Number: 6647

Susan Wyly-Jones

Half course (fall term). M., W., at 10, plus one hour to be arranged. EXAM GROUP: 3

Covers American history from the period of colonial settlement to the Civil War. Topics include the collision of European, African, and native cultures in the age of settlement; colonial British North America; the American Revolution; geographic expansion and social, economic, and cultural change in the Jacksonian era; and slavery and the sectional conflict.

History 71b. The Rise of Modern America, 1865 to Present

Catalog Number: 7671



Sven Beckert

Half course (spring term). Tu., Th., at 11, plus one hour to be arranged. EXAM GROUP: 13

An introduction to American history from the end of the Civil War to modern times, paying particular attention to the question of how the U.S. turned into the world's leading economic and military power. Topics will include the reconstruction of the U.S. after the Civil War; the economic and social effects of the Second Industrial Revolution; the crisis of the 1930s and the expansion of the federal state; the global conflicts of the 20th century as well as the struggles of women and African-Americans for equality.

Note: Directly follows History 71a, but may be taken independently.

Ancient History

For Undergraduates and Graduates

See also Classical Archaeology 180 and 181.

[History 1071. Introduction to Greek History]

Catalog Number: 6112

Eric W. Robinson

Half course (spring term). Hours to be arranged.

An introduction to Greek political, military, social, and cultural history from the Bronze Age to the death of Alexander the Great.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

[History 1085. The Roman Empire, Augustus to Constantine]

Catalog Number: 3109

Christopher P. Jones

Half course (spring term). 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 omitted in 2001–02. Expected to be given in 2002–03. Given in alternate years.

[History 1088. The Mediterranean, Alexander to Antony]

Catalog Number: 1619

Christopher P. Jones

Half course (spring term). Hours to be arranged.

Follows the history of the Mediterranean from the reign of Alexander the Great to the battle of Actium, including the establishment of the Successor Kingdoms after Alexander's death, and their gradual decline under internal and external pressures; the interaction between the growing power of Rome and other Mediterranean states, especially Carthage; and the transformation of the Mediterranean into a Roman lake in the last two centuries B.C.E. 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 2001–02. Given in alternate years.

Cross-listed Courses

[Classics 140. The Fall of the Roman Republic]

Classics 143. The Peloponnesian War

Classics 144. The Roman Republic

[Classics 145. Ancient Greek Tyranny]

Classics 258. Democracy Outside Athens

Historical Study B-04. Ancient Greek Democracy

Historical Study B-09. The Christian Revolution

[Latin 115. Tacitus]

Primarily for Graduates

A special program with Brown University opens courses in ancient history at Brown to any graduate student enrolled at Harvard.

Medieval and Renaissance History

For Undergraduates and Graduates

See also Committee on Medieval Studies. Students are also directed to Divinity School course #2283, The Image as Historical Evidence.

History 1101. Medieval Europe

Catalog Number: 4278

Michael McCormick

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

The formation of a European civilization from the conversion of Constantine to the 15th century, Germanic settlements; Carolingian order; power, violence; salvation; crusades; heresy; peasants; knights; gender; monks; friars; a saint-king; schism; the Hundred Years' War. Stress on France, Germany, Italy and Spain.

Note: Given in alternate years. Students prepared to pursue special topics can be accommodated.

[History 1111. World of Late Antiquity]

Catalog Number: 6019

Michael McCormick

Half course (spring term). Hours to be arranged.

Studies the changes, violent or subtle, that transformed the late Roman world—the fall of the Roman Empire—to produce medieval civilization between ca. 300 and 700. Topics include the imperial meritocracy; Constantine's conversion; the coming of the barbarians; sports, propaganda, and political belief; women and power. Emphasizes reading of primary texts in translation.

Note: Expected to be given in 2001–02.



History 1133. Medieval England (ca. 871–1485)

Catalog Number: 7756

Thomas N. Bisson

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

English (and other insular) societies, cultures, and institutions from Anglo-Saxon times to the accession of the Tudors. Stress on the Norman conquest and its social consequences, constitutional innovation and the crisis of Magna Carta, the formation of political culture and the origins of Parliament, and economic change, agrarian disorder, culture, and war in the later Middle Ages.

Note: Given in alternate years. Normally alternates with Medieval Studies 117.

[History 1136. Romanesque Southern France (800-1250)]

Catalog Number: 0563

Half course (spring term). Hours to be arranged.

The rise, collapse, and significance of a distinctive medieval civilization. From prosperity to crisis in Provence, Toulouse, and Aquitaine; the rise of Catalonia to Mediterranean hegemony. Stress on power, faith, and Romanesque cultures (stone and song); interfaith encounter; and mercantile-urban transformation. Input from colleagues in Art, Music, Romance Languages, Jewish Studies.

Note: Expected to be given in 2001–02.

[History 1141. Medieval Thought: Conference Course]

Catalog Number: 5096

James Hankins

Half course (spring term). Hours to be arranged.

Intellectual history of Western Latin Christendom from the 5th to the 14th century of our era.

Note: Expected to be given in 2001–02.

Prerequisite: One course in medieval history or the equivalent.

History 1150. The Jews in Muslim and Christian Spain

Catalog Number: 5331

Bernard Septimus

Half course (fall term). 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

Half course (fall term). Hours to be arranged.

Examines the economic, social, and political developments in the Mediterranean basin during a critical period. Investigates patterns of economic dominance, trade patterns, forms of



colonization, the function of the merchant groups in Venetian, Genoese, Byzantine, and Muslim societies. The development of shipping, maps, and financial and commercial techniques is discussed; travel, war, and politics are also examined in their relation to economic and social developments.

Note: Expected to be given in 2001–02.

History 1166. Family, Sex, and Marriage in Western Europe 1300-1700: Conference Course

Catalog Number: 2725 Enrollment: Limited to 15. Limited to 15, with equal access to upperclass concentrators and beginning graduate students.

Steven Ozment

Half course (spring term). Th., 2–4.

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: May be taken for seminar credit by graduate students.

[History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course]

Catalog Number: 6078

Angeliki E. Laiou

Half course (spring term). Hours to be arranged.

An examination of Byzantine society from the time of the Iconoclastic controversy until the conquest of Constantinople by the participants of the Fourth Crusade. Topics will include state ideology and diplomacy, social structure, the formation of the aristocracy, the economy, urban and rural life, the role of women, relations with Western Europe and the Muslim world, art and culture. Considerable emphasis will be given to primary sources (in translation).

Note: Expected to be given in 2001–02.

Cross-listed Courses

Celtic 115. Kingship in Pre-Norman Ireland

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[Historical Study B-11. The Crusades]

[Historical Study B-18. The Protestant Reformation]

[Historical Study B-19. The Renaissance in Florence]

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]

[Medieval Studies 117. Constitutional and Legal History of Medieval England]

Primarily for Graduates

History 2101. Medieval Societies and Cultures: Proseminar

Catalog Number: 6693

Thomas N. Bisson

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17



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: A reading knowledge of French and/or German.

History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean

Catalog Number: 5011

Michael McCormick

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Communications, travel, and commerce in the early medieval Mediterranean from the death of Justinian to the Arab conquest of Carthage (A.D. 698). Themes may include pilgrimage, the movement of disease and of ideas, the impact of Islam, the archaeology of commerce in this era. Meetings will include close philological and historical analysis of relevant Latin sources, and research papers by participants.

Note: Latin, with either German or French, is required.

[*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.

Topic for 2000: When does the 12th century begin? Readings in narratives, charters, letters.

Note: Expected to be given in 2001–02. Admission by advanced permission only.

Prerequisite: History 2101 or Medieval Studies 101; Latin and French or German.

[History 2126. Medieval Law]

Catalog Number: 3140

Charles Donahue, Jr. (Law School)

Half course (spring term). Hours to be arranged.

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 2000: the Roman-canonical tradition.

Note: Expected to be given in 2001–02. Some Latin required.

[History 2271r. Topics in Byzantine History: Seminar]

Catalog Number: 3868

Angeliki E. Laiou

Half course (spring term). Hours to be arranged.

Reading knowledge of Greek, French and/or German.

Note: Expected to be given in 2001–02.



[*History 2353 (formerly History 2251). Topics in Pre-Petrine History: Seminar]

Catalog Number: 6526

Edward L. Keenan

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02. Open to qualified undergraduates by permission of instructor.

Prerequisite: Reading knowledge of Russian; History 1353 or equivalent.

[History 2375. Popular Culture in Renaissance and Reformation Europe (1350–1650)]

Catalog Number: 3100

Steven Ozment

Half course (spring term). Hours to be arranged.

Research seminar requiring an original paper. Problems of method and sources will be discussed, as will selected monographic literature. For advanced students with some historical knowledge of the area of their paper and linguistic skills needed to master the sources.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

Modern European History

For Undergraduates and Graduates

History 1302. Germans and Their History: From Tacitus’s “Germania” to Hitler’s “Table Talk”: Conference Course

Catalog Number: 3554

Steven Ozment

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An analytical period survey addressing questions about Germany between Antiquity and the 20th century. Focus on the centuries between 1300 and 1900—the most formative for modern German history—the course will also reach back to the first century C.E. and forward into the 20th in search of comparable interactions in the material, political, and cultural life of Germans in different ages.

History 1309. History in Early Modern Europe: Conference Course

Catalog Number: 6583

Ann M. Blair

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course will examine the cultural significance of history as a discipline and as practice in Europe from the Renaissance to the Enlightenment. We will consider the nature and purposes of different kinds of historical writing and the ways in which histories were read and used. Histories were written to justify disciplines, states and religions; at the same time historical research prompted the development of new scholarly methods and subdisciplines. Emphasis on reading from primary sources including Machiavelli, Guicciardini, Francis Bacon, Voltaire and Gibbon.

[History 1318. History of the Book and of Reading]

Catalog Number: 7410

Ann M. Blair



Half course (spring term). Hours to be arranged.

A general introduction to this new area of cultural history, centered on the book and its functions as both material object and text. Major themes to include the techniques of book production, authorship, popular and learned readership, libraries and censorship. Within its broad span from antiquity to cyberspace, the course will have a special focus on printing and developments in early modern Europe (notably in France, 16th to 18th centuries). Readings from primary and secondary sources, including St. Augustine, Montaigne, Balzac; Chartier, Darnton, and Foucault.
Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

[History 1331 (formerly History 1413). Shakespeare's England 1550–1700]

Catalog Number: 8877

Mark A. Kishlansky

Half course (spring term). Hours to be arranged.

Focuses on the social and economic history of Early Modern England. Topics include demography; agriculture; families; hierarchy, patriarchy, and gender; London and urbanization; the rural community; poverty; and law.

Note: Expected to be given in 2002–03. Two lectures per week and a mandatory discussion section. Discussions center on primary materials or historiographical controversies.

History 1332. British History, 1688-1815

Catalog Number: 0475

Jeffrey Randall Collins

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to British history from the Glorious Revolution through the victory over Napoleon. Topics will include the evolution of monarchy and the constitution; the rise and breakup of the first British Empire; war and the development of national identity; the English Enlightenment; and cultural developments such as the “sentimental revolution”.

History 1334. England in the Tudor Age

Catalog Number: 9170

Jeffrey Randall Collins

Half course (spring term). M., W., at 11. EXAM GROUP: 4

This course will survey the history of England under the rule of her most celebrated dynasty: the Tudors (1485-1603). Major topics will include: the Wars of Roses and the establishment of the Tudor dynasty; the English Renaissance; the Reformation and the Marian Counter-Reformation; the court cultures of Henry VIII and Elizabeth I; warfare in France and on the Celtic fringe; exploration and the origins of the British empire.

[History 1335 (formerly History 1409). England in the 17th Century, 1603–1689]

Catalog Number: 6018

Mark A. Kishlansky

Half course (fall term). Hours to be arranged.

Explores the political history of England from the reign of James I to the Revolution of 1689. Major topics include local government and the organization of local society; religious controversies; hierarchy and monarchy; the history of Parliament; the origins and course of the English Revolution; the Restoration and the Revolution of 1688–89. Readings include works of



the most significant modern historians as well as sources drawn from the rich writings of the period.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

History 1336. The Reign of Charles I: Conference Course

Catalog Number: 1531 Enrollment: Limited to 12.

Mark A. Kishlansky

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

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 1342. Russian History to 1725

Catalog Number: 6061

Marshall T. Poe

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

This class is intended to give a broad understanding of the course of East Slavic history from the formation of the Kievan Rus' state (10th century) to the end of the Petrine era (1725). Major periods/areas covered include: Kievan Rus'; the Mongol Era; Northern Rus' (Novgorod); Western Rus' (Lithuania, Chernigov, Volynia); Northeastern Rus' Muscovy); the Tatar Khanates; the rise of Muscovy; Muscovite society and culture; the Time of Troubles; the building of the "Russian" Empire; "Westernization" and its fallout; the Petrine Reforms.

History 1343. The Russian Empire in Comparative Perspective: Conference Course

Catalog Number: 7319

Marshall T. Poe

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course will investigate the development and dynamics of the Russian Empire, 1450-1800, in comparative historical perspective. It is often said that Russian history is marked by peculiarities not found in the histories of other European and Asian countries. This course will explore the question of a Russian "special way" by comparing early modern and modern Russia to major states in the Eurasian sphere, for example, the Habsburg Empire, England, France, and the Ottoman Empire. Other comparisons will be considered in accordance to the wishes and specialities of the participants.

[History 1353 (formerly History 1251 and 1551). Medieval and Early Modern Russia]

Catalog Number: 5173

Edward L. Keenan

Half course (spring term). Hours to be arranged.

A survey of Muscovite history, 1400–1700, with appropriate attention to Kievan and Mongol periods.

Note: Expected to be given in 2001–02.

[History 1417 (formerly History 1329). Italy Since 1796]

Catalog Number: 8146



Charles S. Maier

Half course (spring term). Hours to be arranged.

Examines the emergence of politics and civil society in Italy from the stirrings of Enlightenment reform, the impact of the French Revolution and Napoleon, the Risorgimento and unification of the successive liberal, fascist, and democratic regimes. Themes of importance include the condition of the peasantry and the Southern Question, economic development, Fascism, Communism, social movements and terrorism, and the current reorientation of political blocs.

Note: Expected to be given in 2001–02.

[History 1431 (formerly History 1468). 19th-Century Britain]

Catalog Number: 3665

Half course (spring term). Hours to be arranged.

British history from the Napoleonic Wars to the beginning of World War I. Major topics include political reform, industrial development and its social and economic consequences, changing attitudes toward gender and social class, and Britain's relationship with its colonies. Readings will include primary texts by Carlyle, Engels, Mill, Nightingale, and Trollope, as well as a variety of works by modern historians.

Note: Expected to be given in 2001–02.

History 1432 (formerly History 1401). 20th-Century Britain

Catalog Number: 0288

Fred M. Leventhal (Boston University)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

British history from the Boer War through the Blair administration. Explores the source and nature of political change; the experience and impact of the two World Wars; imperial rule and its aftermath; and social and cultural movements. Readings include works by H.G. Wells, E.M. Forster, George Orwell, and John Osborne. Occasional films accompany this course.

History 1438. War and Society in 20th-Century Britain: Conference Course

Catalog Number: 8553

Fred M. Leventhal (Boston University)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of the social and cultural impact of the two World Wars on Britain, with particular attention to state intervention in British society, the changing role of women, the soldiers' experience, and the literary response. Sources will include memoirs, wartime documents, speeches, broadcasts and films, as well as recent historiography.

[History 1450. France 1500–1715]

Catalog Number: 7575

Ann M. Blair

Half course (spring term). Hours to be arranged.

A general survey of the history and historiography of early modern France ca. 1500–1715, with a special emphasis on topics in cultural history, including: humanism and printing; Protestantism; political thought; royal and court rituals; and the beginnings of the Enlightenment. Assigned readings from Rabelais, Montaigne, Pascal, Racine, and Voltaire among the primary sources;



from Fernand Braudel, Natalie Davis, Robert Darnton among the secondary sources. All assignments in English, but interested students have the option of doing primary source readings in French.

Note: Expected to be omitted in 2001–02. Expected to be given in 2003–04.

History 1451 (formerly History 1470). The History of France from Louis XIV to Charles deGaulle

Catalog Number: 6683

Patrice Higonnet

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

The history of France from the French Revolution to our own day.

[History 1462. French Politics, History, and Culture From 1780–1871: Conference Course]

Catalog Number: 1000

Patrice Higonnet

Half course (fall term). Hours to be arranged.

An examination of France's revolutionary traditions and their relationship to literature (Stael, Constant, Stendhal, Balzac, and Flaubert), French art (David, Delacroix, Manet), and French architecture (Ledoux, Viollet le Duc, Garnier).

Note: Expected to be given in 2001–02.

[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 2001–02.

History 1466. Vichy France: Conference Course

Catalog Number: 8154

Patrice Higonnet

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course will cover the background of the Vichy years and the legacy of 1789; military affairs; Vichy's social policy; Vichy, the Germans and the Jews; Vichy and Free France; and the legacy of the Vichy years.

[History 1475 (formerly History 1501). History of 19th-Century Germany]

Catalog Number: 6919

Half course (fall term). Hours to be arranged.

Examines political, social, economic, and cultural history of Germany from ca. 1780 to 1914. Attention paid to the revolutions of 1848; unification under Bismarck; the role of the state; patterns of industrialization; the development of mass politics; and the coming of World War I.

Note: Expected to be omitted in 2001–02. Expected to be given in 2003–04.



History 1476. Enlightenment and Dialectic: Conference Course

Catalog Number: 6048

Peter Eli Gordon

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

An examination of Adorno and Horkheimer’s “Dialectic of Enlightenment,” the single most powerful and sobering 20th-century reflection on the critical relevance as well as the critical dangers of the Enlightenment broadly construed. Will reflect on the broader questions raised by the Enlightenment and its legacy. Preparatory texts include Lessing’s 18th-century tolerance drama “Nathan the Wise,” Mozart’s opera “The Magic Flute,” along with selections from Kant, Mendelssohn, Hegel, Weber, Freud, Benjamin, and de Sade.

History 1480. World War I, Empires and Revolution: Conference Course

Catalog Number: 1741

Eric Lohr

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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.

History 1485. Weimar Intellectuals and the Challenge of Modernity: Conference Course

Catalog Number: 7638

Peter Eli Gordon

Half course (fall term). Th., 1–3; W., 6:30–8:30 p.m. EXAM GROUP: 15, 16

The Weimar Republic (1919-1933) was an era of unprecedented fecundity in German intellectual life. This course provides a survey of the strategies by which Weimar intellectuals reflected upon and thus attempted to manage the various stresses of modernity—urbanity, technology, new modes of mass politics and new techniques of artistic expression. Four units will be covered: the crisis of the political; urbanism and anxiety; technophilia and technophobia; and Marxism and Utopia. Readings will include Carl Schmitt, Thomas Mann, Oswald Spengler, Karl Mannheim, Walter Benjamin, Siegfried Kracauer, Ernst Jünger, Ernst Bloch, Theodor Adorno, and Martin Heidegger.

[*History 1491 (formerly *History 1472). Religion and Popular Culture in 19th-Century Europe: Conference Course]

Catalog Number: 6681 Enrollment: Limited to 15.

David Blackbourn

Half course (spring term). Hours to be arranged.

Explores the relationship between social and political change and popular religious practice from the French Revolution to the First World War. Considers methodological problems in the study of religion and popular culture; religious revivals and popular politics; pilgrimages and prophetic movements; the relationships between class, gender, and religious culture; the feminization of religion, and the origins and resistance to the secularization of state and society. Readings include primary documents and secondary texts.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 2265.



[History 1492 (formerly History 1345). Gender and the State in an Era of Mass War: Conference Course]

Catalog Number: 3597

Susan Pedersen

Half course (spring term). Hours to be arranged.

Explores the impact of total war, technological innovation, and political change on gender relations in Western Europe between 1914 and the early fifties. Topics include the destabilization of gender relations in wartime; the cultural anxieties of aftermath; pronatalism, eugenics, and efforts to “rationalize” the domestic sphere; women’s identities, organizations, and lives under fascism and Nazism; policies toward the family in the postwar settlement. Readings cover Britain, France, Germany, and Italy.

Note: Expected to be given in 2001–02.

***History 1494. The Second British Empire: Conference Course**

Catalog Number: 3842 Enrollment: Limited to 15.

Susan Pedersen

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course explores the course and nature of the British Empire from the late 18th century until the period after World War II. Three main issues are addressed: the character and causes of imperial expansion; the nature and impact of imperial rule; and the process of decolonization. Using essays, diaries, letters, fiction, artistic representations and film, students seek to understand both the imperial experiences of particular colonies and the creation of an “imperial culture” within Britain itself.

History 1502. Imperial Russia

Catalog Number: 2440

Eric Lohr

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

Course surveys major themes in the history of the Russian Empire from Peter the Great to the collapse of the old regime in 1917. Readings include historical narratives, documents and novels. The course seeks to understand the structures of the diverse society which made up the empire, the growth and modernization of the empire, and the tensions within the system toward its collapse.

History 1505. Nation, State, and Empire in Russian History

Catalog Number: 4756

Marshall T. Poe

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

This course will explore the rise, history, and fall of the Russian empire from the Muscovite period to approximately 1991. Emphasis will be focused on the tension between “Russian,” “imperial,” and (non-Russian) “ethnic” identity. Topics covered include: the formation of the Muscovite state; the building of the multi-national Muscovite empire; the formation of a “Russian imperial” identity in Petrine times; Russian interactions with Siberia, the Baltic states, Belarus’, Ukraine, the Caucasian people, Tatars, Caucasian peoples in the modern period.



[History 1511 (formerly History 1537). 19th-Century Ukraine]

Catalog Number: 3540

Roman Szporluk

Half course (fall term). Hours to be arranged.

Survey of the history of Ukraine from the end of the 18th century to 1905. Ukraine's place in Russian, Polish, and Austrian history. The Ukrainian national awakening in a comparative perspective of national movements in 19th-century Europe.

Note: Expected to be given in 2001–02.

History 1512 (formerly History 1541). 20th-Century Ukraine

Catalog Number: 6723

Roman Szporluk

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

What is Ukrainian history?—an introduction to main themes. Ukrainians in Russia and Austria-Hungary before 1914. Russian and Polish views of Ukraine: historical tradition and modern politics. The First World War and the Ukrainian Question; Ukraine in 1917–22. Ukraine in the U.S.S.R., 1922–39. Ukrainians in Poland, Czechoslovakia, and Romania. Ukraine in 1939–45. Postwar Stalinism. From Destalinization to Independence.

History 1515 (formerly History 1542). States and Nations: 1905-1991: Conference Course

Catalog Number: 7550 Enrollment: Limited to 15.

Roman Szporluk

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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.

History 1516. Nation Formation in East Europe, 1795-1921: Poland, Russia, Ukraine

Catalog Number: 5843

Roman Szporluk

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An examination of the making and remaking of nations in East Europe, focusing on the three interrelated cases of Poland, Russia, and Ukraine. This survey of intellectual and political history extends from the partitions of Poland by Russia, Austria, and Prussia to socialist and nationalist revolutions of 1917-1920 and the territorial and political settlement of 1919-1921.

History 1531. History of the Soviet Union, 1917–1991

Catalog Number: 4501

Terry D. Martin

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Examines the history of the Soviet Union from its establishment with the 1917 Russian Revolution through to its collapse after Gorbachev's unsuccessful reforms in 1991. Special attention will be devoted to the period of high Stalinism (1928-53), when the abolition of the market, nationalization of all industry and land, rapid industrialization and political terror created a distinct Soviet society and culture. Readings will consist mostly of primary sources: novels, short stories, memoirs, Soviet propaganda, diaries, underground essays, songs, jokes, etc.



[History 1532. Everyday Life in the Soviet Union: Conference Course]

Catalog Number: 7916

Terry D. Martin

Half course (fall term). Hours to be arranged.

How did ordinary people live in a totalitarian state? Examines distinctive features of Soviet culture and society through the prism of everyday life. Topics include friendship, family, gender, work, survival tactics, terror, denunciation, nepotism, drinking, sex, humor. Readings will include novels, memoirs, Soviet propaganda, diaries, movies, jokes.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

History 1533. The Modern Police State

Catalog Number: 4942

Terry D. Martin

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Examines the role of the secret police in the Soviet Union, Nazi Germany and Communist East Germany. Comparisons will also be made with other Communist states and modern dictatorships. Topics include the surveillance of the population, informers and denunciation, collaboration and resistance, hiding one's identity, censorship, popular communication, political terror, violence, forced labor and strategies for coming to terms with the legacy of the police state.

History 1537. Stalinism and Nazism: Conference Course

Catalog Number: 0631

Terry D. Martin

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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.

History 1540. Revolutionary Russia, 1890's-1921

Catalog Number: 8056

Eric Lohr

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

An analysis of one of the most important events of the 20th century—the Russian Revolution. Examines the political, national, social and intellectual upheavals in the Russian Empire from the end of the 19th century through the 1905 and 1917 Revolutions, to the establishment of the Soviet Union.

History 1542. The Russian Intelligentsia and Its Controversies: Conference Course

Catalog Number: 2123

Eric Lohr

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

The intelligentsia, its emergence, ethos and place in Russian society. Examines selected major intellectual controversies and debates from the late 18th century to the early 20th century.



History 1585. Jews in Modern Times: From the French Revolution to the Emergence of Israel

Catalog Number: 7024

Jay M. Harris

Half course (fall term). M., W., at 12. EXAM GROUP: 5

The politics and impact of emancipation in Western and Central Europe; religious and secular responses in the early 19th century; economics, demography, urbanization, and migrations; development of modern anti-Semitism; Jewish life in Eastern Europe; intellectual and demographic trends; Zionism; the American experience; the rise of the state of Israel.

Primarily for Graduates

History 2310. Problems in Late Medieval and Early Modern Europe 1250-1750: Seminar

Catalog Number: 9057

Steven Ozment

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Directed reading and writing in European politics, society, and culture. For field exam candidates, senior thesis writers, and graduate students writing dissertations.

Note: Open to advanced undergraduates with permission of instructor.

[History 2312 (formerly History 2377). The German Family, 1250–1750: Seminar]

Catalog Number: 8806

Steven Ozment

Half course (fall term). Hours to be arranged.

An introduction to research in German family history, including German script, during the late medieval and early modern periods. Requires a basic reading knowledge of modern German. Highly recommended for upper level undergraduates and graduate students seeking to improve their reading knowledge of German and/or prepare for research in German archives. Both group and individual instruction.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

History 2332 (formerly *History 2400). Early Modern England: Seminar

Catalog Number: 7105 Enrollment: Limited to 10. 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 2333. Problems in Modern British History: Seminar]

Catalog Number: 2961

Susan Pedersen

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

History 2342r (formerly History 2462r). The French Revolution: Seminar

Catalog Number: 1914



Patrice Higonnet

Half course (fall term). Hours to be arranged.

The history of Paris during the French Revolution.

History 2354. Topics in Early Modern Russian History: Seminar

Catalog Number: 8081

Marshall T. Poe

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course examines basic issues in the history of early modern Russia, with a focus on the Muscovite period. Topics covered include: the Kievan legacy in Northeastern Rus'; the impact of the Mongols on Muscovy; the rise of Muscovy as the dominant power in Northeastern Rus'; the origins of autocracy; the building of the Russian empire; the reign of Ivan IV; the Time of Troubles; the Muscovite elite; the provincial gentry; the Orthodox Church; peasants and serfs.

History 2472. Republics and Republicanism

Catalog Number: 6622

James Hankins and Harvey C. Mansfield

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Ancient and modern republics studied with a view to republican virtue, civic humanism, constitutions, and democracy. Readings include Aristotle, Machiavelli, Montesquieu, Rousseau, Tocqueville.

Note: Open to 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: May not ordinarily be credited as one of the research seminars required in the first-year program.

History 2475 (formerly History 2378). Problems and Sources in Modern German History: Seminar

Catalog Number: 8355 Enrollment: Limited to 12.

David Blackbourn

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A thematic course dealing with major topics in German history from the middle of the 19th century to the Third Reich. A recurrent question is the relationship of “modern” and “anti-modern” in this period.

Note: Expected to be omitted in 2001–02. Reading knowledge of German not required.

[*History 2511 (formerly *History 2290). 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 2001–02.

History 2531. Stalinism: Seminar

Catalog Number: 7969

Terry D. Martin

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Acquaints students with the available archival and published sources for the study of the Soviet Union from 1917 to 1953. Briefly surveys and examines the recent historical debates concerning the Stalinist state and society. Primary focus will be on writing a major research paper.

[History 2552. 20th-Century European History: Conference Course]

Catalog Number: 3474

Charles S. Maier

Half course (fall term). Hours to be arranged.

On the occasion of the last semester of the 20th century, the course will revisit some of its major historical developments, review interpretations, and attempt to assess continuing significance. Tentative topics to be selected from among the following: European imperialism, the First World War, totalitarian regimes, the Holocaust, modernist and post-modernist cultural stances, political justice and overcoming dictatorship. Seminar credit for students writing substantial research papers.

Note: Expected to be given in 2001–02.

Cross-listed Courses

Historical Study A-27. Reason and Faith in the West

[Historical Study A-70. International History: The Last Century]

[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-57. The Second British Empire]

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

History of the United States

For Undergraduates and Graduates

History 1602. The Frontier in Early America

Catalog Number: 8547

Joyce Elizabeth Chaplin

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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.

History 1603. The Cultural History of the First British Empire

Catalog Number: 3920

Joyce Elizabeth Chaplin

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

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.

[History 1605. Nature in the New World: Conference Course]

Catalog Number: 8763

Joyce Elizabeth Chaplin

Half course (spring term). Hours to be arranged.

Examines the problems that America's physical environment presented (both for theoretical inquiry and in terms of practical experience) during the first three centuries of sustained contact between old and new worlds. Topics include the changing role of science in America, medical and racial theories, attitudes toward wilderness and non-western uses of nature, and the Enlightenment dispute over the "inferiority" of new world flora and fauna. Primary focus on North America.

Note: Expected to be given in 2001–02.

[History 1618. Material Life in Early America]

Catalog Number: 5761

Laurel Thatcher Ulrich

Half course (fall term). Hours to be arranged.

The history of early America through the lens of "material culture" — the ways in which human beings comprehended and altered their physical environment, from John White's watercolors of Roanoke Indians in the 1580s to Alexander Hamilton's census of household manufactures in 1810. Emphasis on the development of distinctive regional economies (the fur trade, plantation agriculture, subsistence farming) and on the intersection of public events with the rhythms and artifacts of ordinary life. Readings drawn from interdisciplinary scholarship in history, historical archaeology, demography, and the decorative arts.

Note: Expected to be given in 2001–02.

History 1620. The Old South

Catalog Number: 4210

Susan Wylie-Jones

Half course (spring term). M., W., at 10. EXAM GROUP: 3

This course will examine the history of the Old South from the nation's founding to the beginning of the Civil War. The lectures and readings will cover many aspects of southern society, politics, economy, and culture. In particular, we will examine how the institution of slavery shaped the lives of slaveholders and nonslaveholders, men and women, free black southerners and the slave community. We will also explore the development of southern



distinctiveness and the growing sectional conflict over slavery that led to the attempt by the southern states to create a separate nation.

[History 1624 (formerly History 1620). Jacksonian America, 1815–1845]

Catalog Number: 5450

Half course (fall term). Hours to be arranged.

An examination of U.S. history during the age of Andrew Jackson, with attention to economic, political, social, and intellectual developments. Topics include the development of a democratic political culture; the process of industrialization; the market revolution and the commercialization of society; workers' lives; changes in the family and women's role; revivalism; the romantic movement; and the beginnings of modern American culture.

Note: Expected to be given in 2001–02.

[History 1632. Gilded Age America: Economy, Society and Politics: Conference Course]

Catalog Number: 4733

Half course (spring 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. Will explore the emergence of a more productive, larger and more centralized economy, new industries, the railroads, the changing face of cities, the social conflict resulting from the unequal distribution of new wealth, and the dramatic economic changes that put strains on the nation's political system.

Note: Expected to be given in 2001–02.

***History 1635 (formerly History 1659 and 90h). Race and Race Relations Since Plessy: Conference Course**

Catalog Number: 4172 Enrollment: Limited to 15.

Stephan Thernstrom

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of the changing position of blacks in American society since disenfranchisement and the creation of the Jim Crow system at the turn of the century. The nature of segregation; the civil rights movement; *Brown v. Board*; the Civil Rights Act of 1964; and the Voting Rights Act of 1965; the crisis of the late sixties; the Kerner report, and the legislative, executive, and judicial initiatives that followed in its wake; trends since the 60's. Readings include court decisions, government reports, monographs, interpretive historical works, and some fiction and autobiography.

History 1637 (formerly History 1611). American Public Life in the 20th Century

Catalog Number: 2043

Brett Flehinger

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

A course covering the major public and political events in America from the administration of Teddy Roosevelt through Ronald Reagan. Focus on both rising national unity and power, as well as persistent racial, gender, and economic division that conflicted with this unity. Topics include: the Progressive Era, New Deal, World Wars, Civil Rights Movement, and Watergate.



History 1638. United States Social History, from 1929 to the Present

Catalog Number: 5967

Stephan Thernstrom

Half course (spring term). Tu., Th., at 10, plus one hour to be arranged for sections.

An analysis of major social changes from the 1920s to the present. Topics include population patterns, industrial growth, urban development, the class structure, ethnic and racial relations, gender roles, and education.

History 1640 (formerly History 1660). The United States since World War II

Catalog Number: 6155

Lizabeth Cohen

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

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.

[History 1642a. U.S. Women's History to 1900]

Catalog Number: 0487

Half course (fall term). Hours to be arranged.

An examination of women's experiences from the colonial period to 1900. Course focuses on women's work, family lives, and activism in light of changing beliefs about women's proper roles and capabilities. Particular attention is paid to variations in women's experiences according to their race, ethnicity, class, and region.

Note: Expected to be given in 2001-02.

History 1642b. U.S. Women and Gender History, Turn of the Century to the Present

Catalog Number: 3607

Ruth Feldstein

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

An examination of women's experiences, and a study of masculinity and femininity as historically specific concepts in 20th-century U.S. history. Topics include sexual practices and beliefs, gender and the welfare state, gender and civil rights activism, and women's liberation.

[*History 1643. The Confederacy: Conference Course]

Catalog Number: 2829 Enrollment: Limited to 15.

William E. Gienapp

Half course (spring term). Hours to be arranged.

An examination of the history of the Confederacy from the secession of the states of the Deep South in the winter of 1861 until the surrender of the Confederacy in 1865. Emphasis will be on developments in the South rather than on the events of the Civil War. Topics will include Jefferson Davis and Confederate politics, the economy and the home front, the destruction of slavery, common soldiers, the internal causes of the Confederacy's eventual defeat, and southern memory of the war.

Note: Expected to be given in 2001-02.



[History 1644. Reconstruction, 1865-1877]

Catalog Number: 8635

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 2001–02.

***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 (formerly History 1711). The United States and East Asia: Conference Course

Catalog Number: 0455

Akira Iriye

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[History 1648. Communication in the Early Nation: Conference Course]

Catalog Number: 7491

Catherine A. Corman

Half course (spring term). Hours to be arranged.

An examination of how print influenced the ways Americans, including women, Indians, and African Americans, communicated and how that communication shaped the nation between 1776 and 1840.

Note: Expected to be given in 2001–02.

[History 1649. The American West: 1780-1930]

Catalog Number: 6636

Catherine A. Corman

Half course (spring term). Hours to be arranged.

History of the American West covering the rise and demise of Turner's frontier thesis; literary and visual conceptualizations of the mythic West; the Northwest Ordinance and the creation of "Indian Country"; land policies in the new nation; the role of Indians in the development of an American market economy; the "first Wests" of Kentucky and Ohio; the growing importance of the Southwest and its peoples; sectionalism, expansion, and the coming of the Civil War; the



Indian New Deal; and the ethnic and racial complexities of a new, urban West.

Note: Expected to be given in 2001–02.

[History 1650a. Foreign Relations of The United States I]

Catalog Number: 3435

Ernest R. May and Akira Iriye

Half course (fall term). Hours to be arranged.

American foreign relations from the colonial period through the First World War. Topics include the transition from colonial to imperial status; the changing role of the U.S. in international relations; interaction between domestic politics and foreign policy; political, economic, and cultural relationships between Americans and other peoples.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

[History 1650b. Foreign Relations of The United States II]

Catalog Number: 4745

Akira Iriye

Half course (spring term). Hours to be arranged.

American foreign relations since the First World War. Topics include the world role of the supposedly isolated United States in the interwar years, World War II, postwar “hegemony,” the Cold War, and political, economic, and cultural interaction between Americans and other peoples.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

History 1653. Baseball and American Society, 1840–Present

Catalog Number: 5860

William E. Gienapp

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

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.

[History 1654. The History of American Capitalism: From the Industrial Revolution to World War I: Conference Course]

Catalog Number: 7002

Sven Beckert

Half course (fall term). Hours to be arranged.

An examination of the major trajectories of the development of American capitalism in the 19th century. Will focus on the reasons for and effects of capitalist growth, and of how the U.S. turned from a relatively minor outpost of the Atlantic economy to the powerhouse of the world economy and how this in turn shaped the ways Americans produced and lived. Topics will range from the economic consequences of the Civil War to the impact of capitalism on gender relations; from the changing structure of American businesses to the role of the government in channeling economic development.

Note: Expected to be given in 2001–02.



***History 1655. Abraham Lincoln: Conference Course**

Catalog Number: 5041 Enrollment: Limited to 15.

William E. Gienapp

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An examination of Abraham Lincoln's life and his significance in American history. More attention will be given to his presidency than to his career before 1860. Class meetings will focus on discussion of the assigned reading. Topics to be examined include the influence of the frontier on his character, his emergence as a national political figure, the quality of his presidential leadership, emancipation, his role as commander-in-chief, the impact of the war on his ideas, and his place in American historical memory.

[History 1656. The 19th-Century Bourgeoisie: Western Europe and the U.S.: Seminar]

Catalog Number: 0926

Sven Beckert

Half course (fall term). Hours to be arranged.

An introduction to the history of the bourgeoisie in the U.S., England, Germany and France in comparative perspective. Delineating the role of merchants, industrialists, bankers and professionals at home, at work and in politics, the course will review large questions about the place of the bourgeoisie in 19th-century societies and its relationship to liberalism and political democracy, but also look at bourgeois gender roles, culture and religion.

Note: Expected to be omitted in 2001–02. 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. EXAM GROUP: 15

This lecture course will consider questions of who owns and defines “culture” in 20th-century U.S. history. Topics include the consumption of film, literature, television and music.

History 1660. Using Primary Sources in African-American History: Conference Course

Catalog Number: 8151

Evelyn Brooks Higginbotham

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

History 1661. Social Thought in Modern America

Catalog Number: 8440

James T. Kloppenberg

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An inquiry into American ideas since 1890, examining developments in political and social theory, philosophy, and literature in the context of socioeconomic change. Topics include the



breakdown of Victorian idealism and laissez-faire; the emergence of social science and progressivism; conflicts over gender, race, and ethnicity; interwar cultural ferment and political reform; post-World War II theories of consensus and 1960s radicalism; and the consequences for democracy of our contemporary culture of irony.

[*History 1663. The 1950s: American Cultural Politics in the Cold War: Conference Course]

Catalog Number: 2658

Half course (fall term). Hours to be arranged.

In comparison to the 1960s, the 1950s have often been viewed as a period of traditionalism and apathy. This seminar challenges that view, exploring seemingly unrelated currents in—and interpretations of—the United States in the 1950s. Topics include civil rights activism, U.S. foreign policy, Beat culture, the rise of television, and the “feminine mystique.” Course raises questions such as: What was the relationship between McCarthyism and changing gender roles? What was the relationship between foreign and domestic policy and cultural experimentation?

Note: Expected to be given in 2001–02.

History 1665. Crime and Criminal Justice in the U.S., 1776-1999

Catalog Number: 8537

Rebecca Mary McLennan

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

This lecture course explores the social and political history of crime, criminal law, policing and punishment in the United States since the Revolution. Reading both primary and secondary sources, we will consider permutations in the legal and cultural meanings of crime since 1865; the rise of the police; the consolidation of the modern, prison-based criminal justice system in the late 19th and early 20th centuries; the rise and fall of “extra-legal” forms of policing punishment (such as lynching); and the contested politics of “law and order” since World War II.

History 1670. The New Deal: The United States During the Roosevelt Years: Conference Course

Catalog Number: 4878

Lisa M. McGirr

Half course (spring term). M., 3–5.

An exploration of the trajectory of New Deal reform and the broader social, economic, political, and cultural changes in the United States in this period. Topics will include the First and Second New Deal, the rise of liberalism, the Roosevelt administration, the social movements of the Left and the Right during the 1930s, the coming of war, and the waning of the reform impulse.

History 1672. The United States in the 1960s

Catalog Number: 5900

Lisa M. McGirr

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An introduction to the main developments in American society, culture, and politics during the premiere liberal decade of the 20th century. Topics will include the New Frontier, the Great Society, the Vietnam war, the Civil Rights movement, the student movement, the counter-culture, and the rise of populist conservatism.



[History 1673. Conservatism and Right-Wing Politics in 20th-Century American Life: Conference Course]

Catalog Number: 2340

Half course (fall term). Hours to be arranged.

An introduction to debates among historians and social scientists on the American Right. Will examine ideas, social groups, and cultural settings that have contributed to shaping the various strands of American conservatism in the 20th century—from the religious Right and movements of populist reaction to libertarianism. Topics will include religious fundamentalism, the Ku Klux Klan in the 1920s, the Right during the Great Depression, McCarthyism, the conservative intellectual movement since 1945, the John Birch Society, the Goldwater movement, and the New Right.

Note: Expected to be given in 2001–02.

History 1676. Social Movements in the United States from Populism to the New Right

Catalog Number: 4073

Lisa M. McGirr

Half course (spring term). M., W., at 12. EXAM GROUP: 5

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.

Cross-listed Courses

Afro-American Studies 110. African-American Women's History: Seminar

Afro-American Studies 118. Africans, African-Americans and the Legacy of Slavery

Afro-American Studies 191. The Civil Rights Movement: Seminar

[English 179k. American Autobiography]

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]

Primarily for Graduates

History 2600 (formerly History 2605). Readings in Colonial and Revolutionary America

Catalog Number: 9176

Joyce Elizabeth Chaplin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to scholarly literature on colonial and revolutionary America. Required for History Department graduate students specializing in U.S. history. Open to those from other fields of programs.

History 2601. The U.S. in the 20th Century: Seminar

Catalog Number: 1270



Lizabeth Cohen

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Research on topics in 20th-century U.S. history.

History 2602. Readings in the United States in the 19th Century

Catalog Number: 2383

William E. Gienapp

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

The second in the sequence of three proseminars required of all graduate students in American history and open to graduate students in other history fields and other departments as space permits. Readings will be drawn from a variety of secondary works, including classic as well as recent studies, with particular attention to the relationship between politics, society, and culture. The course will consider the themes of nationalism and regionalism along with the experience of particular social groups.

History 2606. Early American Social History: Seminar

Catalog Number: 6049

Laurel Thatcher Ulrich

Half course (spring term). W., 5–7 p.m. EXAM GROUP: 9

Research culminating in the production of a scholarly essay. Some prior knowledge of the period assumed.

[History 2607 (formerly History 2603). The United States in the 20th Century]

Catalog Number: 2931

Lisa M. McGirr

Half course (fall term). Hours to be arranged.

The third in the sequence of three proseminars required of all graduate students in American history and open to graduate students in other history fields and other departments, as space permits. Readings in a combination of classics and recent monographs and articles, with particular attention paid to making connections between politics, social life, and culture. The course will strive to integrate the experiences of diverse social groups into an understanding of the central historical and historiographical issues in the 20th century.

Note: Expected to be given in 2001–02.

[History 2612 (formerly History 2602). 19th-Century United States: Research Seminar]

Catalog Number: 6686

William E. Gienapp

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[History 2613. Assessing Other Governments: Seminar]

Catalog Number: 7404

Ernest R. May

Half course (spring term). Hours to be arranged.

After examination of case studies from 19th and 20th century American and European history, chiefly from the period of the Cold War, students prepare major research papers based on



original sources.

Note: Expected to be given in 2001–02. Offered jointly with the Kennedy School of Government as ISP-310.

Prerequisite: Reading knowledge of at least one language other than English is ordinarily required.

History 2630. Intellectual History

Catalog Number: 2382

James T. Kloppenberg

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

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 topics in 20th-century African-American history. Reading classic and more recent works, graduate students will investigate critical themes and events from the birth of Jim Crow at the turn of the century to the legal climate of the 1990s.

[History 2662. Readings in American Thought]

Catalog Number: 8845

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 2001–02.

[History 2663. Graduate Readings in U.S. Women's History]

Catalog Number: 6905

Evelyn Brooks Higginbotham

Half course (spring term). Hours to be arranged.

Readings in U.S. women's history from the Colonial period to the early 20th century.

Note: Expected to be given in 2001–02.

***History 2671. American Social History: Seminar**

Catalog Number: 0969

Stephan Thernstrom

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

History of Latin America

For Undergraduates and Graduates

History 1740. The Andes: Pre-Conquest to Present: Conference Course

Catalog Number: 8922

Jane E. Mangan

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8



A history of the Andes, a region characterized by the dominance of native cultures from pre-Columbia 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, Africans in the Andes, native rebellions, transition to nations, and recent political history. Focus on Bolivia and Peru.

History 1741. Gender and History in Latin America

Catalog Number: 1467

Jane E. Mangan

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

A study of Latin American history with a focus on the distinct patterns of gender relations that have dominated Latin American society for hundreds of years. Themes include gender and conquest, women slaves, paternalism, negotiation of honor, religion and social control, gender and social change, women and the law, the gendered world of labor, sexuality, and family and migration.

[History 1742. Religion and Society in Latin America: Conference Course]

Catalog Number: 2256

Jane E. Mangan

Half course (fall 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. Students will consider the variety of religious traditions engendered by the distinct pre-Columbian, African, and European cultures that have influenced religious belief and practice in the region since the sixteenth century. Topics include individual and community responses to the Catholic Church, campaigns against idolatry, the relationship of religious tradition to political culture, religion and revolution, the gendered practice of religion, and the introduction of Protestantism and Evangelism.

Note: Expected to be given in 2001–02.

History 1757 (Formerly 1760a.). History of Latin America to 1825

Catalog Number: 5991

Jane E. Mangan

Half course (fall term). Tu., Th., at 10 and an additional section to be arranged. EXAM GROUP: 12

A survey of Latin American history from the eve of Spain's conquest of the Americas in 1492 to the era of Latin American independence in the early 19th century. Focus on Mexico and the Andes, with comparison to the Caribbean, Brazil, and Rio de la Plata. Study of government priorities, religious debates economic exploits, native resistance, and social tensions that shaped Spain's attempts to control her "new world" and, ultimately, created shadows that lurk in 20th-century Latin America. Consideration of a range of colonial experiences including African slaves, *mestizos*, indigenous peoples, and newcomers from Spain.

[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 omitted in 2001–02. Expected to be given in 2002–03.

History 1759 (formerly History 1760b). The History of Latin America, 1914-2000

Catalog Number: 7328

John H. Coatsworth

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

From the First World War to the present, a survey of Latin American societies and politics, with emphasis on economic developments and struggles for power, justice, progress, and security.

History 1765. Brazil, 1750-2000

Catalog Number: 5880

Dain Edward Borges

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A survey of Brazilian history, emphasizing the 19th-and early 20th-century transformations of Brazilian society. Topics include economic transformations and industrialization; slavery and emancipation; population, immigration and urbanization; political reforms.

History 1766. Latin American Intellectual and Cultural History: Conference Course

Catalog Number: 6809

Dain Borges

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Themes in social thought and ideology, particularly in the 19th and 20th centuries: enlightenment; nation-building; liberalism and conservatism; positivism and the sciences; democratic nationalism; socialism; new religions; economic development; emancipation movements. Transformations in education, media, publics, and the roles of intellectuals.

Primarily for Graduates

[*History 2781 (formerly *History 1781). Modern Mexican History: Seminar]

Catalog Number: 5731

John Womack, Jr.

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

***History 2782 (formerly *History 1782). The Economic History of Latin America**

Catalog Number: 4261 Enrollment: Limited to 15.

John H. Coatsworth

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines the evolution of the Latin American economies from the colonial era to the 20th-century. Topics include the measurement of early modern economic activity, economic growth



and institutional change, the impact of external economic relations, land tenure and agricultural development, strategies of industrialization, and issues of political economy.

Note: Rudimentary economics, some Latin American history, and Spanish or Portuguese helpful but not required. Undergraduates may enroll with the permission of the instructor.

History 2784. Issues in Colonial Latin American History: Proseminar

Catalog Number: 5494

Jane E. Mangan

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An in-depth study of scholarship in colonial Latin American history for the period from conquest through the wars of independence. Topics include conquest and settlement; the economics of empire; indigenous communities; natural resources and labor; resistance to colonial rule; race, class and social order. Emphasis on historiographical debates instead of chronological narrative.

Note: Primarily for graduate students, though advanced undergraduates may take the course with special permission of the instructor. Reading knowledge of Spanish helpful.

History of Asia, Africa, and Australasia

For Undergraduates and Graduates

History 1820. Premodern Vietnam

Catalog Number: 4581

Hue-Tam Ho Tai

Half course (fall term). M., W., at 2. EXAM GROUP: 7

Vietnamese history from antiquity to the founding of the Nguyen dynasty in 1802 with emphasis on the period following independence from China in the 10th century. Topics include the Sinicization of Vietnam and the sources of Vietnamese national identity; tensions between aristocratic and bureaucratic rule; territorial expansion and national division; first contacts with the West; the changing status of women.

History 1821. Modern Vietnam

Catalog Number: 8192

Hue-Tam Ho Tai

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Survey of Vietnamese history from 1802 to the present. Covers the period of unified rule under the Nguyen dynasty, French colonial conquest, the struggle for independence, the Vietnam War, and the recent unification under Communism. Major topics include the relationship between the state, the village, and the individual; the transformation of Vietnamese society, culture, and politics under French rule; the rise of nationalism and Communism; the causes and consequences of the Vietnam War.

History 1831. China's Partners: Conference Course

Catalog Number: 6043 Enrollment: Limited to 15.

William C. Kirby

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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: For advanced undergraduates and graduates.

[History 1832. Continuity and Change in Contemporary Chinese History: Conference Course]

Catalog Number: 2547

William C. Kirby

Half course (spring term). Hours to be arranged.

Investigates patterns of state-society relations in 20th-century China from three historical perspectives: of Republican China before 1949; of the People's Republic of China since 1949; and of the Republic of China on Taiwan since 1946. Particular attention is paid to China's mid-century transitions and their legacies.

Note: Expected to be given in 2001–02. For advanced undergraduates and graduates with background in Chinese history.

History 1834. Global Migration: The Chinese Experience: Conference Course

Catalog Number: 2606

Philip A. Kuhn

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

In modern times, Chinese migrants have settled in more than 100 countries worldwide and have contributed significantly to the integration of the world economy. Their struggles to find a future in their adopted lands is a major theme in modern history. This course explores aspects of Chinese emigration, including: “globalization” and migration; colonial and post-colonial societies; the Americas, Europe, and Australasia; Chinese economic enterprise; and the changing role of China itself. Requirements: oral reports and a final paper.

History 1851 (formerly History 1851b). 20th-Century Japan

Catalog Number: 8696

Andrew Gordon

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Japan's emergence as a world power and the Japanese experience of modernity. Politics, social movements, and culture of the imperial era; the experience of World War II and postwar occupation; the “economic miracle” and postwar political economy; social and cultural transformation. From the 1980s boom to the 1990s bust; the early end to the Japanese century?

History 1854. Gender and Japanese History: Conference Course

Catalog Number: 5348

Daniel V. Botsman

Half course (fall term). W., 4–6. EXAM GROUP: 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.

History 1873. Household and Family in the Middle East

Catalog Number: 6837

Nelly Hanna

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

This course will examine perspectives and approaches to the understanding of marriage, the family, and household and private life in the Middle East, with special reference to early modern Egypt (16th to 18th centuries). These subjects will be explored in relation to larger issues, such as the state, Islamic law, society, and the economy.

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 2001–02. 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 11. EXAM GROUP: 13

Surveys the emergence of the Ottoman state from a frontier principality into a world empire in its sociopolitical and cultural contexts. Topics include pre-Ottoman Anatolia; frontier society; methods of conquest; centralization of power; classical institutions of the land regime and of the central administration; urbanization; religion and literature. Relations with Byzantium, other Islamic states, and Europe are examined.

[History 1878b. Ottoman State and Society II (1550–1920)]

Catalog Number: 6470

Cemal Kafadar

Half course (fall term). Hours to be arranged.



Surveys the transformations of the classical Ottoman order in the Middle East and southeastern Europe until the demise of the state. Topics include decentralization; social disturbances; the impact of the new world economy and new trade routes; reforms; changing relations with Europe; nationalist movements; the 'Eastern Question.' Ethnic structure, rural society, urban popular culture, guilds, 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 2001–02.

[History 1883. The Middle East and Modernity: Conference Course]

Catalog Number: 2369 Enrollment: Limited to 12. Limited to 12.

Cemal Kafadar

Half course (spring term). Hours to be arranged.

When and how did Middle Eastern societies become modern? Or postmodern? Or, are they still traditional? In what sense? Examines Middle Eastern history since the 16th century in the light of the current literature on the meanings and trajectories of modernity. Analyzes the processes of transformation in different spheres of social organization (state, family, etc.), and cultural expression (literature, music, architecture, etc.). Particular attention paid to the Ottoman realm from the "early modern" era through the 19th-century reforms. Comparative projects dealing with different parts of the Islamic world and the Balkans will be encouraged.

Note: Expected to be given in 2001–02.

[History 1884. Introduction to Archival Research in Ottoman History: Proseminar]

Catalog Number: 4513

Cemal Kafadar

Half course (spring term). Hours to be arranged.

A survey of archival collections related to Ottoman history. Introduction to the archives of the central government, pious endowments, provincial administrations, and court records. Also covers European collections of Ottoman documents and archival materials in European languages. Attention given to the standard tools of reference.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

Prerequisite: Reading knowledge of Turkish.

History 1885. The Making of Modern Egypt, 1840-2000

Catalog Number: 2499

E. Roger Owen

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A history of Egypt's socio-economic and political development, making use of the rich historical literature, and posing questions about the conventional narrative treatment of such major issues as the colonial impact, the rise of the nationalist movement, the supposed failure of the liberal experiment and the uses and abuses of revolution.

[History 1889. Transmission of Traditional Islamic Learning in the Middle East from the Beginning of Islam to the Present]

Catalog Number: 2155 Enrollment: Limited to 12.

Roy Mottahedeh

Half course (spring term). Hours to be arranged.



A study of the transmission of Islamic learning in the Middle East, principally in the institutions of learning called *madrasahs*, but also in private circles, from the 7th century to the present. Topics include the origins of the study of scripture; the origins of the *madrasah*; permissions to teach; curriculum; methods for examining the accuracy of manuscript copies; the influence of Sufi mystical orders in styles and methods of teaching; reaction to the introduction of printing; modern attempts at state control of *madrasahs*.

Note: Expected to be given in 2001–02.

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 1901. The History of Africa to 1860

Catalog Number: 3034

Peter C. Alegi

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introductory history of Africa from earliest times to 1860, on the eve of European conquest. Will explore the themes of the relationship between rulers and peasants in the political culture of village and state societies, ecological and environmental change, Africa's integration into the world economy, and the early formative history of South Africa.

[History 1902. Alcohol in Sub-Saharan Africa, 1850 to the Present: Conference Course]

Catalog Number: 2765

Emmanuel K. Akyeampong

Half course (fall term). Hours to be arranged.

Using alcohol as a microscope to highlight stasis and change in the structures and relations of African societies since 1850, course examines the uses and meanings of alcohol in precolonial and rural Africa; its place in European-African trading contacts; its role in the process of colonization; colonial attitudes toward alcohol and the place of alcohol in the political economy of colonialism; alcohol and urbanization; alcohol and gender; alcohol and nationalist politics; alcohol and industrialization in independent Africa; and alcohol and addiction in contemporary Africa.

Note: Expected to be given in 2001–02.

History 1903. Modern Africa, ca 1870 to the Present

Catalog Number: 3725

Peter C. Alegi

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

This course explores the history of Africa during the era of European colonial rule and after decolonization. Through historical studies, novels, biographies, and films, students will examine the growing involvement of Africans with the West, particularly Britain and France. The course



will explore the main themes in modern African history from both African and extra-African perspectives and will analyze local case studies of Kenya, Nigeria, Algeria, and especially South Africa.

[History 1906. West Africa from the Earliest Times to 1800]

Catalog Number: 1425

Emmanuel K. Akyeampong

Half course (fall term). Hours to be arranged.

Explores important themes in West African history: ecology and environmental changes; the introduction of agriculture and the emergence of sedentary societies; the trans-Saharan trade; the introduction and spread of Islam; migrations, and the formation of states; African slavery; the trans-Atlantic trade; and the spread of informal European influence. Also examines the sources and methods used in the reconstruction of West African history in the period under study.

Note: Expected to be given in 2001–02.

[History 1907. West Africa from 1800 to the Present]

Catalog Number: 4650

Emmanuel K. Akyeampong

Half course (spring term). Hours to be arranged.

Explores the internal dynamics of West African states from 1800, and West Africa's relations with the wider world. Examines African perspectives of colonialism, nationalism, and the transfer of political power. Concludes with the study of the continued struggle of independent West African states to achieve economic independence.

Note: Expected to be given in 2001–02.

[History 1908. Rethinking Gender in African History: Conference Course]

Catalog Number: 4526

Half course (spring term). Hours to be arranged.

Examines continuity and change in gender roles from the precolonial era to the present, defining gender as a social construct. Themes include production and reproduction; gender, knowledge, and rituals of transformation; gendered experiences of colonialism and capitalism; and divorce, widowhood, and inheritance in Africa.

Note: Expected to be given in 2001–02.

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). W., 2–4. EXAM GROUP: 7, 8

Explores in some detail main themes in the history of Islam in sub-Saharan Africa. Examines the form and content of Islamic belief and practice as conceived by Muhammad; the form Islam took in North Africa and how this influenced the “flavor” of Islam in sub-Saharan Africa; conversion to Islam in sub-Saharan Africa; Islam, trade, and state formation; Islamic theology, Muslim Brotherhoods and the eighteenth revival; the West African jihads; Islam under colonial rule; Islam and gender; and Islam in contemporary Africa.



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 1913. 19th- and 20th-Century South African History]

Catalog Number: 1970

Half course (fall term). Hours to be arranged.

An exploration of the historical background to economic and political conflict in the present Republic of South Africa. Topics include the nature of pre-colonial African societies, analyses of labor relations before and after the discovery of gold and diamonds in the late 19th century, the evolution of the apartheid state and its antecedents, and the prospects for change in that racially stratified society.

Note: Expected to be given in 2001–02.

[History 1914. Histories of the New South Africa: Conference Course]

Catalog Number: 1589

Half course (spring term). Hours to be arranged.

A critical analysis of recent writing about South Africa, covering the history of the region from the 17th through the 20th centuries and representing new historiographical perspectives on transformations in South African society.

Note: Expected to be given in 2001–02.

Cross-listed Courses

[Arabic 144. Sources for the Study of Islamic History]

[Arabic 160r. Readings in Arabic Historians, Geographers and Biographers]

[Chinese History 112. Introduction to Chinese History: Late Imperial China, 755-1700]

[Chinese History 116c. Modern Chinese Intellectual History]

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[Historical Study A-13. China: Tradition and Transformation]

Historical Study A-14. Japan: Tradition and Transformation

Historical Study A-77. The Emergence of Modern China, ca. 1600-2000

Historical Study B-52. Slavery and Slave Trade in Africa and the Americas

Historical Study B-67. Japan's Modern Revolution

Historical Study B-68. America and Vietnam: 1945–1975

Islamic Civilizations 121. North Africa, 1500 to the Present

Japanese History 111a. The Early History of Japan: Conference Course

Japanese History 111b. The Shogun's Realm, 1600–1868: Conference Course



Japanese History 116a. History of Japanese Religions: Conference Course

Japanese History 116b. History of Japanese Religions: Conference Course

Korean History 111. Traditional Korea

Korean History 114. Modern Korea

[Korean History 120. Korean Intellectual History: Conference Course]

[Persian 150r. Readings in Persian Historians, Geographers and Biographers]

Primarily for Graduates

[History 2820. Topics in Vietnamese History]

Catalog Number: 3593

Hue-Tam Ho Tai

Half course (fall term). Hours to be arranged.

Reading of selected texts in premodern and modern Vietnamese history. Primarily for graduate students, but open to advanced undergraduates as well.

Note: Expected to be given in 2001–02.

Prerequisite: Vietnamese 103 or equivalent training.

History 2821. Readings in Vietnamese History

Catalog Number: 7625

Hue-Tam Ho Tai

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Reading of selected texts in English in modern Vietnamese history.

Note: Primarily for graduate students, but open to advanced undergraduates as well.

[History 2830a. Late Imperial and Modern Chinese History: Conference Course]

Catalog Number: 6453

Philip A. Kuhn

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 2001–02. Primarily for graduate students preparing for the general examination, but open to others as well.

[History 2830b. The Writing of Modern Chinese History: Conference Course]

Catalog Number: 4435

Philip A. Kuhn

Half course (spring term). Hours to be arranged.

A continuation of 2830a with particular attention to Chinese historians of the 20th century.

Depending on the individual student's level of Chinese language, some readings will be available in original texts, with vocabularies and notes. Reading knowledge of Chinese is not a prerequisite. Reports and research papers will be presented.

Note: Expected to be given in 2001–02. Primarily for Ph.D. dissertation writers.

[*History 2831r. Research Topics in Modern Chinese History: Conference Course]

Catalog Number: 6017

Half course (fall term). 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 2001–02. Intended for graduate students with a reading knowledge of Chinese.

[History 2847. 20th-Century China: Seminar]

Catalog Number: 0279

William C. Kirby

Half course (fall term). 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 2001–02.

Prerequisite: Reading knowledge of Chinese.

History 2848a. Introduction to Archival Research in Chinese History: Conference Course

Catalog Number: 1863

Philip A. Kuhn

Half course (fall term). 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.

***History 2851. Japanese History: Seminar**

Catalog Number: 5146

Andrew Gordon, Mikael Adolphson, Harold Bolitho, and Daniel V. Botsman

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Prerequisite: Reading knowledge of Japanese.

History 2852. Topics in Modern Japanese History: Proseminar

Catalog Number: 0481

Daniel V. Botsman

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Readings of documents and secondary works on topics in modern Japanese history.

Prerequisite: Reading knowledge of Japanese.



[History 2854. Issues in Tokugawa and Meiji History: Seminar]

Catalog Number: 0305

Daniel V. Botsman

Half course (spring term). Hours to be arranged.

Explores new perspectives on a number of key historiographical issues in the study of Tokugawa and Meiji Japan. Engages both topics of current interest among historians in Japan and theoretical literature from outside the field of Japanese history.

Note: Expected to be given in 2001–02.

History 2883. Arabic Sources in the Ottoman Period: Seminar

Catalog Number: 5856

Nelly Hanna

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This seminar will consider various types of printed and manuscript sources in Arabic, notable chronicles, deeds of pious foundations (waqfs), literary works and court records. Special attention will be given to court records in Egypt, how they can be read, how they can be used as sources for social and economic history, and the kinds of problems that they pose.

History 2884. Topics in Ottoman Social and Cultural History: Seminar

Catalog Number: 3762

Cemal Kafadar

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Prerequisite: Reading knowledge of Turkish.

History 2886. Topics in Islamic History

Catalog Number: 3470

Roy Mottahedeh

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

History 2887a (formerly History 2887). Debates in the Economic and Social History of the Middle East: Seminar

Catalog Number: 1352

E. Roger Owen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Major questions and debates in recent writings on the economic and social transformation of the Middle East, including the use of concepts of class, status and sect; the study of popular movements and revolutions; the impact of imperialism and colonialism; and the analysis of state/society relations.

History 2887b. Debates in the Political and Ideological History of the Middle East: Seminar

Catalog Number: 4102

E. Roger Owen

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Major questions and debates in recent writings on the political and ideological history of the Middle East, including the concepts of Orientalism, nationalism, power and authority, and



tradition and modernity; revisions of the nationalist narrative; and attempts to explore new types of historical writing.

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 237. Introduction to Shang and Western Zhou Inscriptional Materials: Seminar]

Chinese History 240r (formerly Chinese History 240). Readings in Chinese Intellectual History

Korean History 230r (formerly Korean History 230). History of Rebellions in the Late Chosôn Dynasty

***Korean History 253r. Topics in Modern Korean History: Proseminar**

[*Korean History 255r. Modern Korean History: Seminar]

Comparative History, Historiography, and Methodology

For Undergraduates and Graduates

[History 1930. Black Slavery in Africa and the Americas: Conference Course]

Catalog Number: 2673

Emmanuel K. Akyeampong

Half course (fall term). Hours to be arranged.

Examines the evolution of the institution of slavery from its early form in the Roman world to its later variants in Africa and the Americas. It highlights the specific historical contexts of slave systems, continuity and change in the ideologies of slavery, and the uses of slaves—as soldiers, administrators, concubines, eunuchs, “kinsmen”, labor and capital—as the institution shifts in time and space. The course ends with an examination of the “worlds” slaves forged in Africa and the Americas, and the eventual abolition of slavery.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

History 1931. Europe in Africa & Africa in Europe: Conference Course

Catalog Number: 2540

David Kellogg Lewis (Rutgers University)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An exploration of the economic, political, and cultural interaction of Africa, Europe, and North America from the 18th century to the present. Will examine the new literature on the Atlantic slave trade and the formation of new-world identities and the parallel construction of African-ness in the European mind.

History 1942. The Historiography of Reformation Europe, 1450-1650: Conference Course

Catalog Number: 5887

Steven Ozment

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17



An introduction to Reformation scholarship. Both classic and recent studies are read and discussed, and new fields of research explored. Attention given to a variety of national traditions and to the major historiographical controversies.

[History 1950. Comparative Labor History: U.S., France, Great Britain, and Germany: 1789–1914: Conference Course]

Catalog Number: 2643

Sven Beckert

Half course (fall term). Hours to be arranged.

An examination of the experiences of labor in the U.S. and Europe in the 19th century, including the ways in which peasants and artisans turned into workers, the distinct responses of different groups of workers to economic change and the conditions under which workers have acted collectively. Topics will include working-class culture as well as the impact of skill, ethnic and gender divisions on labor. Simultaneously, the seminar will explore the varied ways historians have looked at workers and their organizations.

Note: Expected to be given in 2001–02.

History 1951. 19th-Century Capitalism: Great Britain, the United States, Germany, and Japan: Conference Course

Catalog Number: 9007

Sven Beckert

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course will explore in depth the development of capitalism in four of the main economic powers of our times: Great Britain, the U.S., Germany, and Japan. Focusing on the reasons for and effects of capitalist growth, students will gain an understanding of how economies changed and how this shaped the ways people produced and lived. The course will emphasize both different national trajectories as well as global interconnections. Topics range from the Industrial Revolution to the impact of capitalism on work; from the changing structure of businesses to the diverse ways in which governments channeled economic development.

[History 1952. Comparative Colonialism: Conference Course]

Catalog Number: 6795

Catherine A. Corman

Half course (fall term). Hours to be arranged.

An introduction to major themes and thinkers in the history of colonialism, including an examination of the ways different peoples approached problems common to colonial encounters.

Note: Expected to be given in 2001–02.

History 1954. The World in the 20th Century

Catalog Number: 1925

William C. Kirby and Charles S. Maier

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

The transformation of the Earth, its societies, and human values over the past 100 years. Examines interactions among, and parallel developments within, major global societies. The course deals thematically and chronologically with three broad themes. “Peoples and Environments” examines the human species in its natural and man-made environments; its



migration; and its diseases, old and new. “States and Societies” surveys the transition from the old land-based empires to national states and their conflicts; the social and political impact of the two world wars and world economic depression; nationalist, social-democratic, and authoritarian political projects; overseas empires and decolonization; the search for economic development; consequences of the Cold War, its end, and of “globalization.” “Culture and Values ” examines the endurance, rise, or fall of systems of belief, religious and secular, across the century.

History 1960. Punishment and the Modern World: Conference Course

Catalog Number: 2856

Daniel V. Botsman and Rebecca Mary McLennan

Half course (spring term). M., 4–6. EXAM GROUP: 9

Examines the way in which ideas about punishment, as well as actual penal practices, have played a critical role in the rise of modern states and societies. Will attempt to develop a global perspective by reading historical studies about a broad range of societies. Beginning with the ideas and reforms of Enlightenment Europe, will consider the rise of the prison, the transformation of corporal punishment, and transportation and the practice of punitive exile.

History 1962. From the Bomb to the Dot-Com: Conference Course

Catalog Number: 6578

Mark Henry Haefele

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course will focus on how the United States sought to cope with the rise of Third World nations in the 1950s and 1960s. Will provide an introduction to and engender critical thinking about the global economy of today.

History 1968. The World of the 1930s: Conference Course

Catalog Number: 0449

Akira Iriye

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[History 1983 (formerly History 1683). Reasoning From History]

Catalog Number: 7888

Ernest R. May

Half course (fall term). Hours to be arranged.

Uses of history in policy analysis and decision-making. Primarily discussion of case studies.

Note: Expected to be given in 2001–02. 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]

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 2001–02.

History 2906. International History: Seminar

Catalog Number: 0453

Akira Iriye

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Research seminar in the history of modern international relations.

[History 2908. Sources, Methodology, and Themes in African History]

Catalog Number: 5861

Emmanuel K. Akyeampong

Half course (spring term). Hours to be arranged.

Seminar to equip graduate students with the necessary tools for archival research and fieldwork, as well as to introduce them to recent approaches in the historiography.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

Cross-listed Courses

***American Civilization 370 (formerly American Civilization 270). Colloquium in American Civilization**

***Economics 2339. The Economic History Workshop**

[Historical Study A-74. Continuity and Change in 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, Thomas N. Bisson 1451, David Blackbourn 3203, Peter K. Bol 8014 (on leave fall term), Harold Bolitho 1176, Daniel V. Botsman 1249, Joyce Elizabeth Chaplin 1058, John H. Coatsworth 3248 (on leave fall term), Lizabeth Cohen 3627, Catherine A. Corman 1096 (on leave 2000-01), Albert M. Craig 1847, Drew Gilpin Faust 3857, Ruth Feldstein 1755 (on leave 2001-2002), Donald Fleming 1831,



William E. Gienapp 2109, Andrew Gordon 1891, Peter Eli Gordon 3907, James Hankins 1239 (on leave spring term), Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730, Stanley Hoffmann 1757 (on leave fall term), Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Christopher P. Jones 3204 (on leave spring term), Cemal Kafadar 2459, Edward L. Keenan 1825, William C. Kirby 3128, Mark A. Kishlansky 2895, Philip A. Kuhn 8051, Angeliki E. Laiou 7282 (on leave 2000-01), David S. Landes 2732, Eric Lohr 2343, Charles S. Maier 7227, Jane E. Mangan 2413, Terry D. Martin 2966 (on leave fall term), Ernest R. May 1817, Michael McCormick 2849, Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543, Rebecca Mary McLennan 2418, Roy Mottahedeh 1454 (on leave fall term), John E. Murdoch 1877, E. Roger Owen 1028, Steven Ozment 6197, Susan Pedersen 1972, Richard Pipes 1827, Eric W. Robinson 2724 (on leave 2001-2002), Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, Wei-Ming Tu 7233, Laurel Thatcher Ulrich 1886, and John Womack, Jr. 1863 (on leave 2000-01)

***History 3010. Reading and Research**

Catalog Number: 3424

Emmanuel K. Akyeampong 3421, Peter C. Alegi 3721, Sven Beckert 2415, Thomas N. Bisson 1451, David Blackburn 3203, Ann M. Blair 2467, Peter K. Bol 8014 (on leave fall term), Harold Bolitho 1176, Daniel V. Botsman 1249, Joyce Elizabeth Chaplin 1058, John H. Coatsworth 3248 (on leave fall term), Lizabeth Cohen 3627, Catherine A. Corman 1096 (on leave 2000-01), Albert M. Craig 1847, Charles Donahue, Jr. (Law School) 2650, William L. Fash 1512, Drew Gilpin Faust 3857, Ruth Feldstein 1755 (on leave 2001-2002), Donald Fleming 1831, William E. Gienapp 2109, Andrew Gordon 1891, Peter C. Gordon 3515, David Sumner Hall, James Hankins 1239 (on leave spring term), Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730, Stanley Hoffmann 1757 (on leave fall term), Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Christopher P. Jones 3204 (on leave spring term), Cemal Kafadar 2459, Edward L. Keenan 1825, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157, Philip A. Kuhn 8051, Angeliki E. Laiou 7282 (on leave 2000-01), David S. Landes 2732, Fred M. Leventhal (Boston University) 1640, Eric Lohr 2343, Charles S. Maier 7227, Jane E. Mangan 2413, Terry D. Martin 2966 (on leave fall term), Ernest R. May 1817, Michael McCormick 2849, Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543, Rebecca Mary McLennan 2418, Roy Mottahedeh 1454 (on leave fall term), John E. Murdoch 1877, E. Roger Owen 1028, Steven Ozment 6197, Katharine Park 2974 (on leave 2000-01), Susan Pedersen 1972, Eric W. Robinson 2724 (on leave 2001-2002), Bernard Septimus 7160, Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, Wei-Ming Tu 7233, Laurel Thatcher Ulrich 1886, Jeffrey G. Williamson 7680 (on leave 2000-01), and John Womack, Jr. 1863 (on leave 2000-01)

Instructors listed above under History 3010 supervise individual work in preparation for the General Examination for the Ph.D. degree.

Note: Open ordinarily only to candidates for the Ph.D. 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 3910 (formerly History 2910). Writing History: Approaches and Practices**

Catalog Number: 1358



Cemal Kafadar 2459 and Susan Pedersen 1972

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Required of and limited to first-year doctoral students in History and joint degree programs in HEAL and HMES.

History and Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Steering Committee on Degrees in History and Literature

Stephen J. Greenblatt, Cogan University Professor (*Chair*)

Richard Charles Adams, Assistant Professor of English and American Literature and Language and of History and Literature

K. Anthony Appiah, Charles H. Carswell Professor of Afro-American Studies and of Philosophy

Steven H. Biel, Lecturer on History and Literature (*Director of Studies*)

Ann M. Blair, John L. Loeb Associate Professor of the Social Sciences

Lawrence Buell, Harvard College Professor and the John P. Marquand Professor of English

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

Bradley S. Epps, Professor of Romance Languages and Literatures (*on leave fall term*)

Ruth Feldstein, Assistant Professor of History and of History and Literature (*on leave 2001-2002*)

Lynn Mary Festa, Assistant Professor of English and American Literature and Language

Virginie Greene, Assistant Professor of Romance Languages and Literatures and of History and Literature

Yunte Huang, Assistant Professor of English and American Literature and Language (*on leave spring term*)

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English

James T. Kloppenberg, Professor of History

Barbara K. Lewalski, William R. Kenan, Jr., Professor of History and Literature and of English Literature (*on leave spring term*)

Christie McDonald, Smith Professor of French Language and Literature

Doris Sommer, Professor of Romance Languages and Literatures

John Stauffer, Associate Professor of History and Literature and of English and American Literature and Language (*on leave fall term*)

Alfred Thomas, John L. Loeb Associate Professor of the Humanities (*on leave fall term*)



Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

Affiliated Members of the Committee on Degrees in History and Literature

David Sumner Hall

Francisco Márquez, Arthur Kingsley Porter Research Professor of Romance Languages and Literatures

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of Afro-American Studies

Helen Vendler, Arthur Kingsley Porter University Professor (*on leave spring term*)

Other Faculty Offering Instruction in the History and Literature Program

W. Nathan Alexander, Instructor in History and Literature

David Lee Brandenberger, Lecturer on History and Literature

Rory A. W. Browne, Lecturer on History and Literature

Alide Cagidemetrio, Visiting Professor of History and Literature (*University of Udine*)

Jeffrey Randall Collins,

Alan Ralph Cooper, Lecturer on History and Literature

Barbara M. Corbett, Lecturer on History and Literature

Neal L. Dolan, Lecturer on History and Literature

Erika Dreifus, Lecturer on History and Literature

Sara Lynn Eigen, Instructor in History and Literature, Teaching Fellow in Visual and Environmental Studies, Teaching Fellow in Core Curriculum

Carlos Ramiro Espinosa, Lecturer on History and Literature

Victor J. Figueroa, Instructor in History and Literature, Lecturer on History and Literature

Michael Andrew Fodor, Lecturer on History and Literature

Jonathan Andrew Fortescue, Lecturer on History and Literature

Andrew J. Furer, Lecturer on History and Literature

Jane F. Gerhard, Lecturer on History and Literature

Durba Ghosh, Lecturer on History and Literature

Melinda G. Gray, Lecturer on History and Literature

Karen Isabelle Halil, Lecturer on History and Literature

Christopher Laing Hill, Lecturer on History and Literature

Daniel Itzkovitz, Lecturer on History and Literature

Jeffrey Guy Johnson, Lecturer on History and Literature

Philip Joseph, Lecturer on History and Literature

Stephen Haviland Kargere, Lecturer on History and Literature, National Endowment for the Humanities Fellow

Dirk Killen, Allston Burr Senior Tutor in Pforzheimer House, Lecturer on History and Literature

Matthew Lazen, Lecturer on History and Literature

Camille Lizarribar, Lecturer on History and Literature

David A. Long, Lecturer on History and Literature

Anne Lynn Lounsbery, Lecturer on History and Literature

Patricia C. Lynch, Lecturer on History and Literature



Matthew William Maguire, Lecturer on History and Literature
Hans Mateo-Silva, Lecturer on History and Literature
Mark Christopher Molesky, Lecturer on History and Literature
Martha Jane Nadell, Lecturer on History and Literature
Rebecca R. Noel, Lecturer on History and Literature
John Timothy O'Keefe, Lecturer on History and Literature
Lillian Paula Porten, Lecturer on Literature
Jeanne Follanabee Quinn, Lecturer on History and Literature
Mark Ernest Rennella, Teaching Assistant in History and Literature, Lecturer on History and Literature
Julia B. Rosenbaum,
Alex Sagan, Lecturer on History and Literature
Ezra Fred Tawil, Lecturer on History and Literature
Shirley Elizabeth Thompson, Instructor in History and Literature
Penny Timika Tucker, Instructor in History and Literature
Toni Turano, Lecturer on History and Literature
Bryan Elliot Waterman, Lecturer on History and Literature
James Wilkinson, Lecturer on History and Literature
Abby Wolf, Lecturer on History and Literature

Primarily for Undergraduates

***History and Literature 91r. Supervised Reading and Research**

Catalog Number: 0334

Steven H. Biel and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 9

The study of selected topics in history and literature.

Note: Permission of the Director of Studies required. In addition to individually supervised reading and research, History and Literature offers small group courses on selected topics. These may be open to qualified freshmen or nonconcentrators with the permission of the instructor. These courses are posted in the History and Literature office.

***History and Literature 97. Tutorial — Sophomore Year**

Catalog Number: 4177

Steven H. Biel (spring term) and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors sophomores as a full course. Nonconcentrators wishing to take a half or full year of the Middle Ages, Europe from c. 1300 to c. 1750, Britain, Russia, Germany, Latin America, or France sophomore tutorials may do so with the permission of the Director of Studies. To take one semester only, a divide with credit petition must be filed. This is an opportunity for freshmen and others who would like the benefit of the course without committing to the concentration.

***History and Literature 98r. Tutorial — Junior Year**

Catalog Number: 2766

Steven H. Biel and members of the Committee



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken as two half courses by honors juniors. Required of all concentrators.

***History and Literature 99. Tutorial — Senior Year**

Catalog Number: 5362

Steven H. Biel and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Required of all concentrators.

A list of the courses in other departments that count for History and Literature is available in our office at the Barker Center and at www.fas.harvard.edu/~histlit.

History of American Civilization

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in the History of American Civilization

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of Afro-American Studies (*Chair*)

Richard Charles Adams, Assistant Professor of English and American Literature and Language and of History and Literature

Sven Beckert, Dunwalke Associate Professor of American History

Lawrence Buell, Harvard College Professor and the John P. Marquand Professor of English

Joyce Elizabeth Chaplin, Professor of History

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies

Catherine A. Corman, Assistant Professor of History (*on leave 2000-01*)

Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities

David Sumner Hall

Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies

Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*) (*Acting Chair, 1999-00*)

James T. Kloppenberg, Professor of History

Ernest R. May, Charles Warren Professor of American History

Charles E. Rosenberg, Ernest E. Monrad Professor of Social Sciences

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*)

Doris Sommer, Professor of Romance Languages and Literatures



John Stauffer, Associate Professor of History and Literature and of English and American Literature and Language (*on leave fall term*)

Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History

Cornel West, Alphonse Fletcher, Jr., University Professor and Professor of Afro-American Studies (FAS) and Professor of the Philosophy of Religion (Divinity School) (*on leave 2000-01*)

Other Faculty Offering Instruction in the History of American Civilization

Allan M. Brandt, Professor of the History of Science (FAS) and Amalie Moses Kass Professor of the History of Medicine (Medical School)

Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature

Donald Fleming, Jonathan Trumbull Research Professor of American History

Akira Iriye, Charles Warren Professor of American History

Thomas K. McCraw, Isidor Straus Professor of Business History (Business School)

Helen Vendler, Arthur Kingsley Porter University Professor (*on leave spring term*)

Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature

This program is interdisciplinary. For further information about the variety of course offerings in specific departments, consult the office of the Committee, Barker Center 225, 12 Quincy Street.

Primarily for Graduates

***American Civilization 370 (formerly American Civilization 270). Colloquium in American Civilization**

Catalog Number: 3662

Members of the Committee

Half course (fall term). M., 3–5.

Note: The Colloquium is required of and limited to all first-year graduate students in American Civilization.

Graduate Courses of Reading and Research

***American Civilization 398. Reading and Research**

Catalog Number: 1710

Richard Charles Adams 1665, Sven Beckert 2415, Sacvan Bercovitch 7638 (on leave fall term), Allan M. Brandt 3031, Lawrence Buell 2655, Elizabeth Cohen 3627, Catherine A. Corman 1096 (on leave 2000-01), Philip J. Fisher 1470, William F. Fisher (Clark University) 3323, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, William E. Gienapp 2109, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Yunte Huang 3160 (on leave spring term), William R. Hutchison (Divinity School) 4061 (on leave fall term), Akira Iriye 1968, Barbara E. Johnson 7626 (on leave fall term), James T. Kloppenberg 3157, Thomas K. McCraw (Business School) 7371, Marc Shell 3176 (on leave fall term), Werner Sollors 7424, John Richard Stauffer 3889, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, Helen Vendler 7226 (on leave spring term), and Cornel West 1212 (on leave 2000-01)



***American Civilization 399. Direction of Doctoral Dissertations**

Catalog Number: 8803

Sacvan Bercovitch 7638 (on leave fall term), Allan M. Brandt 3031, Lawrence Buell 2655, Elizabeth Cohen 3627, Philip J. Fisher 1470, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, William E. Gienapp 2109, David Sumner Hall, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, William R. Hutchison (Divinity School) 4061 (on leave fall term), Akira Iriye 1968, Thomas K. McCraw (Business School) 7371, Marc Shell 3176 (on leave fall term), Werner Sollors 7424, John R. Stilgoe 8032, Stephan Thernstrom 4141, and Laurel Thatcher Ulrich 1886

Cross-listed Courses

Comparative Literature 182. Comparative Cultures of Money

English 187d. American Literatures in Languages Other than English

***English 272b. Major U.S. Authors: Faulkner**

***English 273b. American History / American Fiction**

[History 1618. Material Life in Early America]

[History 1632. Gilded Age America: Economy, Society and Politics: Conference Course]

History 1640 (formerly History 1660). The United States since World War II

History 1653. Baseball and American Society, 1840–Present

[History 1654. The History of American Capitalism: From the Industrial Revolution to World War I: Conference Course]

[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 1950. Comparative Labor History: U.S., France, Great Britain, and Germany: 1789–1914: Conference Course]

History 1951. 19th-Century Capitalism: Great Britain, the United States, Germany, and Japan: Conference Course

History 2600 (formerly History 2605). Readings in Colonial and Revolutionary America

History 2601. The U.S. in the 20th Century: Seminar

History 2602. Readings in the United States in the 19th Century

History 2606. Early American Social History: Seminar

[History 2607 (formerly History 2603). The United States in the 20th Century]

[History 2612 (formerly History 2602). 19th-Century United States: Research Seminar]

[History 2662. Readings in American Thought]

Religion 1465. Liberalism and Orthodoxy, 1600–1870

[Religion 1504. Religion in America: From the Coming of the Europeans to the 1870s]

Religion 1515. Religion and Culture in 19th-Century America and Europe: Seminar

Religion 1525. Radical Movements in Modern America

[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar]

Spanish 165. Bilingual Arts

Spanish 186. Tobacco and Sugar

Spanish 268. Telling Limits in American Ethnic Literatures



History of Art and Architecture

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History of Art and Architecture

Friedrich Teja Bach, Visiting Professor of History of Art and Architecture (*University of Vienna*)

Paolo Berdini, Visiting Assistant Professor of History of Art and Architecture (*Stanford University*)

Suzanne P. Blier, Professor of the History of Art and Architecture (*on leave 2000-01*)

Yve-Alain Bois, Joseph Pulitzer, Jr. Professor of Modern Art (*on leave 2001-2002*)

Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art (*on leave fall term*)

Thomas B.F. Cummins, Visiting Associate Professor of History of Art and Architecture, Senior Fellow, Pre-Columbian Studies (*University of Chicago*)

James Cuno, Professor of History of Art and Architecture and Elizabeth and John Moors Cabot Director of the Harvard University Art Museums

Jeffrey F. Hamburger, Professor of History of Art and Architecture (*on leave fall term*)

Alice G. Jarrard, Associate Professor of History of Art and Architecture (*on leave spring term*)

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*Chair*)

Ewa Lajer-Burchard, Professor of History of Art and Architecture (*on leave 2000-01*)

Neil Levine, Emmet Blakeney Gleason Professor of History of Art and Architecture

David Gordon Mitten, James Loeb Professor of Classical Art and Archaeology

Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art (*Director of Undergraduate Studies*)

Gloria Ferrari Pinney, Professor of Classical Archaeology and Art (*on leave fall term*)

David J. Roxburgh, Associate Professor of History of Art and Architecture (*on leave 2001-2002*)

Gwendolyn DuBois Shaw, Assistant Professor of History of Art and Architecture and of Afro-American Studies

John Shearman, Adams University Professor (*on leave 2000-01*)

Rabun Taylor, Assistant Professor of History of Art and Architecture (*on leave fall term*)

Eugene Yuejin Wang, Assistant Professor of 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 (*on leave fall term*)

Henri Zerner, Professor of History of Art and Architecture (*Director of Graduate Studies*)

Museum Associates

Marjorie B. Cohn, Senior Lecturer on History of Art and Architecture and Carl A. Weyerhauser Curator of Prints in the Harvard University Art Museums

Harry A. Cooper, Lecturer on History of Art and Architecture

Eugene F. Farrell, Lecturer on History of Art and Architecture



Ivan Gaskell, Senior Lecturer on History of Art and Architecture
 Deborah Martin Kao, Lecturer on History of Art and Architecture, Senior Lecturer on History of Art and Architecture
 Henry William Lie, Lecturer on History of Art and Architecture
 Robert D. Mowry, Senior Lecturer on History of Art and Architecture
 Peter Nisbet, Senior Lecturer on History of Art and Architecture
 William W. Robinson, Senior Lecturer on History of Art and Architecture
 Stephan S. Wolohojian, Lecturer on History of Art and Architecture

Courses in the History of Art and Architecture undergraduate curriculum are structured as a three-tier system, consisting of a sequence of entry-level courses, field-specific introductory courses, and upper-level courses. For the concentrator, these are supplemented by tutorials. Passage through the sequence from entry level to more advanced classes is encouraged—particularly for prospective concentrators.

Literature and Arts B-10, *Art and Visual Culture: Introduction to the Historical Study of Art and Architecture*, using paradigmatic works of art, introduces concepts by which the visual arts can be understood and analyzed. History of Art and Architecture 11, *Landmarks of World Architecture*, examines great monuments in world architecture, from ancient times to the 20th century, and the unique aesthetic, cultural, and historical issues that frame them. History of Art and Architecture 70, *Introduction to Modern Art and Visual Culture, 1700–1990s*, examines modernity, and the place of visual representation in modern culture. The course will cover the whole range of modern media from sculpture, prints, and photography to video, installation art, and performance art. History of Art and Architecture 12–19 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 nonconcentrators with an interest in a particular subject within History of Art and Architecture. History of Art and Architecture 100-199 courses tend to focus upon a particular problem or set of materials within a subfield.

Primarily for Undergraduates

History of Art and Architecture 11. Landmarks of World Architecture

Catalog Number: 3675

Neil Levine and members of the Faculty

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

This course examines great monuments in world architecture from ancient times through the 20th century and the unique aesthetic, cultural, and historical issues that frame them. Members of the faculty will each lecture on a building in their area of expertise. These will include the Guggenheim Museum, St. Peter's, the Taj Mahal, Hagia Sophia, the Alhambra, the Palaces at Nineveh and Versailles, the Paris Opera House and Pompidou Center, the Roman Pantheon, the temples at Khajuraho, and the Forbidden City in Beijing. Weekly sections will focus more generally 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). Tu., Th., at 12. EXAM GROUP: 14

An introduction to the major monuments of medieval and early modern architecture in the Islamic world stretching from Spain in the west to the borders of China in the east. Architectural monuments will be examined in their cultural, political, socio-economic, and aesthetic contexts. A highly selective survey, emphasizing the methodological concerns of the field through a focused study of building programs in such monuments as the Dome of the Rock in Jerusalem; the Great Mosques of Damascus, Samarra, Cordoba, Marrakesh, Isfahan, Samarqand, Cairo, Istanbul, Delhi and Agra; and other building types including madrasas, shrines, mausoleums, caravansarays, palaces, and gardens.

[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 2001–02.

History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia

Catalog Number: 7382

Irene J. Winter

Half course (spring term). 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

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 city in the 7th century BCE to the Christianizing of Rome in the 4th century CE.

Note: Expected to be given in 2001–02.

History of Art and Architecture 14. Introduction to Medieval Art: From the Carolingians to the Capetians



Catalog Number: 2049

Jeffrey F. Hamburger

Half course (spring term). M., W., at 11. EXAM GROUP: 4

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.

[History of Art and Architecture 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600]

Catalog Number: 1682

John Shearman

Half course (spring term). 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 2001–02.

[History of Art and Architecture 17x. Architecture Between Revolution and Modernism: The 19th Century]

Catalog Number: 4968

Neil Levine

Half course (spring term). Hours to be arranged.

An introduction to the major monuments, architects, and theories of 19th-century architecture and urbanism. Focus will be on the development of new forms of expression in Europe and America, in response to such issues as the rise of nationalism, the growth of the city, new building types from the middle class, new technologies, and colonial expansion.

Note: Expected to be given in 2001–02.

[History of Art and Architecture 18d. Introduction to the Art and Architecture of India]

Catalog Number: 6967

Pramod Chandra

Half course (spring term). Hours to be arranged.

Gives a general idea of ancient Indian architecture, sculpture, and painting through carefully selected monuments and themes. Visual analysis and the importance of artistic evidence in the understanding of the sketchy historical record of the country are emphasized.

Note: Expected to be given in 2002–03.

History of Art and Architecture 18g. Introduction to the Art and Architecture of Japan

Catalog Number: 2470

Cherie A. Wendelken

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

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.



[History of Art and Architecture 19. Image, Icon, and Identity: Introduction to the Art of Africa]

Catalog Number: 8872

Suzanne P. Blier

Half course (fall term). Hours to be arranged.

This course examines key issues in African art. It is designed both to be an introduction to the rich and diverse arts of Africa and to serve as a forum for the critical evaluation of related theoretical issues. Each class will explore the art of a single civilization (discussing as well concomitant traditions in religion, philosophy, politics, history) while also focusing on a larger theoretical concern—gender, representation of the “other,” aesthetics, artistic creation, psychology, performance art, and the like.

Note: Expected to be given in 2001–02.

History of Art and Architecture 19x. Introduction to African American Art History

Catalog Number: 2396

Gwendolyn DuBois Shaw

Half course (spring term). M., W., at 1. EXAM GROUP: 6

This course examines over two hundred years of artistic production by peoples of African descent living in the United States. While focusing primarily on the fine arts, a variety of media and methodologies will be examined: from 19th-century landscape painting to contemporary avant garde installations; from the material culture of slavery to the vernacular art of the current era.

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

Catalog Number: 4593

Ewa Lajer-Burcharth

Half course (fall term). Hours to be arranged.

What is modernity, and what is the place of visual representation within modern culture? What conceptions of individuality, originality, and desire are at work in the idea of “the artist” in the modern period? 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 2001–02.

***History of Art and Architecture 91r. Directed Study in History of Art and Architecture**

Catalog Number: 1028

Gülru Necipoglu-Kafadar and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open only to juniors and seniors. Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the permission of the proposed instructor.



***History of Art and Architecture 97r. Sophomore Tutorial**

Catalog Number: 0935

Gülru Necipoglu-Kafadar and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98ar. Advanced Tutorial**

Catalog Number: 1328

Gülru Necipoglu-Kafadar and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

Prerequisite: History of Art and Architecture 97r.

***History of Art and Architecture 98br. Advanced Tutorial**

Catalog Number: 3507

Gülru Necipoglu-Kafadar and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

Prerequisite: History of Art and Architecture 97r.

***History of Art and Architecture 99. Tutorial — Senior Year**

Catalog Number: 3118

Gülru Necipoglu-Kafadar and members of the Department.

Full course. Hours to be arranged.

Note: Intended primarily for honors candidates in History of Art and Architecture. Permission of the Head Tutor required.

For Undergraduates and Graduates

[History of Art and Architecture 101. The Materials of Art]

Catalog Number: 5741

Eugene F. Farrell and staff

Half course (fall term). Hours to be arranged.

An introduction to the materials and techniques that have been used to produce art objects (paintings, sculpture, works on paper). An emphasis on the physical choices and constraints offered to the artist through the centuries. Problems of description, dating, authenticity, aging, and preservation are considered.

Note: Expected to be given in 2001–02.

Prerequisite: History of Art and Architecture concentration or two previous art history courses.

History of Art and Architecture 104. Engraving

Catalog Number: 6374 Enrollment: Limited to 10.

Marjorie B. Cohn

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

The history of this printmaking technique, from the 15th through the 20th century, will be examined, with special attention to engraving's function within the larger cultural role of the



repeatable image. The class will prepare an exhibition that will give a comprehensive overview of the process.

[History of Art and Architecture 106x. Prints From Then Till Now]

Catalog Number: 2475 Enrollment: Limited to 10.

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2001–02.

History of Art and Architecture 125. Architecture and Urbanism in the Age of Sinan

Catalog Number: 6775 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

The famous Ottoman chief court architect Sinan (1539–88) will be studied from a variety of critical perspectives, addressing dominant issues and new methodological perspectives. Topics in architectural culture include the centralized organization of building practice, urbanism, patronage patterns, the codification of a canonical architectural idiom, the notion of decorum, and conceptual categories in textual descriptions of architecture. Students may pursue comparative projects on architectural production in Europe and the Islamic world.

History of Art and Architecture 128. Topics in Arabic Art and Culture

Catalog Number: 6008 Enrollment: Limited to 12.

David J. Roxburgh

Half course (fall term). M., 4–6. EXAM GROUP: 9

A problem oriented inquiry into Arabic art and culture of ca. 1000 to 1300, focusing on the regions circling the Mediterranean, from the Iberian Peninsula to the Levant. Media (art of the book, painting, portable arts, epigraphy, architecture) and geographic focus varies from year to year. Themes also change, but include relations between art and literature (poetry and prose), aesthetics, vision and perception, the court and courtly culture, the rise of a mercantile patron class, and cultural continuities and resurgences.

History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar

Catalog Number: 0302 Enrollment: Limited to 10.

Irene J. Winter

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An inquiry into aesthetic theory as it was developed in Western Europe in the 18th and 19th centuries, and how that approach may be used to examine the art of non-European traditions. After a set of common readings and discussion, students will be asked to select a particular tradition for research, and examine the utility of such concepts as “beauty” cross-culturally. Class presentation and paper.



History of Art and Architecture 140r. Byzantine Art

Catalog Number: 3687 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (spring term). W., 1–3.

The course will focus on what is considered the “classical” in Byzantine art. The question of a Macedonian renaissance and its consequences will be given special emphasis.

History of Art and Architecture 142y. Thinking About Collecting: Undergraduate Seminar

Catalog Number: 2920 Enrollment: Limited to 12.

Stephan S. Wolohojian

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

An introductory seminar exploring the topic of collecting. Among the topics discussed will be the early history of collecting; the politics of collecting; private collections; national collections; the role of memory; the collector in literature; gender and collecting, etc.

History of Art and Architecture 156. Venetian Painting of the Renaissance

Catalog Number: 9952

Paolo Berdini

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The Venetian painting of the Renaissance examined in light of the exchange between center and periphery which characterizes Venice’s unique visual culture. After the acquisition of land dominions—the terraferma—Venice promoted forms of interaction—social, political, and cultural—with the diverse regions of the periphery. It was by absorbing, valorizing, and synthesizing the characteristics of the local schools of painting that Venice realized its own Renaissance. The course focuses on the works of Carpaccio, Bellini, Giorgione, Lotto, Paris Bordon, Titian, Veronese, Bassano, and Tintoretto.

History of Art and Architecture 166. Bernini, Rubens, Poussin

Catalog Number: 4774 Enrollment: Limited to 12.

Alice G. Jarrard

Half course (spring term). Th., 1–3. EXAM GROUP: 6, 7

This course considers questions of artistic identity through the close examination of three artists whose works defined 17th-century painting and sculpture in Europe. Topics include: invention in the context of workshops, collaborators, and competitors; the ongoing dialogue with antiquity and the Renaissance; patrons and cultural milieux (with a special focus on Rome); the physical settings of gallery, chapel, and garden; and the impact of literary narratives. Painting, sculpture, and other decorative projects will be considered.

[History of Art and Architecture 171t. Degas: Beyond Impressionism]

Catalog Number: 7454 Enrollment: Limited to 50.

James Cuno

Half course (fall term). Hours to be arranged.

Examination of the character and meaning of Degas’ idiosyncratic body of work in light of recent revisionist histories of Impressionism. Special emphasis will be placed on works in the collection of the Fogg Art Museum.

Note: Expected to be given in 2001–02.



History of Art and Architecture 172. Impressionism

Catalog Number: 0808

James Cuno

Half course (fall term). M., W., at 10. EXAM GROUP: 3

This course will examine the development of the “New Painting” in Paris from Manet’s *Dejeuner sur l’herbe* of 1863 to the late paintings of Monet and Degas in the first decades of the 20th century. In addition to their formal and technical achievements, we will explore the social circumstances in which they worked and the extent of their influence on painting elsewhere in Europe and in North America. Of particular interest will be the rapid development of a bourgeois urban and commercial culture in Paris during the second half of the 19th century.

History of Art and Architecture 172x. Painting as Film, Film as Painting

Catalog Number: 0657 Enrollment: Limited to 12.

Yve-Alain Bois

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Starting with the debate, in Russia around 1920, opposing the director Sergei Eisenstein and the artist Kasimir Malevich, we will explore the relationship, real or imaginary, between cinema and painting. Famous manifestations of a definite cross-over between the two media will be examined (the various attempts at abstract cinema in the 1920s and then again in the 1960s, the work of Warhol, the currently growing production of “films by artists”...), but the main question raised by the seminar will be: how the analytic tools used for the study of one medium can affect that of the other.

[History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]

Catalog Number: 7251 Enrollment: Limited to 12.

Ewa Lajer-Burchard

Half course (spring term). Hours to be arranged.

Examines the works of important European and American women artists from the 1950s to the present, including Lee Krasner, Eva Hesse, Hannah Wilkie, Judy Chicago, Rebecca Horn, Mary Kelly, Adrian Piper, Cindy Sherman, and Janine Antoni, among others. Explores the ways of thinking about their art as a representation of difference understood as historically contingent cultural values rather than a natural or innate quality. Seeks less to pit male vs. female artist than to open up a discussion of the woman artist herself as a locus of difference(s) and of the diversity and difference among women’s aesthetic productions.

Note: Expected to be given in 2001–02.

History of Art and Architecture 174. Functionalism and Modern Architecture

Catalog Number: 7928 Enrollment: Limited to 12.

Neil Levine

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Despite being one of the most significant, even defining characteristics of modern architecture, the concept of functionalism remains as elusive as it is ambiguous. What does it mean to say that form should follow function? Where and when did the idea arise? How did it develop over time? And what are its continuing implications for design? This course will examine these questions in



depth, paying attention to developments both in theory and in practice over the last two centuries.

History of Art and Architecture 175y. Philip Guston: Modern Painting in Transition

Catalog Number: 2748 Enrollment: Limited to 12.

Harry A. Cooper

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Philip Guston (1913-1980) was one of the most influential American painters of the 20th century, but his work has rarely been studied in depth. This course will trace Guston's career from his work as a muralist during the Depression through his Abstract Expressionist period in the 1950s to his development of an epic-vernacular style of figuration in the 1970s. However, special attention will be paid to paintings from 1962-72 on view in a concurrent exhibition at the Fogg Art Museum. First-hand examination of these works will be supplemented by readings to place Guston in the context of modernist painting and its criticism.

History of Art and Architecture 177. Modern Sculpture

Catalog Number: 8003 Enrollment: Limited to 15.

Friedrich Teja Bach (University of Vienna)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The course will offer an introduction to modern sculpture. In the first half of the term we will discuss problems of figurality, fragmentation, the pedestal, public space and sculpture as object on the basis of the work of Rodin, Picasso, Duchamp, Giacometti and Russian Constructivism; in the second part we will focus on post World War II sculpture and its relation to classical modernity, for which the reception and “radicalisation” of Brancusi's work in American sculpture of the 60s and 70s (Robert Morris, Carl Andre, Dan Flavin, Richard Serra and others) can serve as a model.

History of Art and Architecture 178z. Matisse and Picasso

Catalog Number: 9177

Yve-Alain Bois

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Fiercely competitive, Matisse and Picasso engaged in one of the most formidable artistic dialogues of the history of Western art. We will examine their evolution as if it were an ongoing game of chess between two masters—from the moment of their first contact (1906) to Matisse's death (1954) and even beyond, since Picasso spent two years paying homage to his partner after he had died. The tenet of the course is that these two giants of modern art needed each other—that in many ways each defined the other's identity. Works in all media will be considered.

History of Art and Architecture 179x. Photography: Art, Artifact, Artifice

Catalog Number: 7977

Deborah Martin Kao

Half course (fall term). M., W., at 12. EXAM GROUP: 5

An introduction to the history of photography as it developed in Europe and the United States from the pre-history of the medium to the present day. Emphasis is placed on the frequently encumbered relation between photography and the other visual arts, as well as on shifting critical attitudes toward photography's aesthetic and cultural significance.



History of Art and Architecture 182. Pictorial Intelligence in Later Chinese Art:

Proseminar

Catalog Number: 3726 Enrollment: Limited to 12.

Eugene Yuejin Wang

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines paintings and woodblock prints of the Ming (1368-1644) and Qing (1644-1911) periods, with emphasis on pictorial intelligence as a special form of cognition and communication.

History of Art and Architecture 182x. Ritual and Representation: The Buddhist Art and Architecture of Japan: Proseminar

Catalog Number: 2212 Enrollment: Limited to 12.

Cherie A. Wendelken

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Examines the art and architecture of Japan's varied Buddhist traditions, emphasizing the ritual context. The form, meaning, and use of sculpture, narrative painting, sacred landscapes, and architectural monuments will be discussed as part of religious practice within different sects of Buddhism in premodern Japan. The seminar will also consider the cultural and historical changes of the late 19th and early 20th centuries, when ritual objects and buildings began to be experienced and collected as art. Some background in art history or Japanese history recommended.

History of Art and Architecture 183k. Principles of Indian Temple Architecture

Catalog Number: 6065 Enrollment: Limited to 12.

Pramod Chandra

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Acquaints students with recently developed scholarly methods necessary for the study and understanding of the principles of Indian temple architecture. Typology and architectural analysis in a comparative context are emphasized.

[History of Art and Architecture 184x. Painting of India]

Catalog Number: 7460 Enrollment: Limited to 12.

Pramod Chandra

Half course (spring term). Hours to be arranged.

The course examines some important styles, notably ancient wall painting as preserved at Ajanta, western Indian Manuscript painting, the Mughal School patronized by the emperor Akbar and its origins, and 17th-century painting from selected states of Rajasthan. Patronage, and the relationship of painting to literature, music, religion, and political, social, and cultural conditions will also be studied.

Note: Expected to be given in 2002–03.

History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec

Catalog Number: 9976

Thomas B.F. Cummins (University of Chicago)

Half course (fall term). M., W., at 11. EXAM GROUP: 4

This course concentrates on the art and architecture of the two ancient American civilizations,



surveying the forms of representation used to establish imperial presence within the accepted vernacular of Mesoamerican and Andean artistic traditions. Special attention is given to the role of art as a means of expressing imperial claims to mythic and historic precedents, upon which political and economic expansion could be realized.

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., 3–5. EXAM GROUP: 8, 9

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. Limited to 12.

John Shearman and Henry William Lie

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

To equip the historian with critical and informed approaches to the range, uses, ambiguities, instruments, and computer applications of scientific, diagnostic investigation of art and architecture, potentially in all media and periods. In short: better to know what we are looking at. In collaboration with specialists in the Straus Center.

History of Art and Architecture 221. Visual Encounters: Artistic Relations Between Europe and the Islamic World

Catalog Number: 6163 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar and David J. Roxburgh

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The impact of European art on Islamic visual culture is explored in aesthetic, cultural, scientific, and philosophical terms to understand the receptivity to Western architecture and imagery.

Focusing on 15th through 18th century material, the seminar addresses the nature of interaction and reaction. Projects on earlier and later periods encouraged.

[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 (fall term). Hours to be arranged.

Inquiry into the major sculptural programs of Neo-Assyrian palaces, 9th through 7th centuries BCE. Special attention will be given to the historical surround of individual Assyrian rulers, and to royal texts [in translation] as a way to probe the meaning of the reliefs—their rhetorical



function within the palace setting, and their visual impact—in Assyrian terms.

Note: Expected to be given in 2001–02.

History of Art and Architecture 235. Water in the Roman City: Architecture, Aesthetics, Politics

Catalog Number: 9309 Enrollment: Limited to 15.

Rabun Taylor

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The Roman image of civilized life presumed abundant water supplies for baths, pools, fountains, displays, gardens, nautical theater, and everyday consumption. Using physical and testimonial evidence, students will inquire how Roman urbanistic policy and architectural design responded to, and encouraged, the liberal use of water as both commodity and amenity.

History of Art and Architecture 240r. Byzantine Art

Catalog Number: 4109 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course will run in conjunction with the preparation for the exhibition “Presenting Byzantine Women.” The students will organize and prepare the presentation of the objects and the final write up of the catalogue.

History of Art and Architecture 241. Imago: The Theology and Anthropology of the Medieval Image

Catalog Number: 8088 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

The interpretation of medieval art has been framed in terms of oppositions: production vs. reception, aesthetics vs. function, artist vs. audience. The seminar will explore the medieval image as idea and artifact, relating visual rhetoric to modes of argument framing and forming religious experience in theological and devotional discourses.

[History of Art and Architecture 251r. Italian Art of the Renaissance: Seminar]

Catalog Number: 6632 Enrollment: Limited to 12. Limited to 12.

John Shearman

Half course (fall term). Hours to be arranged.

Focuses on a limited aspect of Renaissance Art in Italy, but always examines a substantial body of material. Topic is different each year, to be determined in consultation with prospective students.

Note: Expected to be given in 2001–02.

History of Art and Architecture 252. Albrecht Dürer

Catalog Number: 5272 Enrollment: Limited to 12.

Friedrich Teja Bach (University of Vienna)

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

The seminar will discuss exemplary aspects of Dürer’s art and attempt to reconstruct the cultural contexts from which it emerges and to which it responds (Nuremberg around 1500, humanism).



It will focus on Dürer's *Apocalypse*, his portraits, the illustrations for the *Prayerbook* and questions of signature and color.

History of Art and Architecture 254. Modified Expectations: Caravaggio and the Beholder

Catalog Number: 6860 Enrollment: Limited to 12.

Paolo Berdini (Stanford University)

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Caravaggio's imagery defies the tenets of academic theory, according to which an image should fulfill the beholder's expectations of an edifying experience. Yet by defying the ideals of painting Caravaggio discloses dimensions of beholding as such. The seminar explores the circumstances of the beholding of Caravaggio's images.

History of Art and Architecture 265. Baroque Architectural Phenomena

Catalog Number: 0235 Enrollment: Limited to 12.

Alice G. Jarrard

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Starting with 17th-century Rome and historiographic problems, this seminar turns to selected problems of influence and quotation in Europe, Latin America and Asia. By considering means of transmission as well as local traditions of use and design, we will attempt to understand the dialogues inspired by this dynamic architectural style.

History of Art and Architecture 270. Topics in 19th-Century Art

Catalog Number: 1433 Enrollment: Limited to 12.

Henri Zerner

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Ingres's career spans seven decades and several political regimes from Bonaparte's Consulate until Napoleon III (the *Turkish Bath* was completed the same year as Manet's *Olympia*).

Particular attention will be paid to Ingres's concept of art as a cult and the ambiguity of his authoritarian but anti-academic position.

Note: Open to qualified undergraduates.

[History of Art and Architecture 271x. Rethinking the Origins of Modernity: The "New" 18th Century]

Catalog Number: 1598 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). Hours to be arranged.

Discusses the origins of modernity in art, architecture, and visual culture, with emphasis on new methodologies. Among the issues addressed: the public vs. the private sphere; interiors, intimacy, and interiority; high and low culture; the notion of the self; artistic identity; sexuality, sexual difference, and gender; the emergent discourse of race.

Note: Expected to be given in 2001–02.

History of Art and Architecture 273. The Modern Death of the Artist

Catalog Number: 8689 Enrollment: Limited to 12.

Yve-Alain Bois

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7



From the birth of abstraction to the multifarious art production of the 60s, artists have conjured a set of tropes (modular grid, monochrome, etc.) in order to manifest their paradoxical desire for impersonality. We will focus on the recurrence, and recurrent “failure” of this quest for non-subjectivity in art.

[History of Art and Architecture 278y. Modern Art and Subjectivity, 18th Century to the Present]

Catalog Number: 2544 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). Hours to be arranged.

Explores the relation between art and the self in its different, modern configurations. How does art contribute to the formation of subjectivity? What is the place of the visual image within broader cultural discourse of the self in the modern period? How are artists represented in their own works?

Note: Expected to be given in 2002–03.

History of Art and Architecture 289. Topics in Chinese Buddhist Art

Catalog Number: 9011 Enrollment: Limited to 12.

Eugene Yuejin Wang

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Studies some key monuments of Chinese Buddhist art from 4th to 10th century. Focus is on integration of different media—sculptures, wall paintings, and architecture—into an articulated program and space. Sites to be explored include Yungang, Longmen, Dunhuang, Famensi, and others.

History of Art and Architecture 291. Visions and Virgins: Miraculous Images in Colonial Latin America

Catalog Number: 2483 Enrollment: Limited to 15.

Thomas B.F. Cummins (University of Chicago)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This seminar focuses on miraculous Christian images in colonial Latin America. Are they somehow distinct from those of Spain? Are the narratives about them distinct? How does the universality of the Catholic Church become localized through miraculous images? We will also consider issues of orthodox and unorthodox referentiality.

History of Art and Architecture 293. Ideologies of Race and American Visual Culture

Catalog Number: 8792 Enrollment: Limited to 12.

Gwendolyn DuBois Shaw

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

From the Colonial period to the end of the 20th century, this course examines New World ideologies of race by analyzing their impact on and production through the visual arts. Concepts of ethnic identity including constructions of Blackness and Whiteness will be discussed.

Cross-listed Courses



[Afro-American Studies 165y. African Women in Art and History]
 Afro-American Studies 166. Proseminar: Contemporary African American Visual Culture
 Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200–300 BCE
 [Classical Archaeology 136. Archaeology of the Aegean Bronze Age]
 Classical Archaeology 140. The Parthenon
 Classical Archaeology 145. The Representation of Women in Ancient Greece
 [Classical Archaeology 150. Archaic Greece]
 Classical Archaeology 151. Landscape in Classical Art
 [Classical Archaeology 160. Vase-painting and Iconography]
 [Classical Archaeology 180. Coinage, Politics, and Economy in the Greek World]
 Classical Archaeology 242. Greek Funerary Art
 [German 155. Weimar Cinema: The Laboratory of Modernity]
 [History 1463. Paris From the French Revolution Through the 19th Century: Conference Course]
 [Literature and Arts B-10. Art and Visual Culture: Introduction to the Historical Study of Art and Architecture]
 Literature and Arts B-21. The Images of Alexander the Great
 [Literature and Arts B-27. Majesty and Mythology in African Art]
 Literature and Arts B-31. The Portrait
 [Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court]
 Literature and Arts B-44. The Architecture of Capital and Court in Western Europe, 1600–1800
 Literature and Arts B-46. Art in the Wake of the Mongol Conquests: Genghis Khan and His Successors
 Literature and Arts B-48. Chinese Imaginary Space
 Literature and Arts C-69. Pompeii
 [Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]
 Medieval Studies 105. Production of Manuscripts and Printed Books Before 1600
 Religion 2348ab. Archaeology and the World of the New Testament: Seminar
 *Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course
 *Visual and Environmental Studies 155ar. Film Architectures: Seminar Course
 *Visual and Environmental Studies 155br. A Cultural Study of Film: Mapping and Fashioning Space: Seminar Course
 Visual and Environmental Studies 159ar. The Moving Image: Film and Visual Representation
 *Visual and Environmental Studies 160. Modernization in the Visual United States Environment, 1890–2035
 *Visual and Environmental Studies 166. North American Seacoasts and Landscapes, Discovery to Present: Seminar

Graduate Courses of Reading and Research

***History of Art and Architecture 300. Reading and Research**

Catalog Number: 5716

Suzanne P. Blier 3472 (on leave 2000-01), Yve-Alain Bois 2922 (on leave 2001-2002), Pramod



Chandra 7186 (on leave fall term), Marjorie B. Cohn 4468, Harry A. Cooper 1728, Thomas B.F. Cummins (University of Chicago) 3568, James Cuno 2925, Eugene F. Farrell 1009, Ivan Gaskell 3174, Jeffrey F. Hamburger 3800 (on leave fall term), Alice G. Jarrard 2400 (on leave spring term), Ioli Kalavrezou 2242, Deborah Martin Kao 3345, Ewa Lajer-Burcharth 3373 (on leave 2000-01), 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 (on leave fall term), William W. Robinson 2239, David J. Roxburgh 2138 (on leave 2001-2002), Gwendolyn DuBois Shaw 3799, John Shearman 1689 (on leave 2000-01), Rabun Taylor 4253 (on leave fall term), Eugene Yuejin Wang 3600, Irene J. Winter 1955 (on leave fall term), Stephan S. Wolohojian 2756, and Henri Zerner 3792

Individual work in preparation for the General Examination for the Ph.D. degree or, by arrangement, on special topics not included in the announced course offerings.

***History of Art and Architecture 301. Museum Apprenticeship**

Catalog Number: 1912

Marjorie B. Cohn 4468, Ioli Kalavrezou 2242, and Henri Zerner 3792

Members of the Fogg Museum Staff — Curatorial research.

***History of Art and Architecture 309. Thesis Colloquium and/or Thesis Defense**

Catalog Number: 6568

Henri Zerner 3792

Note: May not be counted toward course requirements for the Ph.D. degree, but is required before the degree may be granted.

***History of Art and Architecture 318. Methods and Theory of Art History**

Catalog Number: 7879 Enrollment: Limited to 12.

Henri Zerner 3792

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

***History of Art and Architecture 399. Direction of Doctoral Dissertations**

Catalog Number: 6575

Suzanne P. Blier 3472 (on leave 2000-01), Yve-Alain Bois 2922 (on leave 2001-2002), Pramod Chandra 7186 (on leave fall term), James Cuno 2925, Jeffrey F. Hamburger 3800 (on leave fall term), Alice G. Jarrard 2400 (on leave spring term), Ioli Kalavrezou 2242, Joseph Koerner 1954, Ewa Lajer-Burcharth 3373 (on leave 2000-01), Neil Levine 4178, David Gordon Mitten 1290, Gülru Necipoglu-Kafadar 1688, David J. Roxburgh 2138 (on leave 2001-2002), Gwendolyn DuBois Shaw 3799, John Shearman 1689 (on leave 2000-01), Rabun Taylor 4253 (on leave fall term), Eugene Yuejin Wang 3600, Cherie A. Wendelken 3471, Irene J. Winter 1955 (on leave fall term), and Henri Zerner 3792

Note: May not be counted toward course requirements for the Ph.D. degree.



History of Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the History of Science

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*) (*Chair*)
Bridie Andrews, Assistant Professor of the History of Science (*Head Tutor*)
Peder Anker, Lecturer on the History of Science
David S. Barnes, John L. Loeb Associate Professor of the Social Sciences (*Assistant Head Tutor*) (*on leave spring term*)
Mario Biagioli, Professor of the History of Science (*Director of Graduate Studies*)
Robert M. Brain, Assistant Professor of the History of Science (*Assistant Head Tutor*)
Peter Buck, Senior Lecturer on the History of Science
Joseph Dumit, Visiting Assistant Professor of the History of Science (*Massachusetts Institute of Technology*)
Peter L. Galison, Harvard College Professor and the Mallinckrodt Professor of the History of Science and of Physics
Anne Harrington, Professor of the History of Science (*on leave spring term*)
Stephanie Kenen, Lecturer on the History of Science
Everett I. Mendelsohn, Professor of the History of Science
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 2000-01*)
Charles E. Rosenberg, Ernest E. Monrad Professor of Social Sciences (*spring term only*)
Charis Thompson, Visiting Professor of History of Science and Women's Studies

Other Faculty Offering Instruction in the Department of the History of Science

I. Bernard Cohen, Victor S. Thomas Professor of the History of Science, Emeritus
Donald Fleming, Jonathan Trumbull Research Professor of American History
Owen Gingerich, Research Professor of Astronomy and of the History of Science
Stephen J. Gould, Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology and Professor of Geology
Erwin N. Hiebert, Professor of the History of Science, Emeritus
Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*on leave spring term*)
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

Bridie Andrews 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

Robert M. Brain and members of the Department

Half course (fall term). Hours to be arranged.

Sophomore tutorial introduces students to basic problems and methods in the history of science. Students are expected to develop skills in analyzing original sources and in oral and written presentation. Organized into small sections with occasional lectures to the entire class. The first term examines the period from ancient Greece to the Scientific Revolution. Specific topics vary from year to year. Several short papers assigned.

Note: Required for undergraduate concentration in History and Science.

***History of Science 97b. Tutorial — Sophomore Year**

Catalog Number: 5235

Peder Anker 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 S. Barnes 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: Conference Course]

Catalog Number: 1056 Enrollment: Limited to 20.

Bridie Andrews

Half course (spring term). Hours to be arranged.

This course will challenge the concept of a static and traditional “Chinese medicine” by reading translations of texts from different periods and different medical genres (e.g. classical theory, women’s medicine, case study literature, material medica), in the light of recent historical scholarship. The course will also review the history of Chinese medicine in the 20th century, and in particular, its adoption in the West. (DF: M2)

Note: Expected to be given in 2002–03.

[History of Science 106. History of Ancient Science]

Catalog Number: 3958

John E. Murdoch

Half course (fall term). 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 2001–02.

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

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)

Note: Expected to be given in 2001–02.


History of Science 113. Imaging Techniques in Early Modern Science: Conference Course

Catalog Number: 2253 Enrollment: Limited to 15. Limited to 15.

Mario Biagioli
Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

In recent years, historians and sociologists have examined the role of visual representations and imaging techniques in modern science. Course looks at the emergence of these practices during the Scientific Revolution. By looking at the development of instruments such as the telescope and the microscope and at the printed representation of visual evidence in astronomy, anatomy, and natural history, we analyze the scientific and cultural dimensions of the debates about the epistemological status of visual evidence and of its mechanical reproductions. (DF:E3)

History of Science 118v. The Physical World of the 18th and 19th Centuries

Catalog Number: 5123

Katharine Mary Anderson
Half course (fall term). M., W., at 10. EXAM GROUP: 3

This course examines the role of the sciences, especially physical sciences, in the intellectual and cultural worlds of the 18th and 19th centuries. We will consider the appeal (and scandal) of materialism in the Enlightenment, Romantic perceptions of a natural world filled with invisible fluids and forces, and the impact of industrialization on ideas about energy and work. In this period we will encounter developments—of disciplines, laboratories, instruments—that seem familiar to our modern definitions of scientific work. But we will also trace popular engagement with scientific ideas that both shaped and resisted the specialization of science. (DF:M1,M3)

History of Science 120. History and Philosophy of Modern Physics

Catalog Number: 5116

Peter L. Galison
Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Philosophical questions raised by historical developments in 20th-century physics, and conversely, historical-scientific questions raised by philosophical inquiry. Late 19th-century reductionist world views leading to special and general relativity. Einstein's response. Issues in quantum theory and quantum mechanics surrounding causality, determinism, realism, and probabilism. Nuclear fission, and the atomic and thermonuclear weapons. Growth of large-scale experimental high-energy physics. What is meant by "unified" field theories in contemporary physics? Readings: scientific, historical, and philosophical texts. (DF:M3)

Note: Can not be taken for credit by students who have already taken Physics 120.

[History of Science 121. History and Philosophy of Experimentation]

Catalog Number: 5851

Peter L. Galison
Half course (spring term). Hours to be arranged.

Origin of experimentation in late Renaissance and Early Modern alchemical inquiry up through the transformation of modern physics and accompanying computer simulations and large-scale research. Combines historical, sociological, and philosophical analyses in recent studies of Newton's prisms, Millikan's oil drops, pasteurization, solar neutrinos, laser, and weak neutral currents. Topics include: realism, replicability, theory/experiment relation, and problems of philosophical naturalism. What constitutes a laboratory demonstration? What are standards of



evidence and how have they changed? (DF: M3)

Note: Expected to be given in 2002–03.

[*History of Science 122. Physics and War]

Catalog Number: 1061

Peter L. Galison

Half course (spring term). Hours to be arranged.

Physics has transformed warfare in the 20th century and warfare, in turn, has radically altered physics. We will examine the shifting role of physics in World War I, World War II, the Korean and Vietnam Conflicts, the Cold War and beyond. Topics will include: Nuclear Weapons, Radar and Electronics, Large-Scale Physics, Simulations, National Laboratories, Star Wars, Nuclear Waste, and Stockpile Stewardship. (DF: M3)

Note: Expected to be given in 2002–03.

[History of Science 130. Modern Biology]

Catalog Number: 0179

Everett I. Mendelsohn

Half course (fall term). Hours to be arranged.

Covering the period 1750 to the present; movement from natural history to experimental biology; relations between the field and the laboratory; role of observations, representations, experimental practices, instruments and theories; relationship between biology and the physical-chemical sciences, between organisms, machines and molecules; scientific practices and social implications of the new biology. (DF:M2)

Note: Expected to be given in 2001–02.

History of Science 138. Conservation, Ecology, and Environment: Conference Course

Catalog Number: 2390

Everett I. Mendelsohn and Peder Anker

Half course (fall term). W., 4–6. EXAM GROUP: 9

An examination of the science and politics of conservation, ecology, and environment, and their cultural location, using some comparative materials from Europe, Russia and Africa. Particular attention to public organizations, government policy, and scientific knowledge and practice. (DF:M2)

History of Science 139v. Ecology and the Human Condition

Catalog Number: 6412

Peder Anker

Half course (spring term). M., W., at 11. EXAM GROUP: 4

This course focuses on the historical development of human ecology in the 20th century. Various ecological understandings of human philosophy, aesthetics, history, psychology, race, gender, fear, literature, film, religion, sociology, economy, and architecture will be subject to critical discussion. (DF:M2)

***History of Science 140. Disease and Society**

Catalog Number: 4471

Charles E. Rosenberg



Half course (spring term). W., 4–6. EXAM GROUP: 9

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.

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). Th., 2–4. EXAM GROUP: 16, 17

This course will explore the effects of the drugs trade on international relations from pepper in the Middle Ages to cocaine in the recent past. Emphasis is on the specifics of particular historical cases, with examples to be covered varying according to the interests of participants in the course. Possible topics include: the history of uses of cloves, and its importance in the early European imperialism; discovery of American ginseng and its relevance to US-China relations; the history of the trade in mercury; rhubarb, purgative from the East; Coffee and the European Enlightenment. (DF:M1,M2).

[History of Science 142. Ethics and Values in Modern Medicine and Science]

Catalog Number: 6403

Allan M. Brandt

Half course (fall term). Hours to be arranged.

A historical survey of a series of ethical and value conflicts in medicine and science during the last century. Among the topics considered are issues in the history of the doctor-patient relationship; the growth and impact of medical technologies; genetic engineering; regulation of scientific research; the ethics of health policy. The social, political, and cultural contexts of medical and scientific developments are assessed in historical perspective. (DF:M2)

Note: Expected to be given in 2001–02.

[History of Science 143. History of Germs]

Catalog Number: 4541

David S. Barnes

Half course (spring term). Hours to be arranged.

The scientific and cultural history of pathogenic microbes, from Medieval and Renaissance notions of contagion through the Bacteriological Revolution to the present day. Emphasis on responses to epidemic and endemic diseases, the growing prestige of biomedical science since the mid-19th century, and the role of social conflict in shaping fears of contagion. (DF:M1,M2)

Note: Expected to be given in 2001–02.

History of Science 144. Medicine, Degeneration, and Eugenics

Catalog Number: 3148

Stephanie Kenen

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

In the later 19th and early 20th centuries, eugenic thinking paralleled fears of degeneration in the widespread preoccupation with the decline of civilization. This course will look at the role of



scientific and especially medical “experts” in promoting both the problem of and the remedy for this perceived decline. Emphasis will be on changing ideas of “otherness” as symbol and cause of degeneration, and on proposed programs for regeneration (sports, war, selective breeding). Primary focus on the United States and Europe. (DF: M1)

History of Science 145. Public Health in Historical Perspective

Catalog Number: 9956

David S. Barnes

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Surveys the health of human populations and the science of improving it, from the Renaissance to the present. Covers both shifting patterns of disease in the past and the emergence of public health as a domain of expert knowledge and policy. Topics include the epidemiological transition, urbanization, colonialism, notable epidemics, and the political dimensions of health and disease. (DF:M1,M2)

***History of Science 147. Sex, Gender, and Modern Medicine: Conference Course**

Catalog Number: 4221 Enrollment: Limited to 18.

Stephanie 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 questions of how modern western medical traditions have viewed male and female bodies and defined their health and illnesses accordingly, and how western medicine has defined and policed the erotic relationships between the sexes. Emphasis on 19th- and 20th- century U.S. and Britain. (DF:M1,M2)

History of Science 152. Filming Science

Catalog Number: 1658

Peter L. Galison and Robb Moss

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 154v. Gender and Science

Catalog Number: 4957

Charis Thompson

Half course (fall term). M., W., at 2. EXAM GROUP: 7

This course covers: (1) Women in Science (recovering in the historical record and promoting women and minorities in science). (2) Feminist Epistemology and Science (the gendering of science itself, and the special roles of experience, identity, connectivity, and embodiment in feminist epistemology). (3) The Body, Sexuality, Queer Theory and Science (the sciences of gendered, especially female, bodies and psychologies, masculinity studies; the sciences of sexuality). (4) Gender and Science in Transnational Perspective (science as providing a



transnational language for, and hierarchy of, gendered, bodies). (5) Feminist Science and Technology Studies (science and technologies “for”, or of special interest to, women). (DF:M1)

***History of Science 161 (formerly History of Science 161v). The Scientific Revolution**

Catalog Number: 4946

Mario Biagioli

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines the transformation of scientific culture in the 16th and 17th centuries in relationship to society, politics, and religion. Topics include the development of the disciplines of astronomy, anatomy, and natural history; the emergence of new scientific communities and new views of nature; the development of scientific practices such as observation and experimentation. Figures such as Copernicus, Vesalius, Bacon, Harvey, Descartes, Galileo, and Newton are treated in some detail. (DF:E3)

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]

Catalog Number: 6245

Anne Harrington

Half course (fall term). Hours to be arranged.

An attempt to integrate the history of medical thought on the nature of madness and the madman with recent historiography on the social history of psychiatry and its institutions. Topics include the birth of the asylum, the challenge of “moral therapy,” madness and the brain, madness from the patient’s point of view, the “discovery of the unconscious,” schizophrenia, and the antipsychiatry movement. (DF:M2)

Note: Expected to be given in 2001–02.

[History of Science 176. Evolution and the Mind: Conference Course]

Catalog Number: 6736 Enrollment: Limited to 20. Limited to 20. Preference given to juniors and seniors.

Anne Harrington

Half course (fall term). Hours to be arranged.

Explores tensions and themes in the historical attempt to reconcile the problem of mind and consciousness with evolutionary models of life since Darwin. Examples include the human mind as the Achilles heel of the naturalistic (post-Darwinian) world view, the case for the “emergence” of mind out of matter, the evolutionary argument for mind as epiphenomenon, cosmic Mind as the driving force behind evolution, the problem of the “savage mind,” madness as evolutionary regression. Particular attention to the social and ethical implications of all these debates. (DF:M2)

Note: Expected to be given in 2001–02.

History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine

Catalog Number: 4338

Anne Harrington

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An historical probe into the logics and stakes of modern (19th-20th century) thinking and practices concerned with “mind–body” interactions. Topics include: hypnosis; hysteria; the rise



of psychosomatic medicine; medical investigations of non-Western phenomena such as “chi” and meditative practices; concerns with human connection and disconnection as sources of healing and illness; the recent rise of psychoneuroimmunology. Analytic emphasis is on integrating questions about the nature of embodied experience over time with questions about the logic of our institutionalized efforts to “domesticate” that experience within the changing explanatory frames of Western medical science. (DF:M2)

History of Science 179v. Brains in Culture: Love, Lies & Neurotransmitters American Style

Catalog Number: 7176

Joseph Dumit (Massachusetts Institute of Technology)

Half course (spring term). M., W., at 11. EXAM GROUP: 4

This course examines the brain as a cultural object in contemporary media, science, and society including historical views of the brain, digital images of the brain, psychopharmacology, mental illness, neurotransmitters, and the cultures of brain science. We will explore cultural assumptions about neuroscience by drawing on science and technology studies, semiotics, and the cognitive sciences. Topics include different rhetorical modes of presenting brain evidence, uses and abuses; presuppositions of human nature and society built into brain research; and the sociological relationship between brain sciences, science journalism, popular psychology, and self-help. www.BrainArchives.com. (DF:M2)

History of Science 181. Science, Technology, and Modernity

Catalog Number: 6978

Robert M. Brain

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Examination of the role of science and technology in the experience of modernity from 1800 to 1918. Themes include the myths of Faust and Frankenstein and the ideals of personal economic development, steam engines and railways, technological utopias and dystopias, telegraphy and the growth of empire, standardization and commodity culture, electric power systems, urban planning, the mechanization of the body, technology and the arts, and technological warfare. (DF:M1)

History of Science 182. Gender and Technology in East Asia: Lecture

Catalog Number: 1762

Bridie Andrews

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

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)

***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)

Note: Expected to be omitted in 2001–02.

[*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 2001–02.

History of Science 185. Romanticism and the Sciences

Catalog Number: 3225

Robert M. Brain

Half course (spring term). M., 4–6. EXAM GROUP: 9

Examines the emergence of a Romantic tradition in the natural sciences out of the promises and anxieties of revolution at the end of the 18th century. Topics include the place of reflection, self-experiment, introspection, historicism, and aesthetic values in science. Considers the philosophical and empirical legacy of romantic science in national and international contexts. (DF:M1)

Cross-listed Courses

Historical Study A-18. Science and Society in the 20th Century

Historical Study A-27. Reason and Faith in the West

[Historical Study A-34. Medicine and Society in America]

[Historical Study B-46. The Darwinian Revolution]

[Science A-41. The Einstein Revolution]

[*Sociology 165. Science and Culture: Conference Course]

Women's Studies 110a. Bodies and Boundaries

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). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2000-2001: Aristotle's views of psychological processes in his *De anima* and his minor



psychological writings and related works of others in later Greek philosophy and medicine. Current controversial topics relating to this literature will also be considered. (DF:E1)

***History of Science 207r. Medieval Science: Seminar**

Catalog Number: 8468

John E. Murdoch

Half course (spring term). Th., 2–4.

Topic for 2000-2001: The development of logic and semantics in the Latin Middle Ages and the application of logical techniques and conceptions in the natural philosophy of Willian Ockham, John Buridan, and others in the 14th century. (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

Half course (fall term). Hours to be arranged.

Topic for 2001-02 to be announced. (DF: E2,E3)

Note: Expected to be given in 2001–02.

History of Science 217v. The Problematic Sciences

Catalog Number: 6151

Katharine Mary Anderson

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course explores the models and methods of physical science in the 19th century and looks at their application to problematic fields of study such as meteorology, social science, and occult phenomena. (DF:M3)

History of Science 222. Research in the History and Philosophy of Physical Sciences

Catalog Number: 4178

Peter L. Galison

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Graduate Seminar: Students will work on advancing their research topics with the aim of producing a publishable paper. Open to students working in the broad area of 19th- through early 21st- century physics, technology, chemistry as well as the relation between the science and architecture (DF:M3)

[*History of Science 230r. The Life Sciences: Seminar]

Catalog Number: 0585

Everett I. Mendelsohn

Half course (spring term). Hours to be arranged.

Concepts, methods, practices, and social relations of the life sciences in the modern period. Particular attention paid to the relationship of biology to the chemical and physical sciences, complexity, organization, and evolution; the rise of genetics and challenges of eugenics and ecological biology. Focus for the year: the 20th century. (DF:M2)

Note: Expected to be given in 2001–02. Open to qualified undergraduates.



[*History of Science 244. Research in the History of Medical Ethics: Seminar]

Catalog Number: 6301

Allan M. Brandt

Half course (spring term). Hours to be arranged.

Course provides a framework for the historical examination of debates concerning medical ethics, and seeks to identify social, cultural, political, and economic forces that have shaped value conflicts in clinical medicine and health policy. Students are expected to write a research paper utilizing primary and archival source materials. (DF:M2)

Note: Expected to be given in 2001–02.

History of Science 247. Current Issues in the History of Medicine: Seminar

Catalog Number: 2638

David S. Barnes and Allan M. Brandt

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores new methods for understanding disease, medicine, and society, ranging from historical demography to cultural studies. Topics include patterns of health and disease, changes in medical science and clinical practice, the doctor-patient relationship, health care systems, alternative healing, and representations of the human body. (DF:M1,M2)

[*History of Science 251. Women, Gender, Feminism and the Sciences: Conference Course]

Catalog Number: 4189

Everett I. Mendelsohn

Half course (spring term). Hours to be arranged.

Course has four units: (i) women in science—invisibility and exclusion; (ii) gendered knowledge and practice—discourse, language and labs; (iii) feminist critiques of the sciences—a separate epistemology, a feminine way of knowing? (iv) changing historiographic traditions, Rossiter, Keller, Schiebinger, Haraway, et al. Includes visits by practitioners and historians. (DF:M1)

Note: Expected to be given in 2001–02. Open to qualified undergraduates.

History of Science 253v. Reproductive Technologies: Identity, Science and Politics

Catalog Number: 3884

Charis Thompson

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This graduate seminar covers the new techniques available for conceiving, gestating, and cloning humans, fauna and flora. Using scientific, environmental, medical, legal, literary, and economic texts, as well as relevant media coverage, the class will discuss the science and art of reproductive technologies and the ontologies, economics, and identities they entrain. (DF:M2)

[History of Science 261. Fraud, Intellectual Property, Authorship and Responsibility in Science]

Catalog Number: 3446

Mario Biagioli

Half course (fall term). Hours to be arranged.

Examines the debates on authorship, responsibility, and credit in science in the wake of recent cases of fraud and misconduct. By bringing together perspectives from law, sociology of science, and literary theory, the seminar analyzes the similarities and differences between intellectual



property and authorship in science and in other disciplines. (DF:E3)

Note: Expected to be given in 2001–02.

History of Science 263. Science and/as Literature

Catalog Number: 2704

Mario Biagioli

Half course (fall term). Th., 4–6. EXAM GROUP: 18

This course considers relationships between science and literature: the literary structure of scientific arguments; the history of scientific genres (the experimental report, the scientific article, reports of fieldwork, and travel, etc); science fiction and representations of science in popular literature; and the relationship between literary plots and scientific arguments. (DF:M1)

[History of Science 275. “The Minded Body”: Theoretical and Empirical Explorations]

Catalog Number: 8536

Anne Harrington

Half course (fall term). Hours to be arranged.

Attempts, via a case study approach, to explore “embodiment”—human bodily experience—as part of the proper world of historical and cultural intellectual analysis. Can historical work be done “under the skin”? Theoretical readings will be drawn here from “body history”, anthropology, phenomenological psychology and medicine. A significant independent research project will be expected. (DF: M2)

Note: Expected to be given in 2001–02.

***History of Science 278. In Search of Mind: Seminar**

Catalog Number: 0304

Anne Harrington

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A series of “expeditions” through the four “territories” of the mind: language, emotion, meaning-making, and memory. Reading broadly across disciplines and over a century of shifting focuses, we will aim in this seminar to construct new, less linear, ways of imagining the history of the mind sciences in our time. (DF:M2).

History of Science 279v. Critical Brain Theory: Archives & Memory

Catalog Number: 6251

Joseph Dumit (Massachusetts Institute of Technology)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

In 1952, doctors removed the hippocampus from patient “H.M.” Thereafter he could form no new memories and became an essential subject of psychology and neuroscience. We will use historiography, semiotics, and (post)structuralism alongside the H.M. archive to study the cultural nature of memory and the human nature of archives. www.BrainArchives.com. (DF:M2)

[*History of Science 280. Science and Spectacle]

Catalog Number: 0796

Robert M. Brain

Half course (spring term). Hours to be arranged.

Examination of the role of spectacle, ocularity, media technologies, and the “exhibitionary



complex” in the making of a scientific culture from the 18th century to the present. Special emphasis on the role of visualization technologies in the modern laboratory and their transfer to extra-mural contexts. (DF:M1)

Note: Expected to be given in 2001–02.

***History of Science 290r. Selected Topics in History and Philosophy of Biology**

Catalog Number: 8108

Everett I. Mendelsohn

Half course (spring term). W., 2–4. EXAM GROUP: 16, 17

(DF:M2)

Prerequisite: Ordinarily one half course at the advanced level in history or philosophy of biology.

***History of Science 295r. Critical History: Writing Between Humans and Non-Humans**

Catalog Number: 8360 Enrollment: Limited to 12.

Peter L. Galison and Mario Biagioli

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Philosophical, literary theoretical, sociological, and historical approaches to the treatment in science studies of the encounter between humans and non-humans. Graduate Seminar. (DF:M3)

History of Science 297r. Topics in the History of Medieval Latin Science

Catalog Number: 5050 Enrollment: Hours to be arranged.

John E. Murdoch

Half course (spring term). Hours to be arranged. First Meeting Thurs., 2/1/01 at 4:00.

(DF:E2)

Note: First Meeting Time Th., Feb 1 @ 4pm.

Prerequisite: Reading knowledge of Latin.

***History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar**

Catalog Number: 4893 Enrollment: Hours to be arranged.

John E. Murdoch

Half course (spring term). Hours to be arranged. First Meeting on Thurs. 2/1/01 at 5:00.

The problems and methods involved in preparing critical editions of texts from manuscript materials: principles of establishing the “accepted text,” manuscript tradition, and appropriate *apparatus criticus* when several manuscripts are employed, as well as the resolution of palaeographic problems. (DF:E2)

Note: First Meeting Time Th., Feb 1 @ 5pm.

Prerequisite: Knowledge of Latin, but no previous experience with palaeography required.

Graduate Courses of Reading and Research

For Science Technology and Public Policy Seminar S482, see the Kennedy School of Government catalog.

***History of Science 300. Direction of Doctoral Dissertations**

Catalog Number: 3388



Mario Biagioli 1756, Allan M. Brandt 3031, Peter L. Galison 3239, Owen Gingerich 1159, Anne Harrington 1895 (on leave spring term), Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974 (on leave 2000-01), and Charles E. Rosenberg 3784

Note: Under special circumstances arrangements may be made for other instruction in guidance for doctoral theses.

***History of Science 301. Reading and Research**

Catalog Number: 5641

Katharine Mary Anderson 3899 (fall term only), Bridie Andrews 1409, Peder Anker 3315, David S. Barnes 1701 (on leave spring term), Mario Biagioli 1756, Robert M. Brain 2676, Allan M. Brandt 3031, Peter Buck 1894, I. Bernard Cohen 1185, Joseph Dumit (Massachusetts Institute of Technology) 3903, Donald Fleming 1831, Peter L. Galison 3239, Owen Gingerich 1159, Stephen J. Gould 1707, Anne Harrington 1895 (on leave spring term), Erwin N. Hiebert 1187, Gerald Holton 1883, Sheila S. Jasanoff (Kennedy School, Public Health) 2248 (on leave 2001-2002) (spring term only), Stephanie Kenen 1535, Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974 (on leave 2000-01), Charles E. Rosenberg 3784 (spring term only), Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, and Charis Thompson 3751

Individual work in preparation for the General Examination for the Ph.D. degree.

***History of Science 302. Guided Research**

Catalog Number: 5282

Katharine Mary Anderson 3899, Bridie Andrews 1409, Peder Anker 3315, David S. Barnes 1701 (on leave spring term), Mario Biagioli 1756, Robert M. Brain 2676, Allan M. Brandt 3031, Peter Buck 1894, I. Bernard Cohen 1185, Joseph Dumit (Massachusetts Institute of Technology) 3903, Peter L. Galison 3239, Owen Gingerich 1159, Stephen J. Gould 1707, Anne Harrington 1895 (on leave spring term), Erwin N. Hiebert 1187, Gerald Holton 1883, Stephanie Kenen 1535, Everett I. Mendelsohn 2700, John E. Murdoch 1877, Katharine Park 2974 (on leave 2000-01), Charles E. Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, and Charis Thompson 3751

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



P. Oktor Skjaervo, Aga Khan Professor of Iranian (*Chair (fall term)*) (*on leave spring term*)
 Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages (*Acting Chair, Spring Term*)
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair (spring term)*) (*on leave spring term*)
 William A. Graham, Jr., Professor of the History of Religion and Islamic Studies and Murray A. Albertson Professor of Middle Eastern Studies
 Milan G. Hejtmanek, Assistant Professor of Korean History
 Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
 Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations
 C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
 David J. Roxburgh, Associate Professor of History of Art and Architecture (*on leave 2001-2002*)
 Sinasi Tekin, Senior Lecturer on Turkish
 Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies
 Michael Witzel, Wales Professor of Sanskrit
 Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies (*on leave spring term*)

The Committee supervises the work of graduate students whose interest in Inner Asia is not confined to languages alone, or history alone, but encompasses linguistics, history, religion, art history, and general cultural study. Courses relating to Inner Asian Studies are given by members of the Committee and other faculty in the departments of Anthropology, East Asian Languages and Civilizations, History, History of Art and Architecture, Linguistics, Near Eastern Languages and Civilizations, and Sanskrit and Indian Studies, and by the Committee on the Study of Religion. Interested students should consult these sections of the catalog. The Committee has offices at Coolidge Hall 102, 1737 Cambridge St., Cambridge, MA, 02138; (617) 495-3777.

Latin American and Iberian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Latin American and Iberian Studies

John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs and Director of the David Rockefeller Center for Latin American Studies (*Chair, spring term*) (*on leave fall term*)
 Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures (*Acting Chair, fall term*)



Thomas N. Bisson, Henry Charles Lea Professor of Medieval History
 Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*on leave spring term*)
 Jorge I. Domínguez, Harvard College Professor, Clarence Dillon Professor of International Affairs, and Director of the Weatherhead Center for International Affairs (*on leave 2000-01*)
 Bradley S. Epps, Professor of Romance Languages and Literatures (*on leave fall term*)
 William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology
 Jeffrey Frieden, Stanfield Professor of International Peace, Acting Director of the Weatherhead Center for International Affairs
 Mary Gaylord, Professor of Romance Languages and Literatures
 N. Michele Holbrook, Thomas D. Cabot Associate Professor of Organismic and Evolutionary Biology
 Steven R. Levitsky, Assistant Professor of Government and of Social Studies
 Jane E. Mangan, Assistant Professor of History
 Francisco Márquez, Arthur Kingsley Porter Research Professor of Romance Languages and Literatures
 J. Lorand Matory, Professor of Anthropology and of Afro-American Studies (*on leave spring term*)
 David H. P. Maybury-Lewis, Edward C. Henderson Professor of Anthropology (*on leave spring term*)
 José Antonio Mazzotti, Assistant Professor of Romance Languages and Literatures (*on leave spring term*)
 Otto T. Solbrig, Bussey Professor of Biology, Acting Director of the David Rockefeller Center for Latin American Studies
 Doris Sommer, Professor of Romance Languages and Literatures
 Kay B. Warren, Professor of Anthropology
 John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics (*on leave 2000-01*)

The Committee on Latin American and Iberian Studies, established in 1960, forms part of the David Rockefeller Center for Latin American Studies. Its purpose is to coordinate the Center's research and curricular programs that operate solely within the Faculty of Arts and Sciences, including Harvard College and the Graduate School of Arts and Sciences. The Committee presently includes twenty-three members representing nine academic disciplines appointed by the Dean of the Faculty of Arts and Sciences. Harvard/Radcliffe students have developed undergraduate programs focused on Latin America in Afro-American Studies, Anthropology, Biology, Environmental Studies, Government, History, History and Literature, Romance Languages and Literatures, Social Studies, and the Special Concentrations program. The Committee itself does not offer an undergraduate concentration or an advanced degree.

The David Rockefeller Center for Latin American Studies, founded in 1994, coordinates and supports research, teaching, and public programs on Latin America and related fields such as the Caribbean, the Iberian peninsula, and the Latin American diaspora in the United States throughout the University. It works to strengthen ties between Harvard and the countries of Latin America and to promote public understanding of the cultures, histories, and societies of this



diverse region. The Center's governing bodies and committees include faculty from many faculties, departments, and the professional schools; the Center's annual Directory of Faculty and Professional Staff lists over 150 faculty members, librarians, curators, administrators, and visiting fellows and scholars with substantial Latin American or related interests.

The Center sponsors lectures, seminars, conferences, exhibitions, and other academic and cultural events; supports faculty research; advises students; funds summer research travel grants to graduate, professional, and undergraduate students; manages the competition for Title VI Foreign Language and Area Studies Fellowships for graduate and professional students; hosts visiting scholars and fellows; and administers the Robert F. Kennedy Visiting Professorship of Latin American Studies.

The Center publishes a monthly calendar from September to May; the DRCLAS Newsletter each semester; an annual Guide to Courses that lists over 150 courses on Latin America and related topics at Harvard each year; and the Directory of Faculty and Professional Staff mentioned above.

The office of the Committee is in 61 Kirkland Street, Cambridge, MA, 02138.

Linguistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Linguistics

Jay H. Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*Chair*) (*on leave spring term*)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology

Susanne Gahl, Lecturer on Linguistics

Susumu Kuno, Professor of Linguistics

Lisa Lavoie, Lecturer on Linguistics

Lynn Nichols, Assistant Professor of Linguistics (*on leave fall term*)

Bert Vaux, Associate Professor of Linguistics (*Head Tutor*) (*on leave spring term*)

Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics

Other Faculty Offering Instruction in the Department of Linguistics

Alfonso Caramazza, Professor of Psychology

Wesley M. Jacobsen, Professor of the Practice of the Japanese Language



P. Oktor Skjaervo, Aga Khan Professor of Iranian (*on leave spring term*)

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 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). Spring: W., 3–5. EXAM GROUP: Spring: 8, 9

Intensive study in a selected linguistic area such as phonology, syntax, historical linguistics, phonetics, morphology, semantics, psycholinguistics, acquisition, sociolinguistics, creole studies, or computational linguistics. Meets as two six-week small-group tutorials, in both the fall and spring terms.

Note: Required of concentrators.

***Linguistics 98a. Group Tutorial — Junior Year**

Catalog Number: 4222

Bert Vaux and members of the Department

Half course (fall term). M., Tu., or W., 3–5. EXAM GROUP: 8, 9

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 80. Dialects of English

Catalog Number: 4695

Bert Vaux

Half course (spring term). M., W., F., 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 81. Language and Gender]

Catalog Number: 4668

Half course (fall term). Hours to be arranged.

This course explores connections between language use, sex, and gender. Do sex and gender affect the ways we speak and the ways we interpret and evaluate speech? How do differences in people's sociocultural positions, particularly their degree of power, affect how they use language, how others interpret what they say or write, and their relation to linguistic change? How does conversation structure the social worlds of men and women? How do linguistic practices support or challenge gender arrangements? We will explore a range of aspects of language use that have been claimed to interact significantly with gender. These include: apologies, compliments and complaints, gossip, asking for/giving directions, metaphors, bragging, elaborate use of adjectives, use of conversation particles (such as "like" or "you know"), conversational turn-taking, media messages, self-help literature, widespread use of question intonation, and "verbal hygiene" practices. Students will collect their own data to challenge or support published findings and put forth new generalizations.

Note: Expected to be given in 2001-02.

[Linguistics 85. English Etymology]

Catalog Number: 1081

Half course (spring term). Hours to be arranged.

Introduction to the historical study of English with an emphasis on words and their histories, and what information they can give us about the sociocultural history of the English-speaking people. The course will discuss the origins and development of the English language, the historical science of etymology, the study of Indo-European roots, and the position of English in the Indo-European family. Other topics addressed will be the impact on English of such languages as Old Norse, Norman French, Latin, and Greek, with an investigation of attendant sociolinguistics



issues. No prior knowledge of linguistics, historical linguistics, Old English, or Indo-European will be assumed.

Note: Expected to be given in 2001–02.

Linguistics 110. Introduction to Linguistics

Catalog Number: 1498

Susanne Gahl

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

An introduction to contemporary linguistic theory and methods of linguistic analysis: phonetic transcription, phonological, morphological, and syntactic analysis, and methods in comparative and historical linguistics. Some psycholinguistic aspects of language will also be examined. The discussion will draw on data from a wide variety of languages.

Linguistics 112a. Introduction to Syntactic Theory

Catalog Number: 7318

Jon Nissenbaum

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Phrase-structure analysis, motivation for transformations, constraints on rule application and conditions on representations.

Linguistics 112b. Intermediate Syntax

Catalog Number: 4730

Jonathan Nissenbaum

Half course (spring term). F., at 12, Tu., 3–5. EXAM GROUP: 5

Continuation of 112a. Fundamental principles and parameters of Government and Binding Theory.

Prerequisite: Linguistics 112a.

Linguistics 114. Introduction to Morphology

Catalog Number: 1289

Susanne Gahl

Half course (fall term). F., 1–3, W., at 2. EXAM GROUP: 6, 7

An introduction to the analysis of word structure. The focus will be on analyzing morphological phenomena in a wide range of typologically diverse languages. Topics to be addressed include the place of word formation in relation to phonological and syntactic phenomena, as well as the contribution of morphological analysis to our understanding of lexical processing.

Linguistics 115. Introduction to Phonetics and Phonology

Catalog Number: 2791

Lisa Lavoie

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Analysis of phonetic and phonological data from a wide variety of languages. Topics covered include articulatory phonetics, production of the sounds of the world's languages, underlying and surface representations, phonemes, phonetic variation, distinctive features, rules and their ordering, language acquisition and change, acoustic analysis of speech and phonetic issues in speech synthesis and speech recognition.



Linguistics 116. Semantics

Catalog Number: 6115

Jonathan Nissenbaum

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

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.

Linguistics 117r. Linguistic Field Methods

Catalog Number: 8401

Lynn Nichols

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Instruction in the elicitation of phonological, morphological, and syntactic information from a native speaker of an unfamiliar language. Participants work directly with the informant, both individually and as a group, with the assistance of the instructor.

Linguistics 118. Introduction to Discourse Analysis

Catalog Number: 8709

Susumu Kuno

Half course (fall term). M., W., at 1. EXAM GROUP: 6

An examination of various principles that govern communication between the speaker/writer and the hearer/reader. Topics include presupposition, point of view, discourse and sentence themes, discourse deletion, and reference and honorification. Data from English and Japanese.

Note: No previous knowledge of Japanese required.

[Linguistics 120. Introduction to Historical Linguistics]

Catalog Number: 8486

Jay H. Jasanoff

Half course (spring 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 theoretical hypotheses.

Note: Expected to be given in 2001–02.

Linguistics 122. Introduction to Indo-European

Catalog Number: 1336

Jay H. 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 H. Jasanoff

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Designed as a sequel to Linguistics 122. A detailed overview of Indo-European comparative grammar, with emphasis on recent developments and discoveries.

Linguistics 150. Introduction to Aphasia

Catalog Number: 5681

Susanne Gahl

Half course (fall term). W., F., at 10. EXAM GROUP: 3

An introduction to the study of aphasia and related language disorders. Topics include the effects of brain injuries and dementing illnesses on language abilities; organization of language functions in the brain; how these issues are investigated in both normal and clinical populations; and how research in linguistics can contribute to theories of brain function.

Prerequisite: Linguistics 110 or consent of instructor.

[Linguistics 152. Introduction to Syntactic Parsing]

Catalog Number: 3166

Half course (spring term). Hours to be arranged.

An introduction to recent investigations of sentence processing. Topics to be considered include the influence of lexical, syntactic, and discourse factors on sentence comprehension and production, the role of working memory in processing, the nature of syntactic deficits in patients with language disorders, and cross-linguistic differences in sentence processing.

Note: Expected to be given in 2001–02.

Prerequisite: Linguistics 112a.

[Linguistics 158r. From Indo-European to Old Irish]

Catalog Number: 3801

Calvert Watkins

Half course (spring term). Hours to be arranged.

Essentials of Celtic historical and comparative grammar.

Note: Expected to be given in 2001–02.

Prerequisite: Some acquaintance with either Indo-European or Old Irish.

Linguistics 168. Introduction to Germanic Linguistics

Catalog Number: 7925

Jay H. Jasanoff

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

A combined introduction to Gothic and the comparative grammar of the older Germanic languages.

[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 2001–02.

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). Th., 3–5. EXAM GROUP: 17, 18

Examination of phenomena of tense and aspect in Japanese, with special attention to verbal semantics and the interaction of temporal categories with modality and transitivity.

Prerequisite: Knowledge of Japanese equivalent to Japanese 101b, or familiarity with the linguistic structure of a non-Indo-European language, or permission of instructor.

Linguistics 175. Structure of Japanese

Catalog Number: 6658

Susumu Kuno

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examination of syntactic and semantic features of Japanese from the point of view of language typology and language universals.

Note: No previous knowledge of Japanese required.

Prerequisite: Linguistics 112a or equivalent.

[Linguistics 176. History of the Japanese Language]

Catalog Number: 4861

Wesley M. Jacobsen

Half course (spring term). Hours to be arranged.

An examination of evidence from the comparative method, internal reconstruction, and written documents for reconstructing prehistoric stages of the Japanese language and an overview of major developments in Japanese phonology and grammar from the Nara period through the present day.

Note: Expected to be given in 2002–03.

[Linguistics 177b. Child Language and Linguistic Theory]

Catalog Number: 8970

Half course (spring term). Hours to be arranged.

Competing hypotheses in theoretical linguistics generally describe adult linguistic performance with roughly equivalent empirical adequacy. In this circumstance, it can be useful for evaluating the relative explanatory adequacy of such hypotheses to examine the different predictions they make about the linguistic performance of children. This course will focus on the use of experimental research on child language for this purpose. After a careful examination of issues concerning experimental methodology, a variety of specific case studies will be presented in which child linguistic performance can be seen to shed light on competence theory. A central requirement of this course will be the design and completion of a psycholinguistic experiment of



the sort discussed in the course.

Note: Expected to be given in 2001–02.

Prerequisite: Linguistics 177a or permission of the instructor.

Linguistics 178. Topics and Methods in Psycholinguistics

Catalog Number: 1347

Susanne Gahl

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course will discuss selected experimental research on questions of importance to theoretical linguistics, such as: How many “senses” do polysemous words have? How are these “senses” stored in the brain? Is the distinction between derivation and inflection psychologically real? How does language change come about? How do we understand language as rapidly as we do? The goal of the class is to develop a familiarity with commonly-used methods in psycholinguistics and to understand the applicability of these methods to linguistic research.

Prerequisite: Linguistics 110 or consent of instructor.

Cross-listed Courses

Classics 190. Approaches to Classical and Indo-European Poetics

English 101. The History and Structure of the English Language

[Greek 134. The Language of Homer]

Latin 134. Archaic Latin

Psychology 1302 (formerly Psychology 1500). Psychology of Language

***Psychology 1357. Evolution of Language**

[Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages]

Slavic 125. Modern Russian in Historical Perspective

Slavic 126a. Structure of Modern Russian: Phonology and Morphology

[Slavic 126b. Structure of Modern Russian: Morphosyntax]

Yiddish 105. Yiddish Language and Linguistic Theory

Primarily for Graduates

[Linguistics 202. Advanced Syntax]

Catalog Number: 8175

Half course (fall term). Hours to be arranged.

The third course in the syntax sequence, focusing on major issues in current syntactic theory with particular emphasis on the Minimalist framework. Phenomena to be examined include head movement, case and agreement, constraints on movement and derivations, and anaphora.

Note: Expected to be given in 2001–02.

Prerequisite: Linguistics 112b or permission of instructor.

Linguistics 204r. Topics in Syntax

Catalog Number: 6446

Lynn Nichols

Half course (spring term). M., 4–6. EXAM GROUP: 9



Focuses on a particular topic in current syntactic and morphosyntactic theory; emphasis on a crosslinguistic perspective. This year's topic: *the syntax of tense and events*. The course will examine a wide range of phenomena in which tense and its syntactic properties are implicated, including recent work on syntactic properties of the event argument and its interaction with tense, the relationship between tense and complementizers, long distance phenomena, sequence-of-tense, switch reference, subjunctives & irrealis, the syntax of infinitives.

Linguistics 205. The Syntax-Semantics Interface

Catalog Number: 0776

Jon Nissenbaum

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 211. Topics in Historical and Theoretical Phonology]

Catalog Number: 1518

Half course (fall term). Hours to be arranged.

An investigation of the linguistic development of phonological systems from a theoretical point of view. Topics considered include feature geometry, syllabification, and vowel harmony.

Note: Expected to be given in 2001–02.

Linguistics 215. Phonological Theory

Catalog Number: 5612

Lisa Lavoie

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Covers the views of phonological structures, both their representation and manipulation, that have evolved over the last four decades of generative phonology. The course proceeds from representations of segments as unordered bundles of features to feature-geometric representations whose organization makes theoretical claims about feature interaction. Likewise for phonological manipulation, the course proceeds from rules of derivational phonology to the constraints of non-derivational, Optimality-Theoretic phonology. The role of phonetics in each of these models will be considered.

Linguistics 219r. Advanced Phonology

Catalog Number: 2154

Bert Vaux

Half course (spring term). M., 4–6. EXAM GROUP: 9

In-depth analysis of current issues in theoretical phonology, including Optimality Theory.

Emphasis will be placed on the typology of assimilation phenomena.

Linguistics 220ar. Advanced Indo-European

Catalog Number: 3428

Jay H. Jasanoff



Half course (spring term). Th., 2–4.

Close study of selected problems in Indo-European comparative grammar.

Linguistics 221r. Workshop in Indo-European

Catalog Number: 1008

Calvert Watkins

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Conducted as a seminar. The topic for this year is Comparative Indo-Iranian and Vedic historical grammar.

Linguistics 223. Comparative Anatolian

Catalog Number: 2620

Jay H. Jasanoff and Calvert Watkins

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Comparative survey of the synchronic and diachronic grammar of the ancient Indo-European languages of Anatolia, with special attention to nominal and verbal morphology.

[Linguistics 224. Historical and Comparative Linguistics]

Catalog Number: 2967

Jay H. Jasanoff

Half course (fall term). Hours to be arranged.

An introduction to diachronic linguistics at the graduate level. Theory of language change: sound change and analogy, syntactic and semantic change, change in progress. The comparative method: proving genetic relationship, reconstruction, subgrouping.

Note: Expected to be given in 2001–02.

[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 2001–02. No previous knowledge of cuneiform presumed.

Linguistics 226r. Advanced Hittite

Catalog Number: 0858

Calvert Watkins

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Texts of various genres.

Note: Provisions will be made for any student who wishes to begin Hittite this semester.

Linguistics 241r. Practicum in Syntax and Phonology

Catalog Number: 4260

Bert Vaux and members of the Department

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Presentation of reports on current research or assigned topics.



Note: Required of both second- and third-year graduate students concentrating in syntax or phonology.

Linguistics 242r. Practicum in Historical Linguistics

Catalog Number: 5569

Jay H. Jasanoff and Calvert Watkins

Half course (spring term). 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 historical linguistics.

[Linguistics 247. Topics in Germanic Linguistics]

Catalog Number: 3693

Jay H. Jasanoff

Half course (spring term). Hours to be arranged.

Investigation of selected topics in Germanic historical linguistics.

Note: Expected to be given in 2001–02.

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 2001–02.

Prerequisite: Linguistics 250.

[Linguistics 275r. Japanese Syntax: Seminar]

Catalog Number: 8921

Susumu Kuno

Half course (spring term). Hours to be arranged.

Selected topics in sentence structure and meaning in Japanese.

Note: Expected to be given in 2001–02.

Prerequisite: Linguistics 174, 175 or equivalent.

Linguistics 277. Topics in Japanese and Korean Syntax

Catalog Number: 2661

Susumu Kuno

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8



Contrastive analysis of major syntactic constructions of Japanese and Korean.

Prerequisite: Linguistics 175 or equivalent.

Linguistics 291. Functional Approach to Syntax

Catalog Number: 5046

Susumu Kuno

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Discourse-oriented analysis of syntax based on the functional sentence perspective (theme and rheme) and on the “point of view” perspective (the speaker’s attitude toward participants in an event). Examines pronominalization, reflexivization, and various deletion and movement processes.

[Linguistics 292r. Functional Syntax and Theories of Grammar]

Catalog Number: 2994

Susumu Kuno

Half course (spring term). Hours to be arranged.

A critical review of past research results in the framework of GB Theory, Checking Theory and the Minimalist Program, and presentation of alternative solutions in the framework of Functional Syntax.

Note: Expected to be given in 2001–02.

Cross-listed Courses

Celtic 203r. Middle Irish

Celtic 225a. Introduction to Middle Welsh

Celtic 225b. Continuing Middle Welsh

[Classics 240. Topics in Greek Linguistics and Poetics]

***Computer Science 287r. Natural Language Processing**

[Computer Science 288. Computational Models of Discourse]

[*Scandinavian 200a. Introduction to Old Norse]

Semitic Philology 200r. Comparative Semitic Grammar: Seminar

Semitic Philology 230. The Early History of Northwest Semitic

[Slavic 201. Introduction to East Slavic Languages]

[Slavic 202. Introduction to West Slavic Languages]

[Slavic 203. Introduction to South Slavic Languages]

[Slavic 250. Structure of Ukrainian]

[Slavic 296r. Slavic Linguistics: Seminar]

Graduate Courses of Reading and Research

***Linguistics 300. Direction of Doctoral Dissertations**

Catalog Number: 6729

Alfonso Caramazza 1871, Michael S. Flier 2878, Susanne Gahl 2856, Wesley M. Jacobsen 3443, Jay H. Jasanoff 1661, Susumu Kuno 1083, Lisa Lavoie 2829, Lynn Nichols 3613 (on leave fall term), P. Oktor Skjaervo 2869 (on leave spring term), Bert Vaux 1452, and Calvert Watkins 2553



***Linguistics 301. Reading or Special Topics Course**

Catalog Number: 0861

Alfonso Caramazza 1871, Michael S. Flier 2878, Susanne Gahl 2856, Wesley M. Jacobsen 3443, Jay H. Jasanoff 1661 (on leave spring term), Susumu Kuno 1083, Lisa Lavoie 2829, Lynn Nichols 3613 (on leave fall term), P. Oktor Skjaervo 2869 (on leave spring term), Bert Vaux 1452 (on leave spring term), and Calvert Watkins 2553

Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Literature

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*Chair*) (*on leave fall term*)

K. Anthony Appiah, Charles H. Carswell Professor of Afro-American Studies and of Philosophy

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*on leave spring term*)

Tom Conley, Professor of Romance Languages and Literatures

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Bradley S. Epps, Professor of Romance Languages and Literatures (*on leave fall term*)

Marjorie Garber, William R. Kenan, Jr. Professor of English

Beatrice Hanssen, Associate Professor of German

James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of Comparative Literature (*on leave spring term*)

Sandra Naddaff, Senior Lecturer on Literature (*Director of Studies*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature (*on leave spring term*)

Stephen Owen, James Bryant Conant University Professor

Eric Rentschler, Professor of German

Judith Ryan, Harvard College Professor and the Robert K. and Dale J. Weary Professor of German and Comparative Literature

Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave spring term*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave fall term*)

Doris Sommer, Professor of Romance Languages and Literatures

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of



Comparative Literature (*on leave 2000-01*)

William Mills Todd III, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave spring term*)

Other Faculty Offering Instruction in the Literature Concentration

Verena A. Conley, Visiting Professor of Literature

Rita B. Goldberg, Lecturer on Literature

Melinda G. Gray, Lecturer on History and Literature

Camille Lizarribar, Lecturer on History and Literature

Lillian Paula Porten, Lecturer on Literature

Christina Pugh, 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). Tu., 1–3. EXAM GROUP: 15, 16

An examination and analysis of narrative techniques and strategies in a variety of texts ranging from simple to complex narrative forms. Texts from different narrative contexts and cultures will be considered and will include the *1001 Nights*, *The Odyssey*, *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 omitted in 2001–02.

[Literature 109. On Translation]

Catalog Number: 0594

Sandra Naddaff

Half course (fall term). Hours to be arranged.

Examination of theories of translation from various periods (Dryden, Schopenhauer, Benjamin, Borges, Asad, among others). Also looks closely at specific translated texts (e.g., various translations of Homer's *Odyssey*, Burton's *Thousand Nights and a Night*), and considers such topics as the notion of "unequal languages," the problem of cultural translation, untranslatability, and translation as imitation and re-creation.

Note: Expected to be given in 2001–02.

Prerequisite: Reading knowledge of one foreign language.

[Literature 119. The Holocaust and Problems of Representation]

Catalog Number: 1732 Enrollment: Limited to 20. 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? In what circumstances? To whom? This course will grapple with these and other questions raised by a wide range of works (oral and written testimonies, novels, essays, comic strips, films, poetry, monuments) produced from 1945 to the present in Europe and the United States, and Israel.

Note: Expected to be given in 2001–02.

***Literature 122. Literature and Music**

Catalog Number: 2360 Enrollment: Limited to 20. Limited to 20; preference given to Literature Concentrators.

Sandra Naddaff

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the intersection of literary texts and genres with musical forms and themes in a number of different contexts. Topics include such issues as the adaptation of text into music; the thematization of music in narrative; the Broadway musical; and the musicality of poetry. Works include *Romeo and Juliet*, *West Side Story*, *The Kreuzer Sonata*, *Ulysses*, *Jazz*, and others.

Note: Given in alternate years.

***Literature 124. Transformations of Space in Contemporary Culture**

Catalog Number: 8228 Enrollment: Limited to 20. Limited to 20; preference given to Literature Concentrators.

Verena A. Conley

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Focuses on renewed awareness of space and environment in contemporary culture, theory, and film. Examines shifts in the thinking of space in an era of teletechnologies and globalism by means of such notions as anthropological space and non-places, material and immaterial spaces, local and global, invention of space and spatial practices, the global city, and others. Includes texts and films by Chantal Akerman, Marc Augé, Etienne Balibar, Jean Baudrillard, Michel de Certeau, Assia Djébar, Jean-Luc Godard, David Harvey, Gilles Deleuze and Félix Guattari, Alain Liepitz, Saskia Sassen, Paul Virilio, Wim Wenders, and others.

[*Literature 125. Bodies and Technologies]

Catalog Number: 5958 Enrollment: Limited to 20. Limited to 20; preference given to Literature Concentrators.

Verena A. Conley

Half course (fall term). Hours to be arranged.

Focuses on the relation between bodies and technologies that includes information networks, teletechnologies and interactive media. How does the evolution of technologies alter representations of the body? How does it rewrite the limit between humans and machines? Questions will be addressed by means of fiction, film and theoretical fictions. Readings include Cixous, Deleuze and Guattari, Grosz, Hayles, James, Joyce, Kleist, Lispector, Powers, Spinoza, Woolf, and others.

Note: Expected to be given in 2001–02.



[*Literature 128. Performing Texts]

Catalog Number: 3404 Enrollment: Limited to 20.

Julie A. Buckler

Half course (spring term). Hours to be arranged.

What is the relationship between dramatic text and work? How do plays create audiences? What does the ubiquitous dramatic site of “home” (domestic interiors, family estates) contribute to the performance of “authentic” identities? This course enlists performance theory in the illumination of the dramatic texts and theatrical contexts of Pushkin, Gogol, Ostrovsky, Chekhov, Ibsen, Wilde, Bulgakov, Shaw, Kharmis, Beckett, Sartre, O’Neill, Williams, Miller, and Petrushevskaya. Particular attention to restagings (19th-century dramas revisioned by Meyerhold and Stanislavsky), cross-cultural appropriations (Western stagings of Chekhov), theories of drama and culture (Nietzsche, Wagner, Shaw, Brecht, Ivanov, Evreinov).

Note: Expected to be given in 2001–02.

[*Literature 129. Reading the 18th Century Through 20th-Century Eyes]

Catalog Number: 5600 Enrollment: Limited to 15. Limited to 15.

Christie McDonald

Half course (spring term). Hours to be arranged.

Why do we read texts from the French Enlightenment today and how? Analysis of works from the 18th century as well as novels, plays, media events, and films of the 20th century that revisit key questions: what is the present in its relationship to the past? what constitutes change? what is the relationship of the individual to the family, the state, and society? Topics of discussion will include textual rewritings of novels and confessions; re-publication of works by women and the question of the canon; the controversy around pornography and reproduction; imagining what might have been in rewriting history through literature, the media and opera. Readings include works by 1) Beaumarchais, Charrière, Graffigny, Diderot, Franklin, Kant, Rousseau, Sade; 2) Beauvoir, Blanchot, Boyd, Foucault, Klossowski, Kundera, Shine, Hoffman, Corigliano, Weiss.

Note: Expected to be given in 2001–02.

[*Literature 130. Reconfiguring the City]

Catalog Number: 1034 Enrollment: Limited to 20. Limited to 20; preference given to Literature concentrators

Verena A. Conley

Half course (spring term). Hours to be arranged.

Examines the city as concept, representation and simulation in contemporary culture through literature, film and art. Focuses on regimes of the city and urban effects rather than a particular city. How does the “city” become a manifestation of a general urban condition? How is it reconfigured through digital networks? How do notions of “third culture” question limits between cultural fields, undo traditional notions of inside/outside and reconfigure the city as an everchanging artefact? Readings include Baudelaire, Benjamin, Calvino, Derrida, Eisenman, Foucault, Jameson, Latour, Soja and others.

Note: Expected to be given in 2001–02.

[Literature 132. Introduction to Literary Theory]

Catalog Number: 3527

Barbara E. Johnson



Half course (fall term). Hours to be arranged.

Readings in some of the texts that have transformed literary studies over the past twenty years. Will pair theorists with the texts they are reading (Derrida and Plato, Kant, Rousseau, Marx; Marx and Derrida on Hegel; Lacan and Morrison on Poe; Barthes and Balzac; Bhabha and Fanon; Miller and Barthes; Althusser with Marx and Lacan; Butler with Larsen, Cather, Austin, Althusser, etc.).

Note: Expected to be given in 2001–02.

Literature 140. Colonial and Post-Colonial Spaces: France and North Africa

Catalog Number: 9366

Verena A. Conley

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course will focus on the transformation of colonial to postcolonial spaces in “French” North Africa, that includes Morocco, Tunisia, and Algeria. Special attention will be given to shifting notions of culture, problems of language, tradition, violence, and revolution. Includes texts and films by Frantz Fanon, Assia Djébar, Kateb Yacine, Rachid Boudjedra, Albert Camus, Jean-Paul Sartre, Jean-François Lyotard and others. By means of fiction, film, journalistic essays and street culture (Azouz Begag, Mehdi Charef, Malik Chibane, Mathieu Kassovitz, Alliance Ethnik, MC Solaar etc.), we will also examine the emergence of new cultural spaces in connection with urban immigration.

Cross-listed Courses

[Chinese Literature 150. Diaspora and Transnationalism]

Chinese Literature 228. Asian Modernities: An Introduction to Critical Theory

Comparative Literature 100c. The Literary World 1000-1500

[Comparative Literature 102x. How to Think Money]

Comparative Literature 167. Contemporary Fiction: The Novel After Theory

Comparative Literature 168. Literature and Film

Comparative Literature 182. Comparative Cultures of Money

***Comparative Literature 202. Melancholy: The Anatomy of an Affect in Literature, Philosophy, and the Arts: Seminar**

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**

[*Comparative Literature 260. Literature and Exile: Seminar]

***Comparative Literature 261. Memory and Modernity: Seminar**

***Comparative Literature 264. Baudelaire and Benjamin: Seminar**

[*Comparative Literature 283. Language Wars and Polyglot Literature: Seminar]

[*Comparative Literature 285. Comparative Romantic Theory: Seminar]

[*Comparative Literature 287r. Selected Topics in Poetics and Rhetoric: Seminar]

English 187d. American Literatures in Languages Other than English

English 190. Major Critical Approaches

English 199. Persons and Things

[French 121. The Text of the Renaissance]

[French 130. Literature and Cartography: History and Theory]

[French 132b. 20th-Century French Fiction II: The Experimental Mode]



German 172 (formerly German 230). Political Romanticism
German 270. Aesthetic Theory (Kant to Adorno)
[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]
Slavic 156. Vladimir Nabokov: A Cross-Cultural Perspective
[Slavic 175. Theory of Narrative: Conference Course]
[Slavic 179. Literature as Institutions: Conference Course]
Spanish 165. Bilingual Arts
Spanish 186. Tobacco and Sugar
[Spanish 189. Colonial, Postcolonial]
Spanish 268. Telling Limits in American Ethnic Literatures
Women's Studies 103. Introduction to Gay and Lesbian Studies
[Women's Studies 134. Women's Writing and Film in Latin America and the Caribbean]

Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Mathematics

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics (*Chair*)
Daniel Allcock, Benjamin Peirce Assistant Professor of Mathematics
Matthew Baker, Assistant Professor of Mathematics
Ilia A. Binder, Benjamin Peirce Assistant Professor of Mathematics
John Boller, Preceptor in Mathematics
Tom C. Braden, Benjamin Peirce Assistant Professor of Mathematics
Alexander Braverman, Benjamin Peirce Assistant Professor of Mathematics
Danny Calegari, Benjamin Peirce Assistant Professor of Mathematics
Lisa J. Carbone, Benjamin Peirce Assistant Professor of Mathematics
Nathan Dunfield, Benjamin Peirce Assistant Professor of Mathematics, Associate of Adams House
Noam D. Elkies, Professor of Mathematics (*on leave 2000-01*)
Andrew Engelward, Preceptor in Mathematics
Kim Anders Froyshov, Benjamin Peirce Assistant Professor of Mathematics
Daniel L. Goroff, Tutor in Leverett House, Professor of the Practice of Mathematics, Associate Director of the Derek Bok Center for Teaching and Learning
Robin Gottlieb, Senior Preceptor in Mathematics (*on leave fall term*)
Tom Graber, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2001-02*)
Joseph D. Harris, Higgins Professor of Mathematics, Higgins Professor of Mathematics (*Director of Graduate Studies*)



Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science
 Kalle Karu, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2000-01*)
 David Kazhdan, Perkins Professor of Mathematics
 Sean M. Keel, Visiting Associate Professor of Mathematics, Visiting Scholar in Mathematics
 (*University of Texas, Austin*) (*fall term only*)
 Oliver Knill, Preceptor in Mathematics
 Toshiyuki Kobayashi, Visiting Associate Professor of Mathematics (*University of Tokyo*) (*spring term only*)
 Peter B. Kronheimer, Professor of Mathematics
 Yang Liu, Benjamin Peirce Assistant Professor of Mathematics
 John F. Mackey, Preceptor in Mathematics
 Barry C. Mazur, Gerhard Gade University Professor
 Dusa Margaret McDuff, Visiting Professor of Mathematics ((*SUNY*))
 Curtis T. McMullen, Professor of Mathematics
 Gerald E. Sacks, Professor of Mathematical Logic
 Wilfried Schmid, Dwight Parker Robinson Professor of Mathematics
 Yum Tong Siu, William Elwood Byerly Professor of Mathematics
 Eric Sommers, Benjamin Peirce Assistant Professor of Mathematics
 Richard P. Stanley, Visiting Professor of Mathematics, Visiting Scholar in Mathematics
 (*Massachusetts Institute of Technology*) (*fall term only*)
 Shlomo Z. Sternberg, George Putnam Professor of Pure and Applied Mathematics
 Dmitry Tamarkin, Benjamin Peirce Assistant Professor of Mathematics
 Clifford Taubes, William Petschek Professor of Mathematics (*Director of Undergraduate Studies*) (*on leave spring term*)
 Richard L. Taylor, Professor of Mathematics
 Dale Winter, Preceptor in Mathematics
 Robert Winters, Preceptor in Mathematics
 Shing-Tung Yau, William Casper Graustein Professor of Mathematics
 Yuhan Zha, Benjamin Peirce Assistant Professor of Mathematics

Other Faculty Offering Instruction in the Department of Mathematics

Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic

The Mathematics Department would like to place students in 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. In addition, some 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 in their mathematics education here with a deeper study of calculus and related topics.

One calculus sequence is Mathematics 1a, 1b, 21a, 21b. Mathematics 1a introduces the basic ideas and techniques of calculus while Mathematics 1b covers integration techniques, differential equations, sequences and series. Mathematics 21a covers multi-variable calculus while Mathematics 21b covers basic linear algebra with applications to differential equations. Students



who do not place into (or beyond) Mathematics 1a can take Mathematics Xa, Xb, a two-semester sequence which integrates calculus and precalculus material and prepares students to enter Mathematics 1b. There are a number of options available for students whose placement is to Mathematics 21a. For example, Mathematics 19 can be taken either before or after Mathematics 21a,b (or Mathematics 20). Mathematics 19 covers modeling and differential equation topics for students interested in biological and other natural science applications. Mathematics 20 covers selected topics from Mathematics 21a and 21b for students particularly interested in economic 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 Xa, 1a, 1b, 20, and 21a is based on the results of the Harvard Mathematics Placement Test, and/or the Advanced Placement Examinations.

Placement in Mathematics 21b, 23a, 25a, and more advanced courses is based on material not covered in these 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 a lot of advice. The Department has also prepared a pamphlet with a detailed description of all its 100-level courses and their relationship to each other. This pamphlet gives sample lists of courses suitable for students with various interests. It is available at the Department Office. Many 100-level courses assume some familiarity with proofs. Courses that fulfill this prerequisite include Mathematics 23, 25, 55, 101, 112, 121, 141.

The Department does not grant formal degree credit for courses in calculus taken in reverse order without *prior* approval. 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 exception 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.

Andrew Engelward, 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; and a twice weekly lab session to be arranged. EXAM GROUP: 1

The study of functions and their rates of change. Fundamental ideas of calculus are introduced early and used to provide a framework for the study of mathematical modeling involving algebraic, exponential, and logarithmic functions. Thorough understanding of differential calculus promoted by yearlong reinforcement. Applications to biology and economics emphasized according to the interests of our students.

Note: Required first meeting: Monday, September 18, 8:00 am, Science Center E. The sequence Xa, Xb gives solid preparation for Mathematics 1b.

Mathematics Xb. Introduction to Functions and Calculus II

Catalog Number: 3857 Enrollment: Normally limited to 15 students per section.

Robin Gottlieb, 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: T., Th., 10-11:30; Section IV: T., Th., 11:30-1:00; Section V: T., Th., 1-2:30 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.

Prerequisite: Mathematics Xa.

Mathematics 1a. Introduction to Calculus

Catalog Number: 8434 Enrollment: Normally limited to 30 students per section.

Yum Tong Siu, Kim Froyshov, Yang Liu, Yuhan Zha (fall term); Tom Graber (spring term) and members of the Department

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 10; Section II, M., W., F., at 11; Section III, M., W., F., at 12; Section IV, Tu., Th., 10-11:30; Section V, Tu., Th., 11:30-1. Spring: Section I, T., Th., 10-11:30, and a weekly problem session to be arranged. EXAM GROUP: Fall: 3, 4; Spring: 12, 13

The development of calculus by Newton and Leibniz ranks among the greatest achievements of the 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 19, 8:00 am, Science Center C.

Prerequisite: A solid background in precalculus.

Mathematics 1b. Calculus, Series and Differential Equations

Catalog Number: 1804 Enrollment: Normally limited to 30 students per section.

John Boller (fall term), John F. Mackey (spring term), Matthew Baker (spring term), Alexander Braverman (spring term), Peter B. Kronheimer (spring term), John W. Mackey (fall term), and Dmitry Tamarkin (fall term)

Half course (fall term; repeated spring term). Section I, M., W., F., at 10; Section II, M., W., F.,



at 11; Section III, M., W., F., at 12; Section IV, Tu., Th., 10–11:30; Section V, Tu., Th., 11:30–1, and a weekly problem session to be arranged. Required exams: Hours to be arranged. EXAM GROUP: 1

Galileo said that, "The book of the universe is written in the language of mathematics." Great problems in the physical, biological, and social sciences all find their expression as differential equations. This course builds on basic calculus to study differential equations of the first and second order. We develop both qualitative methods for visualizing solutions as well as analytical methods for writing out solutions, including techniques that evolve from our study of interpretation, infinite series, power series, and Taylor series.

Note: Required first meeting for fall: Monday, September 18, 8:00 am, Science Center B.

Required first meeting in spring: Wednesday, January 31, 8:00 am, Science Center C.

Prerequisite: Mathematics 1a, or Xa and Xb, or equivalent.

Mathematics 19. Mathematical Modeling

Catalog Number: 1256

John F. Mackey

Half course (fall term). M., W., F., at 1, and a weekly problem session to be arranged. EXAM GROUP: 6

Considers the construction and analysis of mathematical models that arise in the environmental sciences, biology, the ecological sciences, and in earth and atmospheric sciences. Introduces mathematics that includes multivariable calculus, differential equations in one or more variables, vectors, matrices, and linear and non-linear dynamical systems. Taught via examples from current literature (both good and bad).

Note: Can be taken with or without Mathematics 21a,b. Students with interests in the social sciences and economics might consider Mathematics 20. This course can be taken before or after Mathematics 20.

Mathematics 20. Introduction to Linear Algebra and Multivariable Calculus

Catalog Number: 0906

Eric Sommers

Half course (fall term; repeated spring term). Fall: M., W., F., at 9, Spring: M., W., F., at 9, and a weekly problem session to be arranged. EXAM GROUP: 2

Introduction to linear algebra, including vectors, matrices, and applications. Calculus of functions of several variables, including partial derivatives, constrained and unconstrained optimization, and applications.

Note: Covers the topics from Mathematics 21a,b which are most important in applications to economics, the social sciences, and some other fields. Should not ordinarily be taken in addition to Mathematics 21a,b. Examples drawn primarily from economics and the social sciences though Mathematics 20 may be useful to students in certain natural sciences.

Prerequisite: Mathematics 1b or equivalent, or an A or A- in Mathematics 1a, or a 5 on the AB or a 3 or higher on the BC Advanced Placement Examinations in Mathematics.

Mathematics 21a. Multivariable Calculus

Catalog Number: 6760 Enrollment: Normally limited to 30 students per section.

Clifford Taubes, Daniel Allcock, Oliver Knill, Dale Winter, Robert Winters, Danny Calegari (fall term); Robert Winters, Dale Winter, Yang Liu and Oliver Knill (spring term) and members of the



Department.

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 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, M., W., F., at 11; Section III, M., W., F., at 12; Section IV, Tu., Th., 10–11:30; Section V, Tu., Th., 11:30–1; and a weekly problem session to be arranged. Required exams: Hours to be arranged. EXAM GROUP: 1

To see how calculus applies in situations described by more than one variable, we study: Vectors, lines, planes, parametrization of curves and surfaces; partial derivatives, directional derivatives, and the gradient; Optimization and critical point analysis, including constrained optimization and the Method of Lagrange Multipliers; Integration over curves, surfaces, and solid regions using cartesian, polar, cylindrical, and spherical coordinates; Vector fields, line and surface integrals for work and flux; Divergence and curl of vector fields; the Green's, Stokes', and Divergence Theorems. Finally, there is an introduction to partial differential equations.

Note: Required first meeting in fall: Tuesday, September 19, 8:00 am, Science Center B.

Required first meeting in spring: Wednesday, January 31, 8:00 am, Science Center B. May not be taken for credit by students who have passed Applied Mathematics 21a. Activities using computers to calculate and visualize applications of these ideas will not require previous programming experience. Special sections for students interested in physics or biochemistry and social sciences are offered each semester. The biochemistry/social sciences sections treat topics in probability and statistics in lieu of Green's, Stokes' and 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.

Robert Winters and Dmitry Tamarkin (fall term); Richard Taylor, Daniel Allcock (spring term), and members of the department.

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 10; Section II, M., W., F., at 11. Spring: Section I, M., W., F., at 10; Section II, M., W., F., at 11; Section III, M., W., F., at 12 (with sufficient enrollment); Section IV, Tu., Th., 10–11:30; Section V, Tu., Th., 11:30–1; and a weekly problem session to be arranged. EXAM GROUP: 1

By adding and multiplying arrays of numbers called vectors and matrices, linear algebra provides the structure for solving problems that arise in practical applications ranging from Markov processes to optimization and from Fourier series to statistics. To understand how, we develop thorough treatments of: euclidean spaces, including their bases, dimensions and geometry; and linear transformation of such spaces, including their determinants, eigenvalues, and eigenvectors. These concepts will be applied to solve dynamical systems, including both ordinary and partial differential equations.

Note: Required first meeting in fall: Monday, September 18, 8:00 am, Science Center A.

Required first meeting in spring: Thursday, February 1, 8:00 am, Science Center C. May not be taken for credit by students who have passed Applied Mathematics 21b.

Mathematics 23a. Theoretical Linear Algebra and Multivariable Calculus I

Catalog Number: 2486

David Kazhdan

Half course (fall term). M., W., F., at 11, and a one-hour conference section to be arranged.



EXAM GROUP: 4

Vectors and matrices; eigenvalues and eigenvectors; systems of linear differential equations; differentiation and integration of functions of several variables; line integrals.

Note: Mathematics 23a,b are honors courses, specifically designed for students with strong mathematics backgrounds who are seriously interested in continuing in the theoretical sciences.

Prerequisite: Mathematics 1b or a grade of 4 or 5 on the Calculus BC Advanced Placement Examination. This course does not correlate with the Physics 15 sequence. Mathematics 23 goes well beyond the concepts strictly necessary for Physics 15, which are more closely followed in Mathematics 21.

Mathematics 23b. Theoretical Linear Algebra and Multivariable Calculus II

Catalog Number: 8571

David Kazhdan

Half course (spring term). M., W., F., at 11, and a one-hour conference section to be arranged.

EXAM GROUP: 4

Continuation of the subject matter of Mathematics 23a. A rigorous treatment of linear algebra and the calculus of functions in n-dimensional space.

Prerequisite: Mathematics 23a.

Mathematics 25a. Honors Multivariable Calculus and Linear Algebra

Catalog Number: 1525

Matthew Baker

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A rigorous treatment of linear algebra, point-set and metric topology, and the calculus of functions in n variables. Emphasis placed on careful reasoning, and on learning to understand and construct proofs.

Note: This course should only be elected by students with a strong interest and background in mathematics.

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

Matthew Baker

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A continuation of Mathematics 25a. More advanced topics, such as Fourier analysis, differential forms, and differential geometry, will be introduced as time permits.

Prerequisite: Mathematics 25a or permission of instructor.

***Mathematics 55a. Honors Advanced Calculus and Linear Algebra**

Catalog Number: 4068

Wilfried Schmid

Half course (fall term). 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

Wilfried Schmid

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Continuation of Mathematics 55a. Calculus on manifolds, de Rham cohomology. Additional topics may include differential equations.

Prerequisite: Mathematics 55a or permission of instructor.

***Mathematics 60r. Reading Course for Senior Honors Candidates**

Catalog Number: 8500

Clifford Taubes

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in courses.

Note: Open only to candidates for honors in Mathematics who obtain the permission of both the faculty member under whom they want to work and the Director of Undergraduate Studies. May not count for concentration in Mathematics without special permission from the Director of Undergraduate Studies. Graded SAT/UNS only.

***Mathematics 91r. Supervised Reading and Research**

Catalog Number: 2165

Clifford Taubes

Half course (fall term; repeated spring term). Hours to be arranged.

Programs of directed study supervised by a person approved by the Department.

Note: May not ordinarily count for concentration in Mathematics.

***Mathematics 99r. Tutorial**

Catalog Number: 6024

Clifford Taubes and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Small group tutorials, ordinarily limited to Mathematics concentrators. Supervised individual projects and class presentations required. Topics for 2000-01: (1) Fourier Series and Applications (fall) Prerequisites: Math 25, 55, or 101, Math 115 would be helpful, but not necessary. (2) Computational Algebraic Geometry (fall) Prerequisites: Math 25, 55, or 101 and an interest in computational mathematics. (3) The Symmetric Group and its Representations (spring) Prerequisites: basics group theory as in Math 122, and linear algebra as in Math 121, previous exposure to representation theory would be helpful, but not necessary. A second tutorial topic will be announced later for the spring semester.

Note: May be repeated for course credit with permission from the Director of Undergraduate Studies. Only one tutorial may count for concentration credit. Students must register their interest in taking a tutorial with the Assistant Director of Undergraduate Studies by the second day of the semester in which the tutorial is offered.



Cross-listed Courses

For Undergraduates and Graduates

See also Applied Mathematics and Statistics.

Mathematics 101. Sets, Groups and Topology

Catalog Number: 8066

Ilia A. Binder (fall term) and Lisa J. Carbone (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 10–11:30; Spring: Tu., Th., 11:30–1. EXAM GROUP: Fall: 12, 13; Spring: 13, 14

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 112. Real Analysis

Catalog Number: 1123

Yang Liu

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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

Yum Tong Siu

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Analytic functions of one complex variable: power series expansions, contour integrals, Cauchy's theorem, Laurent series and the residue theorem. Some applications to real analysis, including the evaluation of indefinite integrals and the study of harmonic functions. An introduction to conformal geometry and conformal mappings.

Prerequisite: Mathematics 23a,b, 25a,b, or 101. Students with an A grade in Mathematics 21a,b may also consider taking this course, but must understand proofs.

Mathematics 115. Methods of Analysis and Applications

Catalog Number: 1871

Ilia A. Binder

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Some complex function theory; Fourier analysis; Hilbert spaces and operators; Laplace's equations; Bessel and Legendre functions; symmetries; and Sturm-Liouville theory.



Note: Mathematics 115 is especially for students interested in physics.

Prerequisite: Mathematics 21a,b, 23a,b, or 25a,b, and permission of instructor.

Mathematics 118r. Dynamical Systems

Catalog Number: 6402

Shlomo Z. Sternberg

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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

Peter B. Kronheimer

Half course (fall term). Hours to be arranged. EXAM GROUP: 4

Partial differential equations with constant coefficients, hyperbolic elliptic, and parabolic equations, Fourier analysis, Green's function.

Note: Expected to be given in 2001–02.

Prerequisite: Familiarity with functions of a complex variable.

Mathematics 121. Linear Algebra and Applications

Catalog Number: 7009

Tom Graber

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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

Barry C. Mazur

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

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

Barry C. Mazur

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2



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

Daniel Allcock

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

Richard L. Taylor

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Representation theory of finite groups including character theory, induced representations, Frobenius reciprocity, and interesting applications.

Mathematics 128. Lie Algebras

Catalog Number: 6519

Lisa J. Carbone

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

General structures of Lie algebras, Poincaré-Birkhoff-Witt theorem, Campbell Hausdorff formula, Levi decomposition classification of simple Lie algebras and their representations.

Mathematics 131. Topology

Catalog Number: 2381

Curtis T. McMullen

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Basic notions of point set topology such as continuity, compactness, separation theorems, metrizable. Algebraic topology including fundamental groups, covering spaces, and higher homotopy groups.

Prerequisite: Some acquaintance with metric space topology (Mathematics 25a,b, 55a,b, 101, or 112) and with groups (Mathematics 101 or 122).

Mathematics 134. Calculus on Manifolds

Catalog Number: 7150

Tom C. Braden

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

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

Kim Anders Froyshov

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Smooth manifolds, intersection theory, vector fields, Hopf degree theorem, Euler characteristic, De Rham theory.

Prerequisite: Mathematics 23a,b, 25a,b, 55a,b, or 134.

Mathematics 136. Differential Geometry

Catalog Number: 1949

Shing-Tung Yau

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

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

Yuhan Zha

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Affine and projective spaces, plane curves, Bezout's theorem, singularities and genus of a plane curve, Riemann-Roch theorem.

Prerequisite: Mathematics 122, 123.

Mathematics 138. Classical Geometry

Catalog Number: 0162

Danny Calegari

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

An introduction to spherical, Euclidean and hyperbolic geometry in two and three dimensions, with an emphasis on the similarities and differences between these flavors of geometry. The most important tool in analyzing these geometries will be a study of their symmetries; we will see how this leads naturally to basic notions in group theory and topology. Topics to be covered might include classical tessellations, the Gauss-Bonnet theorem, scissors congruence, orbifolds, and fibered geometries.

Prerequisite: Mathematics 21a,b.

Mathematics 139. Classical Geometry and Low-Dimensional Topology

Catalog Number: 6979

Danny Calegari

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A continuation of the study of spherical, Euclidean and especially hyperbolic geometry in two



and three dimensions begun in Mathematics 138. The emphasis will be on the relationship with topology, and the existence of metrics of constance curvature on a vast class of two and three dimensional manifolds. We will concentrate mainly on a detailed study of examples, and we will try to be as explicit and as elementary as possible. Topics to be covered might include: uniformization for surfaces, shapes and volumes of hyperbolic polyhedra, circle packing and Andreev's theorem, and hyperbolic structures on knot complements.

Prerequisite: Mathematics 21ab, 113, 138 would be vary useful, but not essential.

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. Unsolvble 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 (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 .

Prerequisite: Mathematics 141, or Computer Science 121 or permission of instructor.

[Mathematics 143 (formerly Mathematics 143r). Set Theory]

Catalog Number: 6005

Gerald E. Sacks

Half course (spring term). Hours to be arranged.

Axioms of set theory. Gödel's constructible universe. Consistency of the axiom of choice and of the generalized continuum hypothesis. Cohen's forcing method. Independence of the AC and GCH.

Note: Expected to be given in 2001–02.

Prerequisite: Any mathematics couse at the level of 21a or higher, or permission of instructor.

Mathematics 191. Mathematical Probability

Catalog Number: 4306

Joseph D. Harris

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

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 192. Algebraic Combinatorics

Catalog Number: 5806

Richard P. Stanley (Massachusetts Institute of Technology)

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A basic introduction to enumerative and algebraic combinatorics, focusing on applications of linear algebra, group theory, and ring theory to combinatorics. Topics: generating functions, transfer matrices, the Matrix-Tree Theorem, and Young tableaux.

Note: No prior knowledge of combinatorics is assumed.

Prerequisite: Math 122 or equivalent.

Cross-listed Courses

Applied Mathematics 105a. Complex and Fourier Analysis

Applied Mathematics 105b. Ordinary and Partial Differential Equations

Applied Mathematics 107. Graph Theory and Combinatorics

[Philosophy 144. Logic and Philosophy]

Primarily for Graduates

Mathematics 212a. Functions of a Real Variable

Catalog Number: 5446

Shlomo Z. Sternberg

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

A review of measure and integration. Banach spaces, L^p spaces, and the Riesz representation theorem.

Prerequisite: Experience with courses involving rigorous proofs: e.g., Mathematics 25a,b, 112, 122.

Mathematics 212b. Functions of a Real Variable

Catalog Number: 7294

Shlomo Z. Sternberg

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continuation of Mathematics 212a. Banach and Hilbert spaces. Self adjoint, normal operators and their functional calculus. Spectral theory. Integral and compact operators. Wavelets and other applications.

Prerequisite: Mathematics 212a.

Mathematics 213a. Functions of One Complex Variable

Catalog Number: 1621

Curtis T. McMullen

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Fundamentals of complex analysis, and further topics such as elliptic functions, canonical products, conformal mapping, extremal length, harmonic measure, capacity, hyperbolic



geometry, quasiconformal maps.

Prerequisite: Basic complex analysis, topology of covering spaces, differential forms.

Mathematics 213b. Further Topics in Classical Complex Analysis

Catalog Number: 2641

Curtis T. McMullen

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Fundamentals of Riemann surfaces. Topics may include sheaves and cohomology, uniformization, moduli, several complex variables.

Mathematics 214. Harmonic Measure

Catalog Number: 3329

Ilia A. Binder

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Possible topics will include: Dimension properties of harmonic measure in the plane: relations with rational dynamics, thermodynamical formalism: connections with probability theory, dimension properties of Brownian motion.

Mathematics 215. Topics in Several Complex Variables

Catalog Number: 6772

Yum Tong Siu

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Kaehler geometry, applications of L^2 estimates of $\bar{\partial}$ to problems in algebraic geometry, relationship between diophantine approximation and the higher dimensional Nevanlinna theory of value distribution.

Mathematics 218. Restriction of Representations to Reductive Subgroups

Catalog Number: 7861

Toshiyuki Kobayashi (University of Tokyo)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A study of the restriction of infinite dimensional representations of real reductive Lie groups to certain reductive Lie groups to certain reductive subgroups. Techniques for the geometric construction of representations, branching laws with emphasis on discrete decomposable cases such as K-type formulas, and multiplicities will be studied in detail.

Mathematics 230ar. Differential Geometry

Catalog Number: 0372

Shing-Tung Yau

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

A study of Riemannian manifolds, geodesics and curvature, and relations between curvature and topology. Also, a discussion of connections in principal bundles, spinors and Dirac operators, and the Bochner method.

Prerequisite: Math 131 and familiarity with smooth manifolds.

Mathematics 230br. Differential Geometry

Catalog Number: 0504



Shing-Tung Yau

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Topics in Riemannian geometry, Kähler geometry, Hodge theory, and Yang-Mills theory.

Note: Continuation of Mathematics 230ar.

Prerequisite: Differential Topology.

Mathematics 245. Proof Theory

Catalog Number: 0756

Warren Goldfarb

Half course (fall term). Tu., 2–4 and an hour to be arranged. EXAM GROUP: 16, 17

Herbrand's and Gentzen's analysis of logical inference; Hilbert's program for consistency proofs by metamathematical treatment of proof structures; consistency of number theory and subsystems of analysis; ordinal-theoretic measures of the strength of axiomatic theories; the logic of provability.

Mathematics 250a. Higher Algebra

Catalog Number: 4384

Alexander Braverman

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Rudiments of category theory, modules and rings, representation theory of finite groups, and some homological algebra.

Prerequisite: Mathematics 123 or equivalent.

Mathematics 250b. Higher Algebra

Catalog Number: 8464

Alexander Braverman

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Commutative algebra, infinite Galois theory, and fields and valuations.

Mathematics 251. Kac-Moody Algebras

Catalog Number: 1993

Lisa J. Carbone

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to Kac-Moody algebras, a particular class of infinite dimensional Lie algebras, their representations, Kac-Moody groups, and the buildings of Kac-Moody groups over finite fields.

Prerequisite: Some familiarity with finite dimensional Lie algebras and their representations, as in Mathematics 128.

Mathematics 253. Arithmetic Curves and Surfaces

Catalog Number: 7783

Yuhan Zha

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Arithmetic Riemann-Roch theorems for arithmetic curves and surfaces. Arithmetic adjunction formula, Noether formula, Hodge index theorem. Small sections of ample line bundles and other applications.



Prerequisite: An understanding of the first 3 chapters of Hartshorne's book in algebraic geometry or its equivalent.

Mathematics 257. Topics in Deformation Theory

Catalog Number: 8481

Dmitry Tamarkin

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A discussion of how to associate a Lie algebra with a given deformation problem. We will consider several examples (complex structures, flat connections, Goldman-Millson theory, deformation quantization, etc.), and provide a proof of M. Kontsevich formality theorem.

Mathematics 260a. Introduction to Algebraic Geometry

Catalog Number: 7004

Peter B. Kronheimer

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

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

Peter B. Kronheimer

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Continuation of Mathematics 260a.

Prerequisite: Mathematics 260a.

Mathematics 266r. An Introduction to the Theory of Representations of p-adic Groups

Catalog Number: 4183

David Kazhdan

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

The definition of admissible representations. A study of the basic properties of the category of admissible representations (including the description of the Bernstein's center and the Paley-Wiener theorem)

Mathematics 267. The Minimal Model Program and Moduli Spaces of Curves

Catalog Number: 6966

Sean M. Keel (University of Texas, Austin)

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A description of the geometry of moduli spaces of curves, both local (the deformation theory of pointed curves) and global (the Picard groups of moduli spaces; their ample and effective cones). An overview of the minimal model program and how it is carried out in general. Finally, we will consider the application of the minimal model program to moduli spaces of curves, and what it says about their geometry.

Mathematics 269. Topics in Lie Theory

Catalog Number: 0427

Eric Sommers



Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

An overview of some topics in the representation theory of algebraic groups over different fields. Will begin with a short treatment of algebraic groups which will be followed by a survey of some results in the representation theory of reductive groups over finite fields. Other topics: the Borel-Weil-Bott theorem, the Springer correspondence, and properties of nilpotent orbits.

Note: A familiarity with Lie algebras on the level of Mathematics 128 would be helpful. Also some previous exposure to algebraic geometry.

Mathematics 272a. Introduction to Algebraic Topology

Catalog Number: 1666

Tom C. Braden

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Homotopy theory. Covering spaces and fibrations. Simplicial and CW complexes. Manifolds. Homology theories. Universal coefficients and Künneth formulas. Hurewicz theorem. Applications to fixed point theory and other topics.

Prerequisite: Mathematics 131 or permission of instructor.

Mathematics 272b. Introduction to Algebraic Topology

Catalog Number: 6502

Tom C. Braden

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Cohomology theories. Duality theorems. Fibre bundles. Spectral sequences. Eilenberg-MacLane spaces.

Prerequisite: Mathematics 272a.

Mathematics 273. Topics in Symplectic Topology

Catalog Number: 8608

Dusa Margaret McDuff ((SUNY))

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A discussion of J-holomorphic curves and applications. A study of some of the technical results needed to set up the theory, and then a discussion of various applications, such as Polterovich's proof that the Hofer diameter of the group of symplectomorphisms of S^2 is infinite and the Lalonde-McDuff result that the homotopy groups of $\text{HAM}(M, \omega)$ -- the group of Hamiltonian symplectomorphisms of (M, ω) -- act trivially on the rational homology of M .

Note: The course is intended for students without much knowledge of symplectic geometry.

Mathematics 277. Topology and Geometry of 3-Manifolds

Catalog Number: 5131

Nathan Dunfield

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

A study of the foundations of the theory of 3-manifolds, as well as selected advanced topics.

Note: No prior experience with 3-manifolds will be assumed.

Mathematics 278. Floer Homology

Catalog Number: 5093

Kim Anders Froyshov



Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14
Floer homology groups in Yang-Mills and Seiberg-Witten theory and numerical invariants derived from these.

Graduate Courses of Reading and Research

***Mathematics 301. Theory and Practice of Teaching in the Mathematical Sciences**

Catalog Number: 4344

Daniel L. Goroff 7683 and Wilfried Schmid 5097

Half course (spring term). Hours to be assigned.

***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 312. Topics in Geometry and Representation Theory**

Catalog Number: 5174

Tom C. Braden 3586

***Mathematics 314. Topics in Differential Geometry and Mathematical Physics**

Catalog Number: 2743

Shlomo Z. Sternberg 1965

***Mathematics 318. Topics in Number Theory**

Catalog Number: 7393

Barry C. Mazur 1975

***Mathematics 321. Topics in Mathematical Physics**

Catalog Number: 2297

Arthur M. Jaffe 2095

***Mathematics 322. Topics in Representation Theory**

Catalog Number: 2962

Alexander Braverman 3630

***Mathematics 325. Topics in Mathematics**

Catalog Number: 5928

David Kazhdan 4668

***Mathematics 327. Topics in Several Complex Variables**

Catalog Number: 0409

Yum Tong Siu 7550



***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

***Mathematics 335. Topics in Differential Geometry and Analysis**

Catalog Number: 5498

Clifford Taubes 1243 (on leave spring term)

***Mathematics 337. Topics in Algebraic Geometry**

Catalog Number: 9000

Kalle Karu 2366 (on leave 2000-01)

***Mathematics 338. Topics in Algebra**

Catalog Number: 5996

Lisa J. Carbone 3587

***Mathematics 341. Topics in Arithmetic Algebraic Geometry**

Catalog Number: 9365

Matthew Baker 3325

***Mathematics 345. Topics in Geometry and Topology**

Catalog Number: 4108

Peter B. Kronheimer 1759

***Mathematics 346. Topics in Deformation Theory**

Catalog Number: 8245

Dmitry Tamarkin 2463

Half course (fall term; repeated spring term). Tu., Th., 11–12:30.

***Mathematics 347. Topics in Complex Analysis**

Catalog Number: 7343

Ilia A. Binder 3585

***Mathematics 350. Topics in Mathematical Logic**

Catalog Number: 5151

Gerald E. Sacks 3862

***Mathematics 351. Topics in Algebraic Number Theory**

Catalog Number: 3492

Richard L. Taylor 1453



***Mathematics 352. Topics in Complex Manifolds**

Catalog Number: 7458

Yang Liu 2158

***Mathematics 353. Topics in Lattices and Arithmetic Groups in Algebraic Geometry**

Catalog Number: 0570

Daniel Allcock 2186

***Mathematics 356. Topics in Harmonic Analysis**

Catalog Number: 6534

Wilfried Schmid 5097

***Mathematics 358. Topics in Gauge Theory**

Catalog Number: 8246

Kim Anders Froyshov 1104

***Mathematics 365. Topics in Differential Geometry**

Catalog Number: 4647

Shing-Tung Yau 1734

***Mathematics 372. Topics in Arakelov Geometry**

Catalog Number: 9471

Yuhan Zha 2282

***Mathematics 374. Topics in Geometric Topology**

Catalog Number: 3971

Danny Calegari 3332

***Mathematics 382. Topics in Algebraic Geometry**

Catalog Number: 2037

Joseph D. Harris 2055

***Mathematics 385. Topics in Representation Theory**

Catalog Number: 7037

Eric Sommers 2247

***Mathematics 389. Topics in Number Theory**

Catalog Number: 6851

Noam D. Elkies 2604 (on leave 2000-01)



Medical Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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 Joseph A. Majzoub, Associate Professor of Pediatrics and Medicine (*Medical School*)
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 Mark Mercola, Associate Professor of Cell Biology (*Medical School*)
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 James Morris, Junior Fellow of the Society of Fellows (*Medical School*)
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 Arlene H. Sharpe, Associate Professor of Pathology (*Medical School*)



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Joseph Wagstaff, Assistant Professor of Pediatrics (*Medical School*)
W. Allan Walker, Conrad Taff Professor of Nutrition and Pediatrics (*Medical School*) and Professor in the Department of Nutrition (*Public Health*) (*Medical School*)
Christopher A. Walsh, Bullard Professor of Neurology (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Thomas Walz, Assistant Professor of Cell Biology (*Medical School*)
Gerald L. Waneck, Assistant Professor of Surgery (*Medical School*)
Frederick C. Wang, Associate Professor of Medicine (*Medical School*)
Ning Wang, Assistant Professor of Physiology and Cell Biology (*Public Health*)
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*)
Morris F. White, Associate Professor of Biochemistry (*Medical School*)
Malcolm Whitman, Associate Professor of Cell Biology (*Medical School*)
Louise E. Wilkins-Haug, Assistant Professor of Obstetrics, Gynecology, and Reproductive Biology (*Medical School*)
Walter C. Willett, Professor of Medicine (*Medical School*) and Frederick John Stare Professor of Epidemiology and Nutrition (*Public Health*)
Thomas H. Wilson, Professor of Cell Biology (*Medical School*)
Fred Winston, Professor of Genetics (*Medical School*)
Dyann F. Wirth, Professor of Tropical Public Health (*Medical School*, *Public Health*)
Chao-Ting Wu, Assistant Professor of Genetics (*Medical School*)
Kai Wucherpfennig, Assistant 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*)
Hagop Youssoufian, Assistant Professor of Medicine (*Medical School*)
Junying Yuan, Associate 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, Associate 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, and Robert E. Kingston (Medical School) 1153

This seminar is designed to help students learn presentation skills. Each student in their fourth year will be required to give a 20 minute talk to other fourth year students and selected faculty. The talk will be based upon the research in the student's thesis lab (ie. a "lab" talk, not necessarily the student's own research.) The course faculty will help in the preparation of the talk and will give feedback following the talk. Students must register for this course by their fifth year.

***BBS 333r (formerly Medical Sciences 333r). Introduction to Research in Biological and Biomedical Sciences**

Catalog Number: 1206

Constance L. Cepko (Medical School) 1150

***BBS 380 (formerly Medical Sciences 380). Reading and Research in Biological and Biomedical Sciences**

Catalog Number: 0349

Constance L. Cepko (Medical School) 1150

Biological Chemistry and Molecular Pharmacology

All courses in Biological Chemistry and Molecular Pharmacology are subject to limitation in enrollment and will not be offered unless there is sufficient demand. For courses in



Neuropharmacology, see listings under Neurobiology. For more courses in biochemistry, see other listings in the FAS Biological Sciences section.

Primarily for Graduates

BCMP 200. Molecular Biology

Catalog Number: 5591

Stephen Buratowski (Medical School), David E. Fisher (Medical School) and associates
Half course (fall term). M., W., F., 10:30–12.

An advanced treatment of the Central Dogma of molecular biology. The course will consider the molecular basis of genetic information transfer from DNA to RNA to protein, using current examples from eukaryotic and prokaryotic systems. Topics include DNA and chromatin structure, replication, DNA repair, genome stability and plasticity, transcription, post-transcriptional RNA processing, translation, and post-translational regulation. Lectures and discussion sessions will emphasize experimental techniques and primary literature readings.

Note: Offered jointly with the Medical School as BP 723.0.

Prerequisite: Intended primarily for graduate students familiar with basic molecular biology or with strong biology/chemistry background.

BCMP 201. Proteins: Structure, Function and Catalysis

Catalog Number: 5068

Thomas E. Ellenberger (Medical School), Stephen C. Blacklow (Medical School), Stephen C. Harrison, and Christopher T. Walsh (Medical School)
Half course (spring term). Tu., Th., 9:30–11, W., 4:30–6; First class meets 1/30/01.

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, intracellular targeting of proteins, the regulated assembly and disassembly of macromolecular complexes, the structural basis for enzymatic catalysis, fidelity and proofreading mechanisms, energy transduction, and the generation of force by proteins.

Note: Offered jointly with the Medical School as BP714.0

Prerequisite: Knowledge of introductory general biochemistry, elementary physical chemistry, and molecular genetics required.

***BCMP 205. Principles of Pharmacology**

Catalog Number: 1737

David E. Golan (Medical School) and members of the Department
Half course (spring term). M., through F., 8:30–12. First class meets 2/08/01, class ends 3/9/01.

Intensive introduction to pharmacology, emphasizing basic mechanisms of drug action and principles of drug-receptor interactions, pharmacokinetics, and drug metabolism. Drug classes illustrated using prototypic drugs. Examples drawn from autonomic nervous system, cardiovascular, and central nervous system pharmacology; autacoids and chemotherapeutic agents also considered.

Note: Offered jointly with the Medical School as IN 705.0. Ten hours of lecture, four hours of conference, and four hours of tutorial per week. Permission of both the course director and the



Medical School Registrar is required.

Prerequisite: Introductory biochemistry and physiology preferred but not required.

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

Catalog Number: 0529 Enrollment: May be limited.

Donald M. Coen (Medical School), David E. Golan (Medical School), James M. Hogle (Medical School), Christopher T. Walsh (Medical School), Morris F. White (Medical School) and Associates

Half course (spring term). Tu., Th., 3:30–5:30.

Explores how molecular biology, structural biology, and modern enzymology have revolutionized understanding of selective drug action and development of new therapies. Analyzes molecular underpinnings of basic pharmacological principles. Examples drawn primarily from pathways central to molecular biology such as signal transduction, DNA replication, and gene expression with application to diseases including cancer, diabetes, and AIDS.

Note: Offered jointly with the Medical School as BP 715.0. Intended primarily for graduate students.

BCMP 210. Theory and Practice of Techniques in Molecular Biology

Catalog Number: 1230

Welcome W. Bender (Medical School), Donald K. Morisato (Medical School), and Stanley Tabor (Medical School)

Half course (spring term). M., 2–4, W., 2–5, F., 2–4.

Reviews the principles of common lab techniques, and discusses recent innovations. A variety of procedures will be tested experimentally. Topics include separation techniques for nucleic acids and proteins, polymerase reactions, nucleic acid reassociations, and biological database searching and analysis. Course format includes lecture, lab experiments, and discussions.

Note: Offered jointly with the Medical School as BP 725.0.

Prerequisite: Exposure to molecular techniques will be assumed.

***BCMP 213. Behavioral Pharmacology**

Catalog Number: 4782 Enrollment: Limited to 15.

Jack Bergman (Medical School), William H. Morse (Medical School) and associates

Half course (spring term). Tu., 2–5.

Introduction to CNS pharmacology and behavior. Effects of psychomotor stimulants, antischizophrenics, opioid analgesics, and antianxiety agents on behavior. Emphasis on methodology, pharmacological analysis, and drug dependence; attention to tolerance, withdrawal, and self-administration of drugs.

Note: Offered jointly with the Medical School as BP 719.0.

[BCMP 225. Biochemistry of Muscle]

Catalog Number: 3442 Enrollment: Limited to 10. Maximum 10.

John Gergely (Medical School)

Half course (spring term). Tu., Th., 3–5.

Topics: properties and interactions of myofibrillar proteins; molecular architecture of contractile apparatus; regulatory proteins; role of calcium ions in excitation-contraction coupling; regulation



of intracellular calcium ion concentration; models of muscle contraction and their relation to molecular properties of myofibrillar proteins. Applications to diseases of skeletal and cardiac muscles.

Note: Expected to be given in 2001–02. Given in alternate years. Offered jointly with the Medical School as BP 703.0.

Prerequisite: Introductory biochemistry.

BCMP 228. Macromolecular Crystallography and NMR

Catalog Number: 3969

Gerhard Wagner (Medical School) and James M. Hogle (Medical School)

Half course (fall term). Hours to be arranged.

Theory and practice of modern methods of structural analysis: model building of proteins and DNA, growing protein crystals, making a heavy atom derivative, taking X-ray precession photographs, solving a protein structure; setup of 2D NMR experiments, spectral assignment distance geometry, and other modeling programs on graphics workstations. The two parts of this course, Macromolecular Crystallography and Macromolecular NMR, can be taken together as a half course, or individually as a quarter course under BCMP 370.

Note: 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.

Graduate Courses of Reading and Research

***BCMP 300. Enzyme Mechanisms**

Catalog Number: 1867

Christopher T. Walsh (Medical School) 2036

***BCMP 304. Selenoproteins and Translational Control of Gene Expression**

Catalog Number: 2268

Marla J. Berry (Medical School) 2061

***BCMP 305. Mechanisms of Visual Transduction and Adaptation and Biochemical Mechanisms of Drug Action**

Catalog Number: 0834

Robert R. Rando (Medical School) 4125



***BCMP 307. Hormone Receptor Interaction in Bone Biology**

Catalog Number: 3484

Michael Rosenblatt (Medical School) 1138

***BCMP 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 (formerly Microbiology 337). Structure of Viruses, Viral Proteins, Receptors, Transcription Factors**

Catalog Number: 3623

Stephen C. Harrison 3597

***BCMP 312. Molecular Mechanisms of DNA Damage and Repair and Mutagenesis**

Catalog Number: 0828

Irving H. Goldberg (Medical School) 3677

***BCMP 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 320. Cell Biology of Eukaryotes**

Catalog Number: 0265

Pamela A. Silver (Medical School) 1595

***BCMP 321. Structure and Function of DNA Replication and Repair Proteins**

Catalog Number: 7298

Thomas E. Ellenberger (Medical School) 1643

***BCMP 323. Biochemistry of Muscle Contraction**

Catalog Number: 2794

John Gergely (Medical School) 2477

***BCMP 324. Structure and Replication of DNA**

Catalog Number: 5059

Charles C. Richardson (Medical School) 2479



***BCMP 325. Genomic Instability and Cancer Susceptibility**

Catalog Number: 4110

Alan D. D'Andrea (Medical School) 3532

***BCMP 326. Molecular Mechanisms of Drosophila Development**

Catalog Number: 1248

Donald K. Morisato (Medical School) 1803

***BCMP 329. Structure Biology of Cytoplasmic Signal Transduction**

Catalog Number: 5005

Michael J. Eck (Medical School) 1739

***BCMP 332. Structural Neurology**

Catalog Number: 0276

Peter T. Lansbury (Medical School) 2115

***BCMP 333. Regulation of Biosynthetic Processes**

Catalog Number: 4876

Henry P. Paulus (Medical School) 1205

***BCMP 334. Signal Transduction Across the Plasma Membrane**

Catalog Number: 6616

Eva J. Neer (Medical School) 2214

***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 341. Electron Paramagnetic Resonance Spectroscopy**

Catalog Number: 0837

Keith W. Miller (Medical School) 4124



***BCMP 342. Signal Transduction in Eukaryotic Cells**

Catalog Number: 4557

Haruo Saito (Medical School) 2028

***BCMP 343. Molecular Genetics of Herpes Viruses**

Catalog Number: 0868

Donald M. Coen (Medical School) 7617

***BCMP 344. Molecular Pharmacology of Excitable Membranes**

Catalog Number: 0200

Gary R. Strichartz (Medical School) 7530

***BCMP 346. Lipid Mediators in Cell Signalling**

Catalog Number: 8258

Charles N. Serhan (Medical School) 3163

***BCMP 347. Structural Analysis of Viruses and Receptors**

Catalog Number: 5105

Thilo Stehle (Medical School) 4990 (Medical School)

***BCMP 351. Molecular and Cellular Endocrinology**

Catalog Number: 0208

Armen H. Tashjian, Jr. (Medical School) 2071

***BCMP 356. Solution Structures of Proteins by NMR Spectroscopy**

Catalog Number: 8093

Gerhard Wagner (Medical School) 2626

***BCMP 357. Problems in Nucleic Acid and Nucleic Acid/Protein Crystallography**

Catalog Number: 6132

Christin A. Frederick (Medical School) 2614

***BCMP 359. Molecular Mechanisms of Signal Transduction**

Catalog Number: 8520

Elaine A. Elion (Medical School) 2941

***BCMP 360. Regulating Skeletal Myogenesis**

Catalog Number: 6934

Andrew B. Lassar (Medical School) 2946

***BCMP 361. X-Ray Crystallographic Studies of Viruses and Proteins**

Catalog Number: 4155

James M. Hogle (Medical School) 2943



***BCMP 362. Eukaryotic Survival Decisions**

Catalog Number: 4972

David E. Fisher (Medical School) 1800

***BCMP 363. The Mechanics and Regulation of Mitosis**

Catalog Number: 4981

David Pellman (Medical School) 3702

***BCMP 370. Advanced Topics in Biological Chemistry and Molecular Pharmacology**

Catalog Number: 0482

Donald K. Morisato (Medical School) 1803 and James M. Hogle (Medical School) 2943

A series of reading and discussion seminars, each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***BCMP 371. Characterization of Eukaryotic Replication Initiation Factors. Initiation of Eukaryotic DNA Replication: A Biochemical Analysis**

Catalog Number: 3739

Johannes Walter (Medical School) 3846

***BCMP 372. Methods and Applications in Computational Molecular Biology**

Catalog Number: 1638

Frederick P. Roth (Medical School) 3912

Cross-Listed Courses

Biophysics 101. Genomics and Computational Biology

Cell Biology

Primarily for Graduates

Cell Biology 201. Molecular Biology of the Cell

Catalog Number: 1044

Rong Li (Medical School), Tom Rapaport (Medical School), Marc W. Kirschner (Medical School), Timothy J. Mitchison (Medical School), and Frank D. McKeon (Medical School)
Half course (spring term). M., W., at 10:30-12; plus sections F. at 10:30-12.

Current concepts in Cell Biology and Biochemistry, with emphasis on experimental approaches. Topics include cellular architecture, the molecular basis of cellular compartmentalization, protein trafficking, protein degradation, cytoskeleton, molecular motors, cell division cycle, signal transduction, and the cellular/biochemical basis of diseases. The course will also cover various methods, such as protein purification, sequencing, analysis of protein-protein interactions, and others.



Note: Offered jointly with the Medical School as CB 7130.

Prerequisite: Basic knowledge in biochemistry and genetics.

Cell Biology 206. Physiology of Normal and Transformed Cells

Catalog Number: 4804 Enrollment: Minimum of 4.

Claude P. Lechene (Medical School)

Half course (spring term). Hours to be arranged.

Cellular homeostasis, (Na⁺,K⁺)-pump, intracellular pH signal transduction through integrins, membrane events and cellular growth and division. Discussion of altered regulation of membrane events by specific oncoproteins.

Note: Given in alternate years. Offered jointly with the Medical School as CB 703.0.

Cell Biology 207. Developmental Biology: Molecular Mechanisms of Vertebrate Development

Catalog Number: 2044 Enrollment: Limited to 25.

Mark Mercola (Medical School), John G. Flanagan (Medical School), Andrew B. Lassar (Medical School), Thomas M. Schultheiss (Medical School), Sergei Y. Sokol (Medical School), Clifford J. Tabin (Medical School), and Malcolm Whitman (Medical School)

Half course (spring term). Tu., Th., 2–4.

Analysis of the developmental programs of frog, chick, and mouse embryos with emphasis on experimental strategies for understanding the responsible molecular mechanisms. The course discusses the formation of the basic body plan and the formation of selected organs. General mechanisms of patterning and morphogenesis will be emphasized. Topics include developmental anatomy of early embryos, primary axis formation and regional specification, formation of the nervous system and eye development, establishment of cell fate, homeotic genes and the control of pattern, cell migration and cell-cell signalling, muscle, heart, kidney and limb development. Course includes lectures and conferences. Two short research proposals will be required in lieu of exams.

Note: Offered jointly with the Medical School as CB 710.0.

Prerequisite: Microbiology 201 or equivalent.

[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 tumorigenesis. Emphasizes the molecular basis of growth control and includes studies of growth factors, membrane receptors, intracellular signal transduction, cell cycle control, apoptosis, transcription, and DNA repair. Focuses on oncogenes, tumor suppressors, and how oncogenic viruses regulate cell growth.

Note: Expected to be given in 2001–02. Given in alternate years. Offered jointly with the Medical School as CB 704.0.

Prerequisite: General knowledge of biochemistry, molecular genetics, and cell biology.

Cell Biology 211b. Growth Factors and Signal Transduction

Catalog Number: 4169 Enrollment: Limited to 30.



Charles D. Stiles (Medical School), Alan D. D'Andrea (Medical School), and Thomas M. Roberts (Medical School)

Half course (fall term). Hours to be arranged. 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 '98), this block featured one lecture "snapshots" of 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 213. Biological Machines]

Catalog Number: 8427

Robin Reed (Medical School), Thomas E. Ellenberger (Medical School), Daniel Finley (Medical School), Tomas Kirchhausen (Medical School), Danesh Moazed (Medical School), Tom Rapoport (Medical School), Bruce J. Schnapp (Medical School), and Gary I. Yellen (Medical School)

Half course (fall term). M., W., F., 2–4.

Most major cellular processes are carried out by complex macromolecular machines. The course will investigate the basic principles of these machines by exploring specific examples, including the proteasome, chaperones, nucleocytoplasmic transport machinery, the spliceosome, protein translocation machinery, ion channels, DNA polymerases and topoisomerases, molecular motors and chromatin remodeling machinery. We will examine the structure and assembly of these machines, the mechanisms they use to achieve fidelity, how and why energy is used, the role of conformational changes, and reasons for the extreme complexity of many of the machines. The format will be essentially a workshop, with frequent presentations by students. The material will be focused on the current literature, with an emphasis on experimental design and proposing new experiments.

Note: Expected to be given in 2001–02. Given in alternate years. Course web site is <http://cbweb.med.harvard.edu/biomachine/>. The BioInformation Systems Manager will be Scott Storms, PhD. Offered jointly with the Medical School as CB 719.0

Prerequisite: Undergraduate level biochemistry, molecular biology, cell biology.

Graduate Courses of Reading and Research

***Cell Biology 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 5825

Alfred L. Goldberg (Medical School) 2827 and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Topics cover areas of interest in cell, molecular, and developmental biology such as spatial organization of cytoplasm, apoptosis, membrane trafficking, and tumor progression and metastasis. Different topics are covered each term.



Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Cell Biology 304. Regulation of the Cell Cycle**

Catalog Number: 0414

Joan V. Ruderman (Medical School) 2622

***Cell Biology 305. Developmental Biology**

Catalog Number: 3314

Elizabeth D. Hay (Medical School) 1011

***Cell Biology 306. Permeability and Biological Transport**

Catalog Number: 0416

Thomas H. Wilson (Medical School) 2137

***Cell Biology 307. Cell–Cell Signaling in Neural Development**

Catalog Number: 1911

John G. Flanagan (Medical School) 3149

***Cell Biology 308. Membrane Biology**

Catalog Number: 6173

Dennis A. Ausiello (Medical School) 1288

***Cell Biology 309. RNA Splicing and Nuclear Export of mRNA**

Catalog Number: 2523

Robin Reed (Medical School) 2319

***Cell Biology 313. The Structure of the Nucleus and the Dynamics of Nuclear Transport**

Catalog Number: 3151

Frank D. McKeon (Medical School) 1990

***Cell Biology 314. Molecular Biology of Extracellular Matrix**

Catalog Number: 5077

Bjørn R. Olsen (Dental School, Medical School) 1164

***Cell Biology 316. Mechanism and Regulation of Intracellular Protein Turnover**

Catalog Number: 1017

Alfred L. Goldberg (Medical School) 2827

***Cell Biology 317. Mechanisms of Programmed Cell Death**

Catalog Number: 2270

Junying Yuan (Medical School) 2105



***Cell Biology 318. Molecular Biology of Cell Growth Regulation and Transformation**

Catalog Number: 3355

John Blenis (Medical School) 2612

***Cell Biology 319. Cell Polarity and Morphogenesis**

Catalog Number: 2986

Rong Li (Medical School) 2106

***Cell Biology 320. Mechanisms of Intracellular Transport**

Catalog Number: 4285

Bruce J. Schnapp (Medical School) 2948

***Cell Biology 321. Neuronal Pathfinding and Guidance**

Catalog Number: 4841

David L. Van Vactor (Medical School) 2089

***Cell Biology 322. Endothelial Cell Proliferation in Angiogenic Diseases**

Catalog Number: 5980

Joyce E. Bischoff (Medical School) 1448

***Cell Biology 323. Biology of Membranes and Intercellular Junctions**

Catalog Number: 2651

Daniel A. Goodenough (Medical School) 4077

***Cell Biology 325. RNA Localization in Neurons and Determination of Neuronal Fates**

Catalog Number: 4485

Kenneth S. Kosik (Medical School) 1814

***Cell Biology 326. Signal Transduction During Early Development**

Catalog Number: 1872

Malcolm Whitman (Medical School) 3267

***Cell Biology 328. Receptor-Mediated Endocytosis**

Catalog Number: 0438

Tomas Kirchhausen (Medical School) 1155

***Cell Biology 329. The Ubiquitin-Proteasome Pathway**

Catalog Number: 6826

Daniel Finley (Medical School) 2313

***Cell Biology 331. Growth Factors in Vertebrate Development**

Catalog Number: 5258

Mark Mercola (Medical School) 2947



***Cell Biology 333. High-resolution Electron Microscopy**

Catalog Number: 9254

Thomas Walz (Medical School) 3778

***Cell Biology 334 (formerly Microbiology 334). Molecular Analysis of Tyrosine Phosphatases**

Catalog Number: 2447

Benjamin Neel (Medical School) 2486

***Cell Biology 335. Signal Transduction**

Catalog Number: 2542

Lewis C. Cantley (Medical School) 1287

***Cell Biology 336. Signal Transduction in Normal and Transformed Cells**

Catalog Number: 6833

Joan S. Brugge (Medical School) 1486

***Cell Biology 337. Keratinocyte Growth and Differentiation**

Catalog Number: 2197

Howard Green (Medical School) 7318

***Cell Biology 338. Developmental Biology of Human Congenital Anomalies**

Catalog Number: 7867

Patricia K. Donahoe (Medical School) 3252

***Cell Biology 339. Cell Morphogenesis and Regulation**

Catalog Number: 3898

Marc W. Kirschner (Medical School) 1078

***Cell Biology 342. Cytoskeleton in Development and Cancer**

Catalog Number: 4059

Sheila Thomas (Medical School) 3777

***Cell Biology 343. Mechanisms of Mammalian Cell Differentiation and Gene Expression**

Catalog Number: 0202

Bruce M. Spiegelman (Medical School) 7733

***Cell Biology 344. Molecular Mechanism of Signal Transduction**

Catalog Number: 6093

Xi He (Medical School) 2004

***Cell Biology 345. Protein Transport Across the Endoplasmic Reticulum Membrane**

Catalog Number: 6793

Tom Rapoport (Medical School) 1815



***Cell Biology 346. Signal Transduction by Receptor Throsine Kinases**

Catalog Number: 1591

Andrius Kazlauskas (Medical School) 2088

***Cell Biology 347. Cellular and Molecular Aspects of Insulin Action**

Catalog Number: 1494

C. Ronald Kahn (Medical School) 2019

***Cell Biology 348. Structure, Function, and Development of Membrane Skeletons**

Catalog Number: 6638

Samuel E. Lux IV (Medical School) 7403

***Cell Biology 349. Chromosome Structure and Gene Silencing in Yeast**

Catalog Number: 8765

Danesh Moazed (Medical School) 4254

***Cell Biology 352. Vertebrate Embryology, Organogenesis, and Cell Differentiation**

Catalog Number: 9231

Thomas M. Schultheiss (Medical School) 2236

***Cell Biology 353. Regulation of Epithelial Morphogenesis by TGF-beta Family Signaling**

Catalog Number: 8239

Laurel A. Raftery (Medical School) 8686

***Cell Biology 354. Molecular Mechanisms of Intracellular Transport**

Catalog Number: 7605

Victor Wee Hsu (Medical School) 2606

***Cell Biology 355. Cell Interactions in Organ Morphogenesis**

Catalog Number: 1662

Merton Bernfield (Medical School) 1156

***Cell Biology 356. Cell Growth Regulation, Telomere Maintenance and Human Diseases**

Catalog Number: 3718

Kun Ping Lu (Medical School) 2607

***Cell Biology 357. Signal Transduction and Animal Cell Movement**

Catalog Number: 5835

Thomas P. Stossel (Medical School) 7734

***Cell Biology 358. Mechanisms of Tumor Metastasis**

Catalog Number: 0606

Bruce R. Zetter (Medical School) 7737

***Cell Biology 359. Intracellular Signaling Pathways in the Regulation of Cell Growth and Differentiation**



Catalog Number: 0335

David A. Frank (Medical School) 3276

***Cell Biology 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

Genetics

Primarily for Graduates

***Genetics 200. Genetics Development and Reproductive Biology**

Catalog Number: 4265 Enrollment: Limited to 4. Limited to 4 Division of Medical Sciences students.

Philip Leder (Medical School), Daniel D. Federman (Medical School), Bruce R. Korf (Medical School), and Clifford J. Tabin (Medical School)

Half course (spring term). M. through F., 8:30–12:30 First class meets 3/19/01 at 10:15 am. Call 432-0904.

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 432-1315 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), Iswar K. Hariharan (Medical School), Anne C. Hart (Medical School), Ann Hochschild (Medical School), and Fred Winston (Medical School)

Half course (fall term). M., W., F., 9–10:30.

An in-depth survey of genetics, beginning with basic principles and extending to modern approaches and special topics. To illustrate the principles of genetics, we will draw on examples from various systems, such as *Drosophila*, *C. Elegans*, *Saccharomyces*, mouse, human and bacteria. In addition, considerable time will be spent discussing important practical aspects and constraints of genetic analysis in various organisms. Section meetings will focus on critical



discussion of papers from the literature and on discussion of problem sets.

Note: Intended for first-year graduate students. Offered jointly with the Medical School as GN 701.0.

Genetics 212. Biology of Yeasts: Cell Proliferation and Differentiation

Catalog Number: 3476

Elaine A. Elion (Medical School)

Half course (spring term). W., 1:30–4:30.

This course will consider topics such as cell cycle control, determination of cell identity and cell morphology from the perspective of studies using yeasts as the experimental organism. We will concentrate on examining how scientific problems can be studied in these simple eukaryotes using genetic methods. Primary research papers will be discussed and critically evaluated. The two parts of this course can be taken together as a half course, or individually as quarter courses under BCMP 370/CB 300. The first quarter will consider determination of cell identity and control of cell differentiation; the second quarter will consider cell cycle control and morphogenesis.

Note: Offered jointly with the Medical School as GN 722.0.

Prerequisite: Genetics 201 or equivalent. May be taken concurrently.

Genetics 214. Biology of the Visual System

Catalog Number: 5537 Enrollment: Limited to 20. Minimum 5; maximum 20.

Constance L. Cepko (Medical School), Richard T. Born (Medical School), John E. Dowling, Thaddeus P. Dryja, Jr. (Medical School), John G. Flanagan (Medical School), Ilene K. Gipson (Medical School), Francesca Pignoni (Medical School), Robert R. Rando (Medical School), and Elio Raviola (Medical School)

Half course (fall term). M., W., 3–5.

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: Given in alternate years. An introductory course in neurobiology is suggested, but not required. Offered jointly with the Medical School as GN 714.0.

Genetics 216. Advanced Topics in Gene Expression

Catalog Number: 2244

Robert E. Kingston (Medical School) and Fred Winston (Medical School)

Half course (spring term). Tu., 1–4.

This course will cover both biochemical and genetic studies in regulatory mechanisms. We will discuss a small number of topics in depth, using the primary literature as the main source of information. Each area of research covered will be analyzed in terms of the conceptual basis for its study, its advancement and evolution, and the experimental approaches that were used. Topics will range from prokaryotic transcription to eukaryotic development.

Note: Offered jointly with the Medical School as GN 703.0.

Prerequisite: BCMP 200 and Genetics 201.

Genetics 218. Genotype to Phenotype: Epigenetic and Other Forms of Gene Regulation

Catalog Number: 2252 Enrollment: Limited to 15.



Chao-Ting Wu (Medical School), William C. Forrester (Medical School), and Jeannie T. Lee (Medical School)

Half course (spring term). Th., 1–4.

There is increasing interest in apparently unusual forms of gene regulation, many of which have been described as epigenetic. We will explore a selection of these phenomena, including X-inactivation, transvection, methylation, parental imprinting, RIP, MIP, quelling, co-suppression, and paramutation. Examples will be taken from prokaryotes, ciliates, fungi, plants, insects, and mammals. While the underlying bases for these processes may seem diverse, we will aim to identify unifying themes. The course format will entail paper discussions, lectures, and student presentations.

Note: 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

Nadia Rosenthal (Medical School) and David Hausman (Medical School) and associates

Half course (fall term). M., F., 9:30–12.

The focus of this course is on the scientific, clinical, and ethical aspects of modern human genetics. Basic science lectures covering genetic approaches and molecular underpinnings of inherited diseases are integrated with patient presentations and discussion. An outside project puts each student in direct contact with clinicians, researchers, and patients dealing in a particular disorder. During the first portion of the semester fundamental principles of human genetics are presented to the class. During these early sessions, students with stronger backgrounds meet in alternative sections with leading researchers to discuss related advanced topics based on reading of primary literature.

Note: Offered jointly with the Medical School as HT 160.

Graduate Courses of Reading and Research

***Genetics 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 1037

Susan M. Dymecki (Medical School) 1736

Topics cover areas of interest in cell, molecular, and developmental biology such as molecular genetics of learning and memory, conservation of embryological mechanisms, molecular organogenesis, and biology of yeasts. Different topics are covered each term.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Genetics 301. Research in Molecular Genetics and Molecular Oncology**

Catalog Number: 4780

Philip Leder (Medical School) 7527



***Genetics 302. Molecular Biology of Plants: Control of Eukaryotic Gene Expression**

Catalog Number: 3650

Howard M. Goodman (Medical School) 7526

***Genetics 303. Pathogenesis**

Catalog Number: 1972

Frederick Ausubel (Medical School) 4639

***Genetics 304. Molecular Genetics Basis of Human Disease, Particularly Cardiovascular Pathogenesis**

Catalog Number: 0693

Christine E. Seidman (Medical School) 3013

***Genetics 305. Genetics, Receptors and Ion Channels**

Catalog Number: 9027

Jing Zhou (Medical School) 3779

Half course (spring term). .

***Genetics 306. Inherited Human Disorders**

Catalog Number: 7324

Jonathan G. Seidman (Medical School) 7529

***Genetics 307. Hormonal Control of Gene Expression in Higher Organisms**

Catalog Number: 2938

David D. Moore (Medical School) 7876

***Genetics 308. Molecular Biology of Signal Transduction**

Catalog Number: 5616

Brian Seed (Medical School) 7619

***Genetics 309. Gene Expression in Yeast**

Catalog Number: 3763

Fred Winston (Medical School) 7877

***Genetics 310. Molecular Approaches to Developmental Neurobiology**

Catalog Number: 6324

Constance L. Cepko (Medical School) 1150

***Genetics 311. Molecular Mechanisms of Transcription Regulation in Mammals**

Catalog Number: 7310

Robert E. Kingston (Medical School) 1153

***Genetics 312. Molecular Genetics of Development**

Catalog Number: 8363

Gary B. Ruvkun (Medical School) 1366



***Genetics 314. Structure and Activities of Ribozymes**

Catalog Number: 7244

Jack Szostak (Medical School) 7096

***Genetics 315. Molecular Genetics of Inherited Disorders**

Catalog Number: 3362

James Gusella (Medical School) 1152

***Genetics 317. Targeted Mutagenesis in Mice to Study Molecular Control of Development**

Catalog Number: 2271

Jordan A. Kreidberg (Medical School) 2080

***Genetics 318. Genome Structure**

Catalog Number: 5012

George M. Church (Medical School) 1608

***Genetics 319. Mouse Models of Human Disorders**

Catalog Number: 0860

David R. Beier (Medical School) 3519

***Genetics 320. Contribution of Placental Karyotype Abnormalities to Adverse Pregnancy Outcomes**

Catalog Number: 2989

Louise E. Wilkins-Haug (Medical School) 2097

***Genetics 321. Genetics of Embryonic Development in Drosophila**

Catalog Number: 6501

Norbert Perrimon (Medical School) 1679

***Genetics 322. Vertebrate Pattern Formation**

Catalog Number: 0436

Clifford J. Tabin (Medical School) 2430

***Genetics 323. Molecular Biology of V(D)J Recombination**

Catalog Number: 6950

Marjorie A. Oettinger (Medical School) 3172

***Genetics 324. Transformation and Leukemogenesis by abl Oncogenes; Hematopoiesis**

Catalog Number: 7286

Richard A. Van Etten (Medical School) 3266

***Genetics 326. Genetics of TSC and Motility**

Catalog Number: 2900

David J. Kwiatkowski (Medical School) 3770



***Genetics 327. Mammalian Cell Cycle Control**

Catalog Number: 1535

Edward E. Harlow (Medical School) 2863

***Genetics 328. Lymphocyte Differentiation, Recombination, and Nuclear Oncogenes**

Catalog Number: 2702

Frederick W. Alt (Medical School) 3146

***Genetics 330. Critical Thinking and Research Proposal Writing**

Catalog Number: 0210 Enrollment: Open to all BBS students; others need approval of the instructor.

Alan M. Michelson (Medical School) 2029 and members of the Faculty

Half course (fall term). Tutorials to be scheduled individually by each group.

This course provides thorough coverage of the essential elements of hypothesis-driven research proposal writing. Through a series of written exercises and class discussions, students will learn how to choose an appropriate research subject, define specific scientific hypotheses to advance the understanding of the chosen topic, design a series of properly controlled experiments to investigate these questions, anticipate potential outcomes and technical pitfalls of the proposed experiments, and consider alternative interpretation of the predicted results. Emphasis will be placed on the organization of these concepts in a coherent, appropriately structured written format. Groups of approximately four students and two faculty instructors will meet for six tutorials during the course of the fall semester. Discussions will focus on the critical assessment of model research proposals and on the development of original proposals by individual students within the group.

Prerequisite: Core course in genetics, cell biology, molecular biology, and biochemistry.

***Genetics 331. Cell Cycle Checkpoints**

Catalog Number: 2348

Tamar L. Enoch (Medical School) 3521

***Genetics 333. Molecular Biology of Neuronal Plasticity and Alzheimer's Disease**

Catalog Number: 6418

Rachael L. Neve (Medical School) 3525

***Genetics 335. Epigenetics, Chromatin, Gene Structure, and Evolution**

Catalog Number: 4982

Chao-Ting Wu (Medical School) 3535

***Genetics 336. Developmental Biology of Hematopoiesis**

Catalog Number: 7165

Leonard I. Zon (Medical School) 1137

***Genetics 337. Human Molecular Genetics**

Catalog Number: 7194

Stuart H. Orkin (Medical School) 7402



***Genetics 339. Molecular Organ Development**

Catalog Number: 3779

Mark C. Fishman (Medical School) 1170

***Genetics 340. Iron Metabolism in Red Blood Cells**

Catalog Number: 2936

Nancy Andrews (Medical School) 1589

***Genetics 341. Anti-Tumor Immunity and Gene Transfer**

Catalog Number: 3599

Glenn Dranoff (Medical School) 1821

***Genetics 343. Axis Establishment in Early Vertebrate Embryogenesis**

Catalog Number: 5304

Jeremy Green (Medical School) 1950

***Genetics 344. Control of Gene Expression in Phagocytes and Injured Tissue**

Catalog Number: 5739

Ellis J. Neufeld (Medical School) 1951

***Genetics 345. Chromosomal Stability and Inherited Disorders**

Catalog Number: 4847

Hagop Youssoufian (Medical School) 2104

***Genetics 346. Molecular and Cell Biology of Serpins**

Catalog Number: 5323

Gary A. Silverman (Medical School) 2086

***Genetics 347. Genetics of Host Resistance to Infectious Disease**

Catalog Number: 5635

William F. Dietrich (Medical School) 2067

***Genetics 348. Molecular Genetics of Human Leukemias**

Catalog Number: 5908

D. Gary Gilliland (Medical School) 2068

***Genetics 349. Signal Transduction in Disease and Development**

Catalog Number: 0177

Andre Bernards (Medical School) 1824

***Genetics 350. Molecular Genetic Control of Mammalian Organogenesis**

Catalog Number: 4974

Richard L. Maas (Medical School) 3703

***Genetics 351. Using *Drosophila* as a Genetic System to Study Signal Transduction Pathways**



Catalog Number: 4998
Lizabeth A. Perkins (Medical School) 1604

***Genetics 352. Genetic and Molecular Approaches to Study Photoreceptor Cell Differentiation in the Drosophila Eye**

Catalog Number: 5055
Iswar K. Hariharan (Medical School) 1796

***Genetics 355. Molecular Genetics of Human Neuromuscular Diseases**

Catalog Number: 9253
Alan H. Beggs (Medical School) 1422

***Genetics 356. Hematopoiesis and Signal Transduction in Drosophila**

Catalog Number: 4608
Charles R. Dearolf (Medical School) 3251

***Genetics 357. Search for Genes Causing Hereditary Diseases of the Retina**

Catalog Number: 9953
Thaddeus P. Dryja, Jr. (Medical School) 2780

***Genetics 358. Mammalian Embryonic Patterning**

Catalog Number: 8297
Susan M. Dymecki (Medical School) 1736

***Genetics 360. Genomic Imprinting and Gene Expression**

Catalog Number: 6684
Marc E. Lalande (Medical School) 2503

***Genetics 361. Mechanism of X-inactivation in Mammals**

Catalog Number: 9152
Jeannie T. Lee (Medical School) 2129

***Genetics 362. Molecular Biology and Genetics of Cancer**

Catalog Number: 9382
David M. Livingston (Medical School) 4872

***Genetics 363. Neurogenesis in the Vertebrate Eye**

Catalog Number: 8658
Jarema Malicki (Medical School) 2202

***Genetics 364. Development Application of Mammalian Vectors**

Catalog Number: 7930
Richard C. Mulligan (Medical School) 2274



***Genetics 365. Genetic Imprinting and Human Disease**

Catalog Number: 0451

Joseph Wagstaff (Medical School) 2634

***Genetics 366. Molecular Genetic Approaches to Human Disease Mechanisms**

Catalog Number: 8153

Marcy E. MacDonald (Medical School) 2635

***Genetics 367. Mechanisms Governing Normal Cell Growth, Cancer and Aging**

Catalog Number: 2500

Ronald A. DePinho (Medical School) 2637

***Genetics 368. Molecular & Genetic Mechanisms Responsible for Muscle Differentiation During Embryonic Development**

Catalog Number: 7490

Alan M. Michelson (Medical School) 2029

***Genetics 369. Elucidating the Molecular Mechanisms Underlying Signal Transduction Pathways that Mediate Plant Responses to Central Growth Regulators, such as Sugars, Stress, and Phytohormones**

Catalog Number: 3010

Jen Sheen

***Genetics 370. Molecular Genetics of the Ductal Carcinoma of Insitu of the Breast**

Catalog Number: 4519

Kornelia Polyak (Medical School)

***Genetics 371. Functional Genomics and Proteomics of Signal Transduction**

Catalog Number: 2190

Marc Vidal

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). F., 3–5:30.

Topics discussed will include commitment to the lymphoid lineage, cell fate decisions in B and T cell development, the transcriptional regulation of lymphocyte development, the generation of



TH1 and TH2 cells, and apoptotic death in the immune system. We will also examine the processes of VDJ recombination, isotype switching, and somatic mutation in mechanistic detail. The two parts of this course may be taken together as a half course, or individually as quarter courses which will be offered sequentially, one on DNA rearrangement and the other on lymphocyte development.

Note: The quarter courses are offered under Immunology 300. Offered jointly with the Medical School as IM 700.0. Given in alternate years.

Prerequisite: Genetics or Introductory Immunology course at the undergraduate or graduate level.

***Immunology 201. Principles of Immunology**

Catalog Number: 8337

Hidde Ploegh (Medical School), Frederick W. Alt (Medical School) and Diane Mathis (Medical School)

Half course (fall term). Tu., Th., at 1:30. EXAM GROUP: 15, 16

As a comprehensive core course in immunology, the topics include a broad but intensive examination of the cells and molecules of the immune system. Special attention is given to the experimental approaches that led to the general principles of immunology.

Note: Background in genetics and biochemistry is strongly recommended. Offered jointly with the Medical School as IM 702.0.

Prerequisite: This course is intended for students who have had prior exposure to immunology on the undergraduate level. In the absence of such exposure, students **MUST** obtain the permission of the Course Director.

Immunology 205. Principles of Clinical Immunology

Catalog Number: 7604

Roy J. Soberman (Medical School), Richard L. Stevens (Medical School) and associates

Half course (spring term). Hours to be arranged.

Focuses on the molecular mechanism of immunologic diseases. A detailed examination of the current scientific literature and experimental approaches used to elucidate the mechanisms of these diseases is the subject of a combination of discussions and brief introductory lectures.

Note: Given in alternate years. Offered jointly with the Medical School as IM 707.0.

Prerequisite: General immunology and a strong knowledge of biochemistry is suggested.

[Immunology 217. Signal Transduction and Gene Regulation in the Immune System]

Catalog Number: 8205 Enrollment: Limited to 16.

Anjana Rao (Medical School), Hamid Band (Medical School), Michael Pazin (Medical School), and Brian Seed (Medical School)

Half course (spring term). Th., 4–6:30.

An advanced discussion of the mechanisms of signal transduction and inducible gene expression in cells of the immune system, with reference to non-immune cells types and systems. The two parts of this course are offered in sequence as individual quarter courses, the first on cell signaling and the second on transcriptional regulation. They may also be taken together as semester-long half course. The topics to be discussed include: protein modules and protein-protein interactions; antigen and coreceptor stimulatory pathways; adhesion receptors and lymphocyte homing; negative signaling and tolerance; viral subversion of the immune response;



calcium signaling; MAP kinase cascades; cell activation and cell death; cytokine signalling; NFkB; cooperative mechanism in gene transcription; histone acetylation and DNA methylation; chromatin; locus control; and new approaches to the study of immune system function in vivo. *Note:* Expected to be given in 2001–02. 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). M., 4–6:30.

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: 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

A series of reading and discussion seminars each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit. Topics include the role of intracellular and transmembrane protein phosphates in signal transduction.

Note: Designed primarily for first- and second-year Immunology graduate students. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 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). W., 3:30–6:15.

Gives students exposure to research topics in Immunology. Students prepare for the weekly seminar through readings and occasional discussion with the seminar speakers. These



discussions are facilitated by members of the Committee on Immunology.

Note: Designed primarily for first- and second-year Immunology graduate students.

***Immunology 302. Molecular Basis of Humoral Immunologic Inflammation**

Catalog Number: 1355

K. Frank Austen (Medical School) 1571

***Immunology 304. Immediate Hypersensitive Reactions**

Catalog Number: 2259

Kurt J. Bloch (Medical School) 3589

***Immunology 305. Mechanism of Delayed Hypersensitivity**

Catalog Number: 2036

John R. David 3592

***Immunology 306. Immunochemical Aspects of Immune Reactions**

Catalog Number: 1536

Stuart F. Schlossman (Medical School) 3593

***Immunology 307. Immunobiology of Transplantation**

Catalog Number: 1609

Charles B. Carpenter (Medical School) 2016

***Immunology 308. Gene Regulation in the Immune Response**

Catalog Number: 6895

Anjana Rao (Medical School) 1854

***Immunology 309. Molecular Aspects of Lymphocyte Interactions**

Catalog Number: 3778

Cox Terhorst (Medical School) 6280

***Immunology 310. Molecular and Developmental Immunology**

Catalog Number: 0217

Leslie J. Berg 2573

***Immunology 311. Defects in the Immune Response**

Catalog Number: 2738

Fred S. Rosen (Medical School) 3595

***Immunology 312. Mechanisms of T-cell Homing**

Catalog Number: 7968

Christina M. Parker (Medical School) 3024

***Immunology 314. Immunobiology of Antigen-Antibody Complexes**

Catalog Number: 8065

Peter H. Schur (Medical School) 4551



***Immunology 315. Immunoregulation**

Catalog Number: 5540

Martin E. Dorf (Medical School) 4541

***Immunology 316. Molecular Basis of Immunologic Recognition and Communication**

Catalog Number: 3192

Harvey Cantor (Medical School) 4460

***Immunology 317. Molecular Biology of Receptor Transduction in the Immune System**

Catalog Number: 0518

Brian Seed (Medical School) 7619

***Immunology 319. Molecular Biology of Immune Cell Interactions**

Catalog Number: 0293

Timothy A. Springer (Medical School) 6145

***Immunology 320. Biology of Parasitism**

Catalog Number: 2870

John R. David 3592

***Immunology 321. Studies of T-Cell Activation**

Catalog Number: 5008

Steven J. Burakoff (Medical School) 1348

***Immunology 323. Research in Molecular Immunology**

Catalog Number: 3425

Laurie H. Glimcher (Public Health) 1362

***Immunology 325. Molecular Genetics of the Immune System**

Catalog Number: 3182

Jonathan G. Seidman (Medical School) 7529

***Immunology 326. Molecular and Cellular Human Immunobiology**

Catalog Number: 6719

Ellis L. Reinherz (Medical School) 1408

***Immunology 327. Chemical Cell Biology**

Catalog Number: 0824

Stuart L. Schreiber 2166

***Immunology 328r (formerly Immunology 328). 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 (Medical School) 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 342. The Platelet Membrane Skeleton**

Catalog Number: 4154

Thomas P. Stossel (Medical School) 7734



***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 353. Topics in Reproductive Immunology**

Catalog Number: 7219

Deborah J. Anderson (Medical School) 2611

***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 358. Mechanisms of Gene Activation**

Catalog Number: 0965

Santa Jeremy Ono (Medical School) 3284

***Immunology 359. Discovery of New Pathways for Antigen Presentation of T Lymphocytes & of New Classes of Antigens that are Targeted by the Cell-mediated Immune Response**

Catalog Number: 9299

Steven Anthony Porcelli (Medical School) 2886

***Immunology 360. Focus on the Hematopoietic Stem Cell in the Context of AIDS and Cancer**

Catalog Number: 8952

David T. Scadden (Medical School) 2649

***Immunology 361. Induction and regulation of antigen-specific T cell responses**

Catalog Number: 7578

Gilles A. Benichou (Medical School) 2652

***Immunology 362. Basic Biology and Pathobiology of the Chemokine Superfamily of Cytokines**

Catalog Number: 3817

Andrew D. Luster (Medical School) 2654

***Immunology 363. Regulation of Mast Cell Activation**

Catalog Number: 6813

Howard R. Katz (Medical School) 2837

***Immunology 364. T-Cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 0972

Diane J. Mathis (Medical School) 3063

***Immunology 365. Mucosal T Cell Mediated Immunity and Tolerance**

Catalog Number: 4204

Cathryn R. Nagler-Anderson (Medical School) 1022

***Immunology 366. Molecular Regulation of T Cell Cytokine Production and T Cell Interactions**

Catalog Number: 6676

Andrew H. Lichtman (Medical School) 3523



***Immunology 367. Biology and Chemistry of Complement Problems**

Catalog Number: 8080

Anne Nicholson-Weller (Medical School) 1063

***Immunology 368. Apoptosis and Autoimmunity**

Catalog Number: 8986

Paul J. Anderson (Medical School) 1947

***Immunology 369. Mechanisms of Autoimmune Disease**

Catalog Number: 6787

Vicki R. Kelley (Medical School) 2656

***Immunology 370. Cell Cycle Checkpoints, Gene Rearrangements, DNA Repair**

Catalog Number: 1816

Gary A. Rathbun (Medical School) 3774

***Immunology 371. Cellular and Molecular Mechanisms of Eosinophil in Allergic
Inflammation**

Catalog Number: 3716

Peter F. Weller (Medical School) 2657

***Immunology 372. Mechanisms Graft Rejection: Allo and Xeno**

Catalog Number: 3207

Hugh Auchincloss (Medical School) 2661

***Immunology 373. Biology of Histocompatibility Systems; Immunology of Aging**

Catalog Number: 6317

Edmund J. Yunis (Medical School) 6036

***Immunology 374. Tumor Necrosis Factor-Alpha Gene Regulation in the
Immunopathogenesis of AIDS and TB**

Catalog Number: 4558

Anne E. Goldfeld (Medical School) 1008

***Immunology 375. Biology and Function of Immunoreceptors**

Catalog Number: 0510

Jean-Pierre Kinet (Medical School) 2663

***Immunology 376. Regulation of IgE Responses; Molecular Basis of Immunodeficiencies**

Catalog Number: 3618

Raif S. Geha (Medical School) 1795

***Immunology 377. Regulation of T Helper Cell Differentiation**

Catalog Number: 0458

Michael Grusby (Medical School) 1987



***Immunology 378. Basic Mechanisms of T cell Mediated Autoimmune Diseases**

Catalog Number: 2916

Kai Wucherpfennig (Medical School) 2481

***Immunology 379. Induction of Immunological Tolerance by Gene Therapy**

Catalog Number: 9300

John J. Iacomini (Medical School) 2643

***Immunology 380. Control of Leukocyte Trafficking and the Immune Response By Chemokines and Other Cytokines**

Catalog Number: 4872

Barrett J. Rollins (Medical School) 3775

***Immunology 381. Lymphocyte Development, Signaling, Immunoregulation**

Catalog Number: 0839

Harald Von Boehmer (Medical School) 3302

***Immunology 382. AIDS Immunopathogenesis and Immune Reconstitution**

Catalog Number: 0468

Robert P. Johnson (Medical School) 6125

***Immunology 383. Translational Approaches In Transplantation and Tumor Immunity**

Catalog Number: 4590

Lee M. Nadler (Medical School) 3773

***Immunology 399. Topics in Immunology**

Catalog Number: 2377

Hidde Ploegh (Medical School) 3143

Medical Sciences

Primarily for Graduates

***Medical Sciences 215 (formerly Physiology 102). Integrated Human Physiology**

Catalog Number: 6359

Bruce R. Zetter (Medical School) and members of the Faculty

Half course (fall term). M., through F., 8:30–12:00.

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. Course begins on December 14 and concludes with an exam on February 7. Students taking the course for credit are expected to



attend all course sessions. Permission of both the course director and the Medical School Registrar is required.

***Medical Sciences 250ab. Human Functional Anatomy**

Catalog Number: 6946 Enrollment: Limited to 48. Minimum 25; maximum 48.

Farish A. Jenkins, Jr., Lee Gehrke (Medical School), and Samuel Kennedy (Medical School)

Full course (fall term). Lectures, M., W., F., 1:30–2:30; laboratory, M., W., F., 2:30–6.

Lectures, detailed laboratory dissections, and prosections provide a thorough exploration of the gross structure and function of the human body. Fundamental principles of bioengineering are employed to promote analytical approaches to understanding the body's design. The embryology of major organ systems presented, together with certain references to phylogenetic development, as a basis for comprehending anatomical complexity. Correlation clinics stress both normal and abnormal functions of the body; guest lectures focus on current problems in organ system research and molecular aspects of development.

Note: Open to qualified graduate students with permission of the instructors. Undergraduates are ordinarily not admitted to the course, although occasional exceptions may be made for those with a clearly defined interest in anatomy other than for pre-medical preparation. The course is not open to undergraduates planning a postgraduate career in medicine. Begins September 6, 2000. Students must register with instructors before first meeting of course (495-2499). Offered jointly with the Medical School as HT 010.

Medical Sciences 265. Human Physiology: Classical and Contemporary Approaches

Catalog Number: 4308

Edmund A. Mroz, Jr. (Medical School)

Half course (spring term). Hours to be arranged.

Explores function of the human organism, through experimental findings and underlying principles of classical physiology and of cellular and molecular biology. Covers the cardiovascular, respiratory, renal, and gastrointestinal systems, and energy metabolism.

Discusses cellular and molecular basis of function while emphasizing integrated regulation via endocrine and autonomic nervous systems.

Note: Contact instructor: E-mail eam@epl.meei.harvard.edu Tel:573-4232. Offered jointly with the Medical School as MS 701.0.

Prerequisite: Cell biology or biochemistry.

Graduate Courses of Reading and Research

***Medical Sciences 300. Conduct of Science**

Catalog Number: 1815

Thomas O. Fox (Medical School) 4542

***Medical Sciences 399. Topics in Medical Sciences**

Catalog Number: 3197

Thomas O. Fox (Medical School) 4542

Subject selected by students and faculty member.

Microbiology and Molecular Genetics



All courses in Microbiology and Molecular Genetics are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

***Microbiology 200. Molecular Microbiology and Pathogenesis**

Catalog Number: 7773

Catherine A. Lee (Medical School), R. John Collier (Medical School), Dan G. Fraenkel (Medical School), and Roberto G. Kolter (Medical School)

Half course (spring term). M., W., F., 9–10:30. Pre-class meeting 1/30/01.

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.

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Catalog Number: 2480 Enrollment: 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. Limited to 12.

Roberto G. Kolter (Medical School) and associates

Half course (spring term). Tu., 1–4.

The course provides an in depth coverage of bacterial systems displaying complex developmental processes and intercellular communication. A major aim of the course is to give students experience in researching topics and preparing formal lecture presentations. Lectures are accompanied by critical discussions of key papers. The specific topics vary from year to year and are selected based on the recent literature and student interest.

Note: Given in alternate years. A minimum of 8 interested students are required to offer the course, open to graduate and advanced undergraduate students. Contact the instructor at 432-1776. Offered jointly with the Medical School as MG 727.0.

***Microbiology 212. Bacterial Metabolism**

Catalog Number: 0598

Dan G. Fraenkel (Medical School)

Half course (fall term). Th., 2–5.

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), Roberto G. Kolter (Medical School), Louis Guenin (Medical School) and Sheila S. Jasanoff (Kennedy School)**Half course (spring term). Th., 1–4.*

A series of presentations and discussions on several of the following: philosophy, history, and sociology of science, science and journalism, genetics and the law, fraud in science, social and ethical issues in genetic screening, genes and human behavior, gender issues in biology, and the Human Genome Project. A set of readings is prepared for each session that includes differing viewpoints on the topic at hand.

Note: Expected to be given in 2001–02. 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.

*Anindya Dutta (Medical School), Stephen C. Blacklow (Medical School), Elaine A. Elion (Medical School), Grace Gill (Medical School), Andrius Kazlauskas (Medical School), Andrea I. McClatchey (Medical School), Karl Munger (Medical School), Jeffrey D. Parvin (Medical School), David Pellman (Medical School), Piotr Sicinski (Medical School), and Sheila Thomas (Medical School)**Half course (fall term). Tu., Th., 6–9 p.m.*

Critical analysis of original research articles in an intensive small group discussion format. Papers will be analyzed in terms of background, hypothesis, appropriate use of experimental methods, and objective interpretation of results. Covers a wide range of papers in biochemistry, genetics, microbiology, and cell and developmental biology.

Graduate Courses of Reading and Research

Primarily designed for work on a thesis problem, carried out under the supervision of the following faculty members, whose special research interests are listed. Courses in parasitology are listed in the catalog of the Harvard School of Public Health (see Pathology).

***Microbiology 300. Advanced Topics in Microbiology and Molecular Genetics**

Catalog Number: 2304

Michael Starnbach (Medical School) 1816

A series of reading and discussion seminars, each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Microbiology 303. Transcription Regulation During Mammalian Embryogenesis**

Catalog Number: 4112

Mary R. Loeken (Medical School) 3151



***Microbiology 305. Molecular Determinants of Intracellular Bacterial Pathogenesis**

Catalog Number: 3190

Darren E. Higgins (Medical School) 2963

***Microbiology 306. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 3185

Ronald C. Desrosiers (Medical School) 1874

***Microbiology 307. Growth Factors and Signal Transduction**

Catalog Number: 5726

Charles D. Stiles (Medical School) 4828

***Microbiology 308. Infectious Disease & Basic Microbiological Mechanisms**

Catalog Number: 4217

Dennis L. Kasper (Medical School) 4815

***Microbiology 309. Microbial Metabolism**

Catalog Number: 5086

Dan G. Fraenkel (Medical School) 1169

***Microbiology 311. Bacterial Genetics**

Catalog Number: 7402

Jonathan R. Beckwith (Medical School) 1173

***Microbiology 313. T-Lymphocyte Responses to Bacterial Pathogens**

Catalog Number: 4959

Michael Starnbach (Medical School) 1816

***Microbiology 314. Cell Interactions in Vertebrate Development**

Catalog Number: 0862

Sergei Y. Sokol (Medical School) 3530

***Microbiology 315. Biochemical Mechanisms Controlling Cell Growth and Differentiation**

Catalog Number: 3273

Michael E. Greenberg (Medical School) 1400

***Microbiology 317. Molecular Mechanisms in Pathogenesis**

Catalog Number: 8985

John J. Mekalanos (Medical School) 7315

***Microbiology 318. RNA Structure, RNA-protein Interactions, and Translation-level Gene Regulation in RNA Viruses**

Catalog Number: 1205

Lee Gehrke (Medical School) 8036



***Microbiology 319. Regulation of Gene Expression and Evolution of Metabolic Pathways in Bacteria**

Catalog Number: 1168

Edmund C. C. Lin (Medical School) 1183

***Microbiology 320. Molecular Biology of Herpes Viruses**

Catalog Number: 3967

David M. Knipe (Medical School) 7089

***Microbiology 321. Molecular Biology of Bacterial Interactions**

Catalog Number: 2903

Roberto G. Kolter (Medical School) 7727

***Microbiology 322. Biochemistry of Bacterial Toxins**

Catalog Number: 4970

R. John Collier (Medical School) 7972

***Microbiology 323. Molecular Genetic Analysis of Virulence Factors in Gram-Negative Pathogens and Construction of Recombinant Vaccines**

Catalog Number: 4931

Stephen Calderwood (Medical School) 3520

***Microbiology 324. Bacterial Pathogenesis, Vaccine Development & Host Epithelial Cell Responses to Bacterial Infection**

Catalog Number: 3472

Gerald Pier (Medical School) 2853

***Microbiology 326. Protein-Protein Interactions in Eukaryotic Signal Transduction**

Catalog Number: 1582

Bruce J. Mayer (Medical School) 1638

***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 (Medical School, 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 Nibert

Neurobiology

Primarily for Graduates

Neurobiology 200. Introduction to Neurobiology

Catalog Number: 6062 Enrollment: Limited to 45. Limited to 45.

Richard H. Masland (Medical School), John A. Assad (Medical School), David P. Corey (Medical School), Bradley T. Hyman (Medical School), David N. Louis (Medical School), and guest lecturers

Half course (fall term). M., W., F., 9–12.

Spans modern neuroscience from molecular neurobiology to perception and cognition, including the following major topics: anatomy and development of the brain; cell biology of neurons and glia; ion channels and electrical signaling; synaptic transmission, integration, and chemical systems of the brain; sensory systems; motor systems; higher brain function (memory, language, affective disorders).

Note: Offered jointly with the Medical School as HT 130. Follows the Medical School calendar. Three hours of lecture and six hours of lecture/conference weekly.

Neurobiology 204. Neurophysiology of Central Circuits

Catalog Number: 5603

R. Clay Reid (Medical School), John A. Assad (Medical School), Stephen C. Cannon (Medical



School), and Associates

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 205. Neurobiology of Developmental Disabilities]

Catalog Number: 4236 Enrollment: Minimum of 10.

Ursula C. Dräger (Medical School), Gerald Frank Cox (Medical School), and Peter McCaffery (Medical School)

Half course (spring term). Hours to be arranged.

In-depth study of the neurochemical basis of developmental disabilities, especially those leading to mental retardation. Emphasis on cell and molecular biological processes underlying abnormalities associated with brain structure and function. Topics include neuroanatomical abnormalities, molecular genetics of developmental disorders, teratology, enzymopathies, demyelinating disorders, nutritional effects on brain, neuroendocrine control mechanisms, and behavior.

Note: Expected to be given in 2001–02. Given in alternate years. Offered jointly with the Medical School as NB 717.0.

Prerequisite: Introductory neurobiology and biochemistry.

[Neurobiology 206. Neuropharmacology]

Catalog Number: 1733

Jonathan B. Cohen (Medical School), Kathleen M. Buckley (Medical School), and Morgan H. Sheng (Medical School)

Half course (spring term). Tu., Th., 9:30–11.

Introduction to the pharmacology of synaptic function, receptor recognition, and regulation. Topics include the structure and function of neurotransmitter receptors and their intracellular signalling pathways, and the mechanisms involved in the metabolism, storage, and release of neurotransmitters. Examples are chosen from monoamine, amino acid, and peptidergic systems to illustrate the molecular basis of neuropharmacology.

Note: Expected to be given in 2001–02. 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. Limited to 30.

Rosalind A. Segal (Medical School), Stuart A. Tobet (Medical School), David L. Van Vactor (Medical School), and Christopher A. Walsh (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: Given in alternate years. Offered jointly with the Medical School as NB 720.0.

Prerequisite: *Neurobiology 300 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). Hours to be arranged.

Designed for advanced undergraduate and graduate students interested in diseases and disorders of the nervous system. A major disease or disorder is presented each week. Monday sessions involve patient presentations and “core” lectures describing clinical aspects of a disease or disorder, the pathology (where relevant), and the basic science information needed to help in understanding the disease or disorder. On Wednesdays, students present material from original literature sources, and there is general discussion.

Note: Expected to be given in 2001–02. Given in alternate years. Offered jointly with the Medical School as NB 713.0. Introductory neurobiology, biochemistry, and molecular biology are recommended.

***Neurobiology 220. Cellular Neurophysiology**

Catalog Number: 2141

Stephen C. Cannon (Medical School)

Half course (fall term). Tu., Th., 9:30–12, and weekly discussion section. EXAM GROUP: 11, 12, 13

Introduction to the physiology of neurons. Topics include structure and function of ion channels, generation and propagation of action potentials, 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. First Meeting 9/14 at 9:30 am.

Prerequisite: Introductory neurobiology.

***Neurobiology 221. Molecular Neurobiology**

Catalog Number: 0443

Charles J. Weitz (Medical School), Linda D. Buck (Medical School), and Michael E. Greenberg (Medical School)

Half course (spring term). Tu., Th., 9:30–12.

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 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Neurobiology 301. Properties of Synapses**

Catalog Number: 3194

Kathleen M. Buckley (Medical School) 2015

***Neurobiology 302. Studies on Cell Interaction**

Catalog Number: 4267

Edwin J. Furshpan (Medical School) 2810

***Neurobiology 303. Physiology of Single Neurons**

Catalog Number: 3136

David D. Potter (Medical School) 2808

***Neurobiology 304. Chemistry of Synapses**

Catalog Number: 5467

Edward A. Kravitz (Medical School) 2063

***Neurobiology 306. Central Nervous System Physiology**

Catalog Number: 1112

David H. Hubel (Medical School) 2884

***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 310. Molecular Mechanisms of Synaptic Plasticity**

Catalog Number: 2272

Morgan H. Sheng (Medical School) 2085



***Neurobiology 311. Circadian Biology**

Catalog Number: 4024

Steven M. Reppert (Medical School) 2627

***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 (spring term only)

***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 332. Ligand-Gated Ion Channels: Structure and Function**

Catalog Number: 1623

Jonathan B. Cohen (Medical School) 1120

***Neurobiology 333. Intercellular Communication**

Catalog Number: 2484

David L. Paul (Medical School) 2318

***Neurobiology 334. Molecular Biology of Olfaction**

Catalog Number: 4986

Linda D. Buck (Medical School) 1128

***Neurobiology 336. Dyslexia Neuroanatomical Laboratory**

Catalog Number: 1645

Gordon Sherman (Medical School) 1171

***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 341. Molecular Physiology of Neurologic Disease**

Catalog Number: 5441

Stephen C. Cannon (Medical School) 1792



***Neurobiology 342. Neurophysiology of Visual Cortex and LGN**

Catalog Number: 2778

R. Clay Reid (Medical School) 2957

***Neurobiology 343. Molecular Physiology of Ion Channels**

Catalog Number: 1887

Gary I. Yellen (Medical School) 3268

***Neurobiology 344. Neuropharmacology and Functional Anatomy of Basal Ganglia**

Catalog Number: 7327

Anne B. Young (Medical School) 2896

***Neurobiology 345. Molecular Basis of Neuron Glia Interactions**

Catalog Number: 4918

Gabriel Corfas (Medical School) 2907

***Neurobiology 346. Visual Processing in Primates**

Catalog Number: 0184

John A. Assad (Medical School) 2985

***Neurobiology 347. Alzheimer's Disease Research**

Catalog Number: 6606

Bradley T. Hyman (Medical School) 2952

***Neurobiology 348. Neural Activity and Visual System Development**

Catalog Number: 3224

Carla J. Shatz (Medical School) 3796

***Neurobiology 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 353. G Proteins, Ion Channels, Calcium**

Catalog Number: 3689

David E. Clapham (Medical School) 2987

***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 363. Neural Development and Plasticity**

Catalog Number: 7089

Larry I. Benowitz (Medical School) 3150

***Neurobiology 364. Chemical Neuroanatomy of Autonomic Systems**

Catalog Number: 1523

Clifford B. Saper (Medical School) 3394

***Neurobiology 365. Cellular and Molecular Neuroscience**

Catalog Number: 4353

Stuart A. Lipton (Medical School) 1346

***Neurobiology 366. Neurobiology of the Retina**

Catalog Number: 7391

Richard H. Masland (Medical School) 4923

***Neurobiology 367. Neo-Cortical Development and Transplantation**

Catalog Number: 4252

Jeffrey D. Macklis (Medical School) 3396

***Neurobiology 368. The Neurobiology of Alzheimer's Disease and Related Neurodegenerative Disorders**

Catalog Number: 5054

Bruce Yankner (Medical School) 1557

***Neurobiology 369. Visual Processing**

Catalog Number: 1828

Markus Meister 3007

***Neurobiology 371. Understanding the Mechanisms that Control the Generation and Differentiation of Neurons**

Catalog Number: 9968

Stefan Thor (Medical School) 2694

***Neurobiology 372. Neurotransmitter Control of Ion Channels**

Catalog Number: 7104

Bruce P. Bean (Medical School) 1148



***Neurobiology 373. Developmental Studies of the Murine Trigeminal**

Catalog Number: 7485

Qiufu Ma (Medical School) 3034

***Neurobiology 374. Investigation of the Molecular Basis of Alzheimer's Disease & Parkinson's Disease Using Genetic Approaches in Mice**

Catalog Number: 9022

Jie Shen (Medical School) 3059

***Neurobiology 375. Mechanisms of Synaptic Transmission & Plasticity**

Catalog Number: 0790

Venkatesh N. Murthy 2424

***Neurobiology 376. Neurogenetic and Biosophysical Analysis of Synaptic Transmission, Exocytosis and K⁺ Channel Function**

Catalog Number: 2911

Thomas L. Schwarz (Medical School) 3923

Pathology

Eligible students interested in parasitology and tropical medicine should consult the courses offered by the Department of Tropical Public Health as listed in the catalog of the Harvard School of Public Health. For specific information regarding prerequisites and advisability, contact the office of the Department of Tropical Public Health, Harvard School of Public Health.

Primarily for Graduates

***Pathology 205. Molecular Biology of the Auditory System**

Catalog Number: 0211

Cynthia C. Morton (Medical School) and William F. Sewell (Medical School)

Half course (fall term). Tu., Th., 4:30–6.

This critical reading and discussion course will examine molecular genetic and molecular biological approaches to understanding auditory function and dysfunction. This course will emphasize the functional implications of genetic disorders of hearing in which both the gene and the molecular defect have been identified or hypothesized. It will also cover molecular biological approaches to understanding and intervening in auditory dysfunction. Discussions will be led by students. The first half of the course will focus on human genetics.

Note: Given in alternate years. Offered jointly with the Medical School as HT 730.

Prerequisite: Introductory courses in neurobiology and molecular biology are recommended.

[*Pathology 209. Tumor Pathophysiology and Transport Phenomenon]

Catalog Number: 5934

Rakesh K. Jain (Medical School)

Half course (fall term). M., 5:30–7:30 p.m.

Tumor pathophysiology plays a central role in the growth, metastasis, detection, and treatment of



solid tumors. Principles of transport phenomena are applied to develop a quantitative understanding of angiogenesis (formation of new blood vessels), blood flow and microcirculation, metabolism and microenvironment, transport and binding of small and large molecules, movement of cancer and immune cells, metastatic process, radiotherapy, chemotherapy, immunotherapy, hyperthermia, and photodynamic therapy of solid tumors.

Note: Expected to be given in 2001–02. Given in alternate years. Offered jointly with the Medical School as PA 712.0.

Graduate Courses of Reading and Research

Students are usually not eligible to enroll in one of these courses until they have completed their formal required course work. Research courses are primarily designed for research work on a student's thesis problem, carried out under the direct supervision of one of the following faculty members, whose special research interests are listed.

***Pathology 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 2245

Patricia A. D'Amore (Medical School) 1168

Topics cover areas of interest in cell, molecular, and developmental biology such as signal integration in the cell, biology of growth factors, and cell adhesion molecules. Different topics are covered each term.

Note: A series of reading and discussion seminars, each running for a half semester (seven weeks). Two seminars, which can be taken in different semesters, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Pathology 302. Molecular Mechanisms of Leukocyte Trafficking**

Catalog Number: 2273

Ulrich H. Von Andrian-Werburg (Medical School) 2090

***Pathology 303. Interactions of Viral Oncoproteins and Cell Regulatory Molecules**

Catalog Number: 1644

Peter M. Howley (Medical School) 1076

***Pathology 304. Viral Carcinogenesis**

Catalog Number: 1283

Thomas L. Benjamin (Medical School) 4115

***Pathology 305. Oncology: Immunogenetics**

Catalog Number: 0277

Jeffrey L. Sklar (Medical School) 3528

***Pathology 306. Growth Regulation of Vascular Cells**

Catalog Number: 0220

Morris J. Karnovsky (Medical School) 2065



***Pathology 307. Polarity and Trafficking of Membrane Proteins in Epithelial Cells**

Catalog Number: 0874

Dennis Brown (Medical School) 1582

***Pathology 308. Genetic Models of Human Disease**

Catalog Number: 1918

Michael C. Carroll (Medical School) 2050

***Pathology 309. Characterization of Inflammatory Cytokines**

Catalog Number: 1076

Martin E. Dorf (Medical School) 4541

***Pathology 310. Cellular and Molecular Regulation of Vascular Development**

Catalog Number: 2653

Patricia A. D'Amore (Medical School) 1168

***Pathology 311. Multiprotein Complexes in Transcriptional Regulation**

Catalog Number: 5846

Grace Gill (Medical School) 1811

***Pathology 312. Research in Molecular Cytogenetics**

Catalog Number: 7347

Cynthia C. Morton (Medical School) 2194

***Pathology 313. Research in Integrin Signaling, Cytoskeleton, and Control of Angiogenesis**

Catalog Number: 4139

Donald E. Ingber (Medical School) 2832

***Pathology 314. Molecular Biology of Immune Cell Interactions**

Catalog Number: 1156

Timothy A. Springer (Medical School) 6145

***Pathology 315. Mechanisms for Cell Adhesion and Migration**

Catalog Number: 1212

Martin E. Hemler (Medical School) 2868

***Pathology 316. Control of Gene Expression in Tumorigenesis and Differentiation**

Catalog Number: 3892

Thomas M. Roberts (Medical School) 7729

***Pathology 317. Molecular Basis for Cancer Phenotypes**

Catalog Number: 4551

Lan Bo Chen (Medical School) 8057



***Pathology 318. Molecular Aspects of Immunoregulation and T-Cell Activation**

Catalog Number: 0126

Christopher E. Rudd (Medical School) 2310

***Pathology 319. Gene Regulation in the Immune Response**

Catalog Number: 1859

Anjana Rao (Medical School) 1854

***Pathology 320. Ultrastructural Cell Biology of Basophil, Mast Cells, Eosinophils, Neutrophils, and Endothelial Cells in Health and Disease**

Catalog Number: 4144

Ann M. Dvorak (Medical School) 1583

***Pathology 321. Signaling Mechanisms Regulating Cell Survival & Differentiation in the Nervous System**

Catalog Number: 8032

Azad Bonni (Medical School) 2923

***Pathology 322. Tumor Suppressor Proteins and Cell Cycle Control**

Catalog Number: 5815

Philip W. Hinds (Medical School) 1584

***Pathology 323. Viral Oncoproteins as Probes to Study the Regulation of Cell Growth and Differentiation**

Catalog Number: 6286

Karl Münger (Medical School) 1586

***Pathology 324. Regulation of T-cell Mediated Immune Response**

Catalog Number: 1501

Arlene H. Sharpe (Medical School) 1588

***Pathology 325. Transcriptional Control in Differentiation/Development and Tumorigenesis**

Catalog Number: 1509

Yang Shi (Medical School) 3169

***Pathology 326. Regulation of Mammalian Neurogenesis by the cdk5/p35 Kinase**

Catalog Number: 1563

Li-Huei Tsai (Medical School) 1639

***Pathology 327. Genetic Models of Leukemogenesis**

Catalog Number: 5534

A. Thomas Look (Medical School) 3771



***Pathology 330. Transcriptional Regulations and Cellular Differentiation**

Catalog Number: 5521

T. Keith Blackwell (Medical School) 1826

***Pathology 331. Molecular Biology of Endothelium: Transcriptional Regulation of Endothelial-Leukocyte Adhesion Molecules**

Catalog Number: 2609

Tucker Collins (Medical School) 1828

***Pathology 332. Mechanisms Used by Small DNA Tumor Viruses to Disrupt Controls of Cellular Proliferation**

Catalog Number: 0445

Nicholas J. Dyson (Medical School) 1829

***Pathology 334. Characterization of Tumor Suppressor Genes Implicated in Wilms Tumor and Breast Cancer**

Catalog Number: 5744

Daniel A. Haber (Medical School) 1832

***Pathology 336. Epithelial Cell Differentiation and Transformation**

Catalog Number: 3171

Towia A. Libermann (Medical School) 1833

***Pathology 337. Biochemistry of Cell Adhesion**

Catalog Number: 0555

Arthur M. Mercurio (Medical School) 2621

***Pathology 338. Genetic and Biochemical Analysis of GTPase-mediated Signal Transduction Pathways**

Catalog Number: 2647

Jeffrey E. Settleman (Medical School) 1820

***Pathology 339. Cell-Cell and Cell-Matrix Adhesion; Regulation of Apoptosis**

Catalog Number: 0205

Ivan Stamenkovic (Medical School) 1834

***Pathology 341. Phagocyte Development and Gene Regulation**

Catalog Number: 5036

Daniel G. Tenen (Medical School) 1172

***Pathology 342. Molecular Regulation of Angiogenesis**

Catalog Number: 2992

Luisa Iruela-Arispe (Medical School) 2076



***Pathology 343. Cell Adhesion in Vascular Biology**

Catalog Number: 4822

Denisa D. Wagner (Medical School) 2092

***Pathology 344. Transcription Factors in Lymphocyte Commitment and Differentiation**

Catalog Number: 5321

Katia Georgopoulos (Medical School) 2070

***Pathology 345. Vascular Interstitial Biology of Solid Tumors**

Catalog Number: 5633

Rakesh K. Jain (Medical School) 2079

***Pathology 346. Biochemistry of Gene Expression**

Catalog Number: 5912

Jeffrey D. Parvin (Medical School) 2084

***Pathology 347. Genetic, Molecular, and Cellular Analysis of Nervous System Function and Development**

Catalog Number: 7591

Anne C. Hart (Medical School) 1010

Pathology 348. Cell-cycle Regulation and Checkpoint Control During Animal Development, Using *C. elegans

Catalog Number: 7924

Sander Van Den Heuvel (Medical School) 2256

***Pathology 349. Mammalian Chromatin Structure and Gene Expression**

Catalog Number: 9199

William C. Forrester (Medical School) 1859

***Pathology 350. Topics in Vascular Biology**

Catalog Number: 0289

Michael A. Gimbrone (Medical School) 1896

***Pathology 351. Cytoskeleton in Cancer Development and Progression**

Catalog Number: 5656

Andrea I. McClatchey (Medical School) 2204

***Pathology 353. Cell Cycle Proteins in Development and Cancer**

Catalog Number: 1475

Piotr Sicinski (Medical School) 2245

***Pathology 354. Biochemistry of Liquid-Receptor Interactions**

Catalog Number: 9969

Stephen C. Blacklow (Medical School) 1462



***Pathology 355. DNA Replication in Normal and Cancer Cells**

Catalog Number: 7108

Anindya Dutta (Medical School) 2023

***Pathology 356. Biochemical and Genetic Analysis of Chromatin and Transcription**

Catalog Number: 8837

Michael Pazin (Medical School) 2646

***Pathology 357. Regulation of Mammalian Cell Death**

Catalog Number: 2139

Stanley J. Korsmeyer (Medical School) 2839

***Pathology 358. Regulation and Coordination of Cell Interactions**

Catalog Number: 0527

Michel A. Streuli (Medical School) 2989

***Pathology 359. Signal Transduction Pathways Involved in Cellular Proliferation and Apoptosis.**

Catalog Number: 2841

Roya Khosravi-Far (Medical School) 2704

***Pathology 360. Biology and Genetics of Human Cancers.**

Catalog Number: 0188

Matthew L. Meyerson (Medical School) 2421

***Pathology 361 (formerly *Cell Biology 374). The Molecular Causes of Aging**

Catalog Number: 6096

David A. Sinclair (Medical School) 2610

Pharmacology

For courses pertaining to Pharmacology see listings under the Department of Biological Chemistry and Molecular Pharmacology.

Virology

Primarily for Graduates

Virology 200. Animal Virology

Catalog Number: 1190

James M. Cunningham (Medical School) and Dana Gabuzda (Medical School)

Half course (spring term). M., 1:30-3 and Tu or Th., 12:30-4.

Topics that will be covered in lectures include the replication strategies of RNA and DNA viruses, the principles of viral structure, and the cell biology of viral replication with special emphasis on viral entry, viral assembly, viral translational control mechanisms, and viral



transformation. Other topics that will be covered include the mechanisms responsible for generating and maintaining diversity in RNA viral populations, viral immunology and pathogenesis, plant viruses, viroids, prions, antiviral chemotherapy, and the design and use of viral vectors. The lectures will be integrated with a weekly seminar series and with a discussion group in which students will critically evaluate one or more key papers in virology.

Note: Offered jointly with the Medical School as MG 723.0.

Virology 201. Animal Virology: Seminar

Catalog Number: 6025

Joseph G. Sodroski (Medical School, Public Health), Heinrich G.J. Gottlinger (Medical School), Jae Ung Jung (Medical School), Frederick C. Wang (Medical School), and Richard Owens Snyder (Medical School)

Half course (fall term). W., 1:30–4:30.

Examines aspects of biological and molecular mechanisms by which animal viruses replicate in or interact with host cells and organisms. Topics chosen from viral entry into host cells, transcription of viral genes, replication of viral nucleic acids, transformation of cells, virus assembly, virus genetics, viral vectors, viral pathogenesis, antiviral agents, and host immune response.

Note: Offered jointly with the Medical School as MG 724.0.

Prerequisite: General background in biochemistry and virology.

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 303. Enzymology of DNA Replication**

Catalog Number: 6716

Charles C. Richardson (Medical School) 2479

***Virology 304. Molecular Mechanisms by Which Kaposi's Sarcoma-Associated Herpes Virus Mediates Tumor Genesis**

Catalog Number: 8182

Kenneth M. Kaye (Medical School) 3064

***Virology 307. Genetics and Biochemistry of Prokaryotic Transposable Elements and Yeast Meiotic Chromosome Metabolism**

Catalog Number: 6097

Nancy Kleckner 4697



***Virology 308. Molecular Genetics of Herpes Virus**

Catalog Number: 3000

Donald M. Coen (Medical School) 7617

***Virology 309. Human Oncogenic Viruses**

Catalog Number: 4011

Jack L. Strominger 1193

***Virology 310. Cellular Transformation by SV40**

Catalog Number: 0221

James A. DeCaprio (Medical School) 1296

***Virology 311. Molecular Biology of Epstein-Barr Infection**

Catalog Number: 0513

Frederick C. Wang (Medical School) 1297

***Virology 312. Molecular Biology of Epstein-Barr Virus Infection and Transformation of B-Lymphocytes**

Catalog Number: 3483

Elliott D. Kieff (Medical School) 1858

***Virology 313. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 2528

Ronald C. Desrosiers (Medical School) 1874

***Virology 315. Mechanisms of Transcriptional Repression in Eukaryotic Cells**

Catalog Number: 0462

Yang Shi (Medical School) 3169

***Virology 316. Assembly of Human Immunodeficiency Virus Virions**

Catalog Number: 6353

Heinrich G.J. Gottlinger (Medical School) 1813

***Virology 317. Virology and Immunology of Human Retroviruses**

Catalog Number: 0954

Myron E. Essex (Public Health) 2499

***Virology 318. Structural Molecular Biology**

Catalog Number: 9250

Don C. Wiley 3598 (on leave 2000-01)

***Virology 319. Functional Analysis of Tumor Suppression Genes**

Catalog Number: 5817

David M. Livingston (Medical School) 4872



***Virology 320. Pathogenesis of Human Retroviruses**

Catalog Number: 1532

Joseph G. Sodroski (Public Health) 1712

***Virology 321. Retroviral DNA Integration**

Catalog Number: 6857

Alan M. Engelman (Medical School) 2196

***Virology 322. HIV Molecular Biology and Pathogenesis**

Catalog Number: 9023

Dana Gabuzda (Medical School) 1581

***Virology 323. Immunobiology of the Epstein-Barr Virus Receptor; Pathogenesis of EBV and B-cell Tumors.**

Catalog Number: 0778

Joyce D. Fingerroth (Medical School) 2707

***Virology 324. Leukemogenic Retroviruses**

Catalog Number: 5263

James M. Cunningham (Medical School) 2346

***Virology 325. Retroviral Pathogenesis; Host-virus Interactions including Virus-induced Perturbation of the Developing Immune System; the Nature of Protective Anti-retroviral Immune**

Catalog Number: 8029

Ruth M. Ruprecht (Medical School) 2716

***Virology 326. Pathogenesis and Treatment of Human Retrovirus and Herpesvirus Infection.**

Catalog Number: 6440

Martin S. Hirsch 2876

***Virology 327. Pathogenesis of Simian AIDS**

Catalog Number: 4138

Andrew A. Lackner (Medical School) 3797

***Virology 328. Humoral Response to Retroviral Infections in Humans; Identification of Coding Sequence of Human Retroviruses and their Gene Products.**

Catalog Number: 2513

Tun-Hou Lee (Medical School) 2769

***Virology 329. Cellular Immunology of Persistent Human Virus Infections**

Catalog Number: 5417

Bruce Walker (Medical School) 2847



***Virology 330. Advanced Topics in Virology**

Catalog Number: 5966

Alan M. Engelman (Medical School) 2196

A series of reading and discussion seminars, each running for a half semester (7 weeks). Two seminars, which can be taken in different semesters, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Virology 331. Hepatitis C and Related Viruses**

Catalog Number: 8965

Lee M. Kaplan (Medical School) 2490

Half course (spring term). .

Medieval Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Medieval Studies

Michael McCormick, Professor of History (*Chair*)

Thomas N. Bisson, Henry Charles Lea Professor of Medieval History

Daniel G. Donoghue, Professor of English and American Literature and Language

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology

Patrick K. Ford, Margaret Brooks Robinson Professor of Celtic Languages and Literatures

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art

Thomas Forrest Kelly, Harvard College Professor and Professor of Music (*on leave spring term*)

Beverly Mayne Kienzle, Professor of the Practice of Latin and Roman Languages (*Divinity School*) (*on leave spring term*)

Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History (*on leave 2000-01*)

Francisco Márquez, Arthur Kingsley Porter Research Professor of Romance Languages and Literatures

Roy Mottahedeh, Gurney Professor of History (*on leave fall term*)

John E. Murdoch, Professor of the History of Science

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, Professor of Architectural History (*Design School*)



R. J. Tarrant, Harvard College Professor and Pope Professor of the Latin Language and Literature

Alfred Thomas, John L. Loeb Associate Professor of the Humanities (*on leave fall term*)

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin and Professor of Comparative Literature

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 Ph.D. After a year, it is recommended that the student contact the chair of the Committee on Medieval Studies for guidance as to the alternatives available in medieval studies. With the assistance of the Committee on Medieval Studies, the student may petition the Dean of the Graduate School for permission to work under the guidance of a specially appointed Ad Hoc Committee in a specific area of Medieval Studies. If this petition is approved, the Ad Hoc Committee will supervise the graduate student's program through the completion of the doctorate. Specific questions concerning Medieval Studies on either the undergraduate or the graduate level and requests for the pamphlet on Medieval Studies and the annual list of courses on medieval topics should be addressed to the Chairman of the Committee, Robinson Hall 202. For more information and to receive the MSC's email on its frequent activities, contact medieval@fas.harvard.edu (and view its website at www.fas.harvard.edu/~medieval).

For Undergraduates and Graduates

[Medieval Studies 101. The Auxiliary Disciplines of Medieval History: Proseminar]

Catalog Number: 3759

Michael McCormick

Half course (fall term). Hours to be arranged.

Familiarizes new scholars in art history, history, literature, and music with the research tools, techniques, and concepts required for advanced study of medieval evidence. "Medieval" ranges from Diocletian to the Renaissance, focusing on the Latin West but not neglecting Byzantium. Topics include general heuristics, hagiography, late and medieval Latin philology, late antique



studies, numismatics, diplomatic, codicology, and an initiation to Latin paleography, from the 6th to the 17th century.

Note: Expected to be given in 2001–02.

Medieval Studies 102. Intermediate Medieval Latin Palaeography and Manuscript Culture

Catalog Number: 7124 Enrollment: Limited to 12.

Beverly Mayne Kienzle (Divinity School) and William P. Stoneman

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16, 17

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.

Prerequisite: A 100-level Latin course or the equivalent or instructor's permission.

[Medieval Studies 103. Research Methods in Late Medieval and Renaissance Studies]

Catalog Number: 4215

James Hankins

Half course (spring term). Hours to be arranged.

Introduction to manuscript research, paleography, codicology, and source criticism.

Note: Expected to be given in 2001–02.

Medieval Studies 105. Production of Manuscripts and Printed Books Before 1600

Catalog Number: 3251

Roger E. Stoddard and assistant

Half course (spring 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). Hours to be arranged.

A survey of the ideas and events that shaped the structure of English law and governance from the Anglo-Saxon invasions to the Reformation Parliament. Topics include the formation of the kingdom of England, the emergence of institutions of royal governance, the relations between church and state, the development of Parliament, and the various institutional reactions to political conflict and social change.

Note: Expected to be given in 2001–02. Normally alternates with History 1133. Offered concurrently, but with a separate section at the Law School.

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

Catalog Number: 4410

Charles Donahue, Jr. (Law School)

Half course (spring term). Hours to be arranged.



A survey of the main outlines of continental European 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: the “barbarian law codes” (6th–10th centuries), the revival of the academic study of Roman and canon law (11th–13th centuries), the customary law (13th–16th centuries), the schools of academic law (14th–17th centuries: the “commentators,” the “humanists,” the “natural law school”), the tentative moves toward codification (13th–17th centuries). In each period an effort is made to relate the types of law produced to the social, political, and religious history of the period.

Note: Expected to be given in 2002–03.

Cross-listed Courses

[Ancient Near East 121. History of the Study of the Hebrew Bible: From the Renaissance to the Present: Seminar]

[Arabic 245r. Classical Arabic Literature: Seminar]

Arabic 248r. Medieval Arabic Writings on Grammar and Literary Theory: Seminar

[Celtic 114. Early Irish Historical Tales]

Celtic 115. Kingship in Pre-Norman Ireland

[Celtic 138r. The Mabinogi]

[Celtic 150. Celtic Paganism]

Celtic 184. Early Irish Literature

[Celtic 200. Introduction to Old Irish]

[Celtic 201. Continuing Old Irish]

[Celtic 204r. Readings in Early Irish Poetry]

Celtic 205r. Readings in Early Irish Prose

[Celtic 208. Early Irish Society]

Celtic 225a. Introduction to Middle Welsh

Celtic 225b. Continuing Middle Welsh

[Celtic 226r. Readings in Middle Welsh]

[Celtic 227. Welsh Bardic Poetry: Seminar]

[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 90cl. Comic Literature in the Middle Ages**

***English 90e. Chaucer's *Troilus and Criseyde* and Other Early Poems**

English 101. The History and Structure of the English Language

English 102d. Anglo-Saxon Language and Culture: Literature from the Time of King Alfred

English 115b. Chaucer: *The Canterbury Tales*

English 116. Women and Medieval Literature

[*English 200b. *Beowulf*]



***English 296. Descriptive and Analytical Bibliography: Seminar**
***English 300hf. Old and Middle English: Doctoral Conference**
[*Folklore and Mythology 103. Oral Literature]
French 70a. Introduction to French Literature I: The Beginnings of Literary Space
French 100. History of the French Language
French 102. Introduction to Medieval Literature and Old French
[French 109. Representations of Death and Mourning in French Medieval Literature]
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 165. Maimonides' *Book of Knowledge* and its Medieval Critics]
[Hebrew 168. Medieval Hebrew Poetry]
[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-11. The Crusades]
Historical Study B-13. Charlemagne and the Birth of Medieval Civilization
[Historical Study B-19. The Renaissance in Florence]
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 1136. Romanesque Southern France (800-1250)]
[History 1141. Medieval Thought: Conference Course]
History 1150. The Jews in Muslim and Christian Spain
[History 1158. The Mediterranean in the Late Middle Ages, 1204–1500: Conference Course]
History 1166. Family, Sex, and Marriage in Western Europe 1300-1700: Conference Course
[History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Conference Course]
[History 1353 (formerly History 1251 and 1551). Medieval and Early Modern Russia]
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 2101. Medieval Societies and Cultures: Proseminar
History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean
[*History 2124. Medieval History: Seminar]
[History 2126. Medieval Law]
[History 2271r. Topics in Byzantine History: Seminar]
[*History 2353 (formerly History 2251). Topics in Pre-Petrine History: Seminar]
[History 2375. Popular Culture in Renaissance and Reformation Europe (1350–1650)]
***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 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600]
History of Art and Architecture 140r. Byzantine Art
History of Art and Architecture 240r. Byzantine Art
[History of Art and Architecture 251r. Italian Art of the Renaissance: Seminar]
History of Science 107. History of Medieval Science
[History of Science 112. Medicine and Society in Medieval and Renaissance Europe]
***History of Science 207r. Medieval Science: Seminar**
[History of Science 215. Science and Culture in Late Medieval and Renaissance Europe: Seminar]
History of Science 297r. Topics in the History of Medieval Latin Science
***History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar**
Italian 120a. Dante's *Inferno*
Italian 120d. Dante's *Purgatorio* and *Paradiso*
Italian 140. The *Novella* from Boccaccio to the Storytellers of the 16th Century
[Italian 220. Poesia del '200]
[Italian 230. Petrarca and the Divided Self]
[Italian 235 (formerly 135). Boccaccio]
[Italian 256. Themes and Dreams of the Italian Renaissance]
Latin 3m. Latin Prose Selections (Medieval)
Linguistics 168. Introduction to Germanic Linguistics
Linguistics 250. Old Church Slavonic
[Literature and Arts A-26. Dante's *Divine Comedy* and Its World]
Literature and Arts A-68. Poets and Poetry in the Celtic Literary Tradition
Literature and Arts A-78. The Vikings and the Nordic Heroic Tradition
[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court]
Literature and Arts B-46. Art in the Wake of the Mongol Conquests: Genghis Khan and His Successors
[Literature and Arts C-20. The Hero of Irish Myth and Saga]
Literature and Arts C-22. European Culture in the Middle Ages
[Literature and Arts C-25. The Medieval Stage]
Literature and Arts C-28. Icon—Ritual—Text: Reading the Culture of Medieval Rus'
Literature and Arts C-43. The Medieval Court
Medieval Greek 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 120. Wisdom and Learning]
Medieval Latin 150. Abelard and Heloise
Medieval Latin 151. Virgil in the Middle Ages
[Medieval Latin 205. Waltharius Seminar]



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]
Scandinavian 103. Scandinavian Mythology and Folklore
[Scandinavian 151. The Viking World]
[*Scandinavian 200a. Introduction to Old Norse]
[Scandinavian 200br. Old Norse Literature: Edda and Saga]
[Slavic 130a. Survey of Czech Literature from the Beginnings to 1774]
[Slavic 162e. Survey of Polish Literature from the Beginnings to 1795]
[Slavic 170. The Waning of the Muscovite Middle Ages]
Slavic 280r. Slavic Culture: Seminar
[Slavic 291. Problems in the History of Early Ukrainian Literature]
[Spanish 70a (formerly Spanish 100a). Hispanic Literature: The Middle Ages]
Spanish 116. Early Renaissance Spanish Prose on its Way to the Novel
Spanish 201. The History of the Spanish Language
Spanish 282r. Spanish Literature: Seminar

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., Professor of the History of Religion and Islamic Studies and Murray A. Albertson Professor of Middle Eastern Studies
William E. Granara, Professor of the Practice of Arabic
Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic
Michael Herzfeld, Professor of Anthropology
Roy Mottahedeh, Gurney Professor of History (*on leave fall term*)
Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art
E. Roger Owen, A. J. Meyer Professor of Middle East History



Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

F. Engin Sezer, Associate Professor of Turkish

Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages

Frank E. Vogel, Assistant Professor of Law (*Law School*)

Irene J. Winter, William Dorr Boardman Professor of Fine Arts (*on leave fall term*)

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 Ph.D.: The Faculty of Arts and Sciences has approved joint programs with other faculty departments for the degree of Ph.D. 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 Ph.D. 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 Ph.D. 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 Ph.D. 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 Ph.D 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 Llura Gund Professor of Neurosciences (*Co-Chair*)

Ken Nakayama, Edgar Pierce Professor of Psychology (*Co-Chair*)

Mark G. Baxter, Assistant Professor of Psychology

Alfonso Caramazza, Professor of Psychology

Verne S. Caviness, Jr., Joseph P. and Rose F. Kennedy Professor of Child Neurology and Mental Retardation (*Medical School*)

Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)



Patricia Deldin, Associate Professor of Psychology
 Catherine Dulac, Professor of Molecular and Cellular Biology
 Kurt W. Fischer, Professor of Education (*Education*)
 Albert M. Galaburda, Professor of Neurology (*Medical School*)
 William M. Gelbart, Professor of Molecular and Cellular Biology
 Daniel T. Gilbert, Professor of Psychology
 Barbara J. Grosz, Higgins Professor of Natural Sciences
 David A. Haig, Associate Professor of Biology
 Anne Harrington, Professor of the History of Science (*on leave spring term*)
 Marc D. Hauser, Professor of Psychology
 Pamela Kohl Keel, Assistant Professor of Psychology
 Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and Sciences (*on leave 2000-01*)
 Kenneth S. Kosik, Professor of Neurology (*Medical School*)
 Stephen M. Kosslyn, John Lindsley Professor of Psychology
 Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
 Samuel M. Kunes, Professor of Molecular and Cellular Biology (*on leave fall term*)
 Richard J. McNally, Professor of Psychology
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 Venkatesh N. Murthy, Assistant Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
 Avrom J. Pfeffer, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology
 Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
 Daniel L. Schacter, Professor of Psychology
 Kerry L. Shaw, resigned
 Stuart M. Shieber, Gordon McKay Professor of Computer Science (*on leave 2001-2002*)
 Daniel J. Simons, John L. Loeb Associate Professor of the Social Sciences (*on leave spring term*)
 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*)
 Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
 Richard W. Wrangham, Ruth Moore Professor of Biological Anthropology (*on leave spring term*)

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, four 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; Psychology offers Mind/Brain Behavior track clusters in Cognition/Brain/Behavior and Psychopathology; and Psychology also administers a Cognitive Neuroscience track, a joint program in Psychology and Biology. Foundation courses are required or recommended each year in all four tracks so that students in the four concentrations can interact. The foundation courses include Science B-29, Human Behavioral Biology (first year); Biological Sciences 25 or 80, Behavioral Neuroscience (sophomore year); one of several designated seminars (junior year); and a research workshop (senior year). For the requirements of each track, consult www.wjh.harvard.edu/MBB/admin/.

The courses listed below address various facets of neuroscience or closely related material. Complete descriptions may be found under the various departments.

Science B-29, B-44, B-48.

Anthropology 106.

Biology 22, 174.

Biological Sciences 80.

MCB 117, 129, 138, 141, 186.

Computer Science 181, 182, 228, 282, [283], 285, 287r, [288].

Engineering Sciences 145, 148, 149, 157, 218.

History of Science 144, [175], [176], 177, [275], 278.

Medical Sciences: BCMP 213; Genetics 214; Neurobiology 200, 205, [206], 207, 208, [209], 220, 221.

Psychology 13, 16, 18, 987a, 987b, 987c, [987d], 987f, 987h, 987g, 992, 1152, [1201], 1202, 1203, [1251], 1252, 1254, [1301], 1302, 1303, 1350, [1353], [1354], 1357, 1401, 1565, 1567, 1604, 1605, 1606, [1653], 1657, 1801, [1802], 1803, [1805], 1806, 1807, 1851, 1854, 1855, 1856r, 1858, 2130, [2150], 2253r, 2265, 2300r, 2335r, [2340], [2345r], 2353r, 2355r, [2400], 2420, [2480], 2482, 2551.

Additional course listings will appear in the booklet *Courses in Mind/BrainBehavior*.



Music

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Music

Thomas Forrest Kelly, Harvard College Professor and Professor of Music (*Chair*) (*on leave spring term*)
 Reinhold Brinkmann, James Edward Ditson Professor of Music (*Director of Graduate Studies*)
 Mauro Calcagno, Assistant Professor of Music
 David E. Cohen, Assistant Professor of Music
 Mario Davidovsky, Fanny P. Mason Professor of Music
 Joshua Fineberg, Assistant Professor of Music
 Robert D. Levin, Dwight P. Robinson, Jr. Professor of the Humanities (*Head Tutor*)
 David Lewin, Walter W. Naumburg Professor of Music
 Lewis Lockwood, Fanny Peabody Professor of Music (*on leave fall term*)
 Jameson N. Marvin, Senior Lecturer on Music
 Jeff William Nichols, Associate Professor of Music (*on leave fall term*)
 Karen Painter, Associate Professor of Music (*Assistant Head Tutor*) (*on leave spring term*)
 Bernard Rands, Walter Bigelow Rosen Professor of Music
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music (*on leave fall term*)
 Kurt Stallmann, Assistant Professor of Music
 Daniel Stepner, Preceptor in Music
 John Stewart, Senior Preceptor in Music
 Richard Wolf, Assistant Professor of Music
 Christoph Wolff, William Powell Mason Professor of Music (*on leave 2000-01*)
 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.

----- (fall term); John Stewart (spring term)

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

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

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

History of Western Art Music. Music 1b continues the survey started in Music 1a, beginning with the transition from the Classical to the Romantic period. Lectures will cover the history of music within its cultural, social, and political contexts, including a study of musical forms and compositional techniques. Composers studied include Beethoven, Schubert, Chopin, Robert and Clara Schumann, Liszt, Berlioz, Mahler, Wagner, Bizet, Verdi, Schoenberg, Berg, Stravinsky, Debussy, and later 20th-century composers; jazz.

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 40.

Joshua Fineberg

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12



The course focuses on the musical language of "common practice tonality," which flourished in Europe from ca. 1700-1850. It attempts to understand the choices that this group of composers made and the musical implications of these choices. Ability to read simple musical notation is helpful but not required; sections are divided according to levels of musical background.

Note: May not be counted for concentration. Ability to read simple musical notation is helpful but not required; sections are divided according to levels of musical background.

Music 3. Fundamentals of Music Theory II

Catalog Number: 5805

Joshua Fineberg

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

This course provides an inside look at how Western music is built. The first part of the course concentrates first on "common practice tonality," then on what has happened to this musical language since 1850, with emphasis on the twentieth century. The final project is a short composition.

Note: May be taken independently of Music 2, but a strong knowledge of music notation, scales and key signatures is essential. Sections are divided according to levels of musical background. May not be counted for concentration.

Prerequisite: Music 2 or permission of the instructor.

Music 4. Introduction to Composition

Catalog Number: 2239 Enrollment: Limited to 16.

Jeff William Nichols

Half course (fall term). Th., at 1, Tu., 1–3. EXAM GROUP: 15, 16

Open to students with little or no prior experience in composition. Explores phrase structure, harmony, counterpoint, and form in a variety of idioms through exercises and short compositions. Also covers basic principles of instrumentation and score preparation.

Prerequisite: Music 2 or equivalent or permission of the instructor.

Music 5. Intermediate Composition

Catalog Number: 2376

Jeff William Nichols

Half course (spring term). Tu., 1–3, Th., at 1. EXAM GROUP: 15, 16

Continues the exploration of basic compositional principles begun in Music 4, but with a focus on strategies of large-scale organization in music. Students write three pieces, during the semester, each exemplifying a different principle of formal structure (e.g. rondo, through composition, and "moment form").

Note: May be taken independently of Music 4 with permission of the instructor.

***Music 51. Theory I**

Catalog Number: 3649

----- (fall term); *John Stewart* (spring term)

Full course. Tu., Th., at 1, and additional hours to be arranged. EXAM GROUP: 15

Elementary counterpoint and harmony; small forms and chorale harmonization. Concentration on written exercises, ear training, and keyboard.

Note: Music 51 or its equivalent is required of all concentrators. Students planning to concentrate



in Music are encouraged to take the course in their freshman year. In any case, concentrators should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Basic theory and ear training skills. For more specific information, consult instructor before the first class meeting.

***Music 91r. Supervised Reading and Research**

Catalog Number: 1298

Robert D. Levin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to students wishing to pursue supervised study in an area not covered by the courses currently offered. Students must submit a study proposal to the faculty member with whom they wish to study and a signed proposal to the Department Administrator. May be counted for concentration *only* with the prior approval of the Department.

***Music 92r. Senior Project**

Catalog Number: 2744

Robert D. Levin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

For students doing a Senior Project, when a pertinent regularly listed course does not exist, or is not being offered during the student's senior year.

Note: Students considering this course should read carefully and well in advance the relevant material in Handbook for Students, under the section of "Fields of Concentration: Music". Students should note, in particular #3 in the section marked 'Basic requirements': "a brief written prospectus . . . must be approved and signed by the instructor, and submitted to the Head Tutor no later than the second week of the semester." The prospectus must clarify, when appropriate, why no regularly listed course being offered during the student's senior year is pertinent to the proposed work.

***Music 93r. Supervised Reading and Research**

Catalog Number: 8849

James D. Yannatos

Half course (fall term; repeated spring term). Hours to be arranged.

Open to students wishing to pursue supervised study in chamber music. Students must submit a study proposal to Professor Yannatos and a signed proposal to the Department Administrator.

Note: May not be taken Pass/Fail. May not be counted for concentration.

Music 97r. Tutorial—Sophomore Year: Music History and Repertory

Catalog Number: 0113

Mauro Calcagno

Full course (indivisible). M., W., F., at 10, with additional meeting to be arranged.

For concentrators only. An intensive survey of Western music throughout its history and of selected non-Western musical traditions, providing methods of further study of music in historical and cultural contexts as well as basic knowledge of repertory. Meets weekly for three-hour sessions in small sections, with occasional lectures to the entire group.

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 2001–02. May not be counted for concentration.

Prerequisite: Choral or ensemble experience; ear training, keyboard, and theory background helpful.

Music 121b. Advanced Choral Conducting

Catalog Number: 1675

Jameson N. Marvin

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Development of the conductor's ear, analytical and interpretive skills, rehearsal techniques, and further development of conducting technique related to choral literature from the Renaissance through the 20th century.

Prerequisite: Music 121a, Music 51, or conducting and musicianship background.

***Music 125a (formerly *Music 158a). Beginning Orchestration and Conducting**

Catalog Number: 8397

James D. Yannatos

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Studies in basic conducting skills related to exercises in 17th- and 18th-century orchestration.



Demonstration of stringed instruments.

Prerequisite: Music 51 or permission of instructor.

[*Music 125b (formerly *Music 158b). Advanced Orchestration and Conducting]

Catalog Number: 8304

James D. Yannatos

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Advanced conducting skills related to studies in tonal, polytonal, atonal, 12-tone and avant-garde orchestration. Demonstration of wind, brass, and percussion instruments.

Note: Expected to be given in 2001–02.

Prerequisite: Music 154 or permission of instructor.

Music 126b. Advanced Conducting

Catalog Number: 4868

James D. Yannatos

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Workshop for aspiring conductors with some experience. The technical aspects of conducting and rehearsing in relation to an understanding of the score will be studied with practical classroom exercises using piano and various instrumental groups.

Prerequisite: Music 125a, Music 154, and/or permission of the instructor.

***Music 154. Theory II**

Catalog Number: 4771

David E. Cohen

Full course. M., W., F., at 11. EXAM GROUP: 4

Tonal harmony, voice leading, and form in the late 18th century (fall term) and the 19th century (spring term), explored through analysis of selected works and compositional exercises. Fall term includes an introduction to species counterpoint.

Note: Required of all concentrators. May not be counted for credit toward an advanced degree.

Prerequisite: Music 51 or equivalent.

Music 155 (formerly *Music 155a). Modal Counterpoint

Catalog Number: 7710

Half course (spring term). W., F., at 11. EXAM GROUP: 4

Written work in the Palestrina Style.

Prerequisite: Music 154 or permission of instructor.

Music 156 (formerly *Music 155b). Tonal Counterpoint

Catalog Number: 3930

Jeff William Nichols

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Written work in the Bach Style.

Prerequisite: Music 154 or equivalent.



Music 157x (formerly *Music 162 and 162ar). Tonal Analysis

Catalog Number: 6830

Kurt Stallmann

Half course (fall term). Th., at 4. EXAM GROUP: 18

Detailed examination of representative tonal compositions.

Note: For undergraduates who have completed Music 154 or equivalent, and strongly recommended for incoming graduate students in composition and musicology.

Prerequisite: Music 154 or permission of instructor.

Music 157y. Analysis of 20th-Century Music

Catalog Number: 4397

Jeff William Nichols

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Detailed examination of representative 20th-century compositions.

Prerequisite: Music 154 or permission of instructor.

***Music 160ar. Composition: Proseminar**

Catalog Number: 2685

Bernard Rands

Half course (fall term). 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

Bernard Rands

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

Continuation of Music 160ar.

Prerequisite: Music 154 or permission of instructor.

Music 167r. Electro-Acoustic Composition

Catalog Number: 2357

Kurt Stallmann

Full course. W., 4–6. EXAM GROUP: 9

Composition and performance involving the electronic medium, analog and digital. Course work centers on projects realized in the electronic studio using synthesizers and computers and includes study of relevant aspects of acoustic and electronic theory. Compositions since 1948 in the genres of musique concrete, “pure” and “live” electronic music, music for instruments and tape and multi-disciplinary works are also studied. Computer music techniques such as synthesis, sampling, MIDI sequencing, digital recording and editing, and live performance techniques are also covered in this course.

Prerequisite: One course in music theory/composition or permission of the instructor.



Music 178r. Musical Systems in Contexts Performance

Catalog Number: 6366 Enrollment: Limited to 14.

Richard Wolf

Half course (fall term). Tu., 10–11:30. EXAM GROUP: 12, 13

Combines performance, analysis, and expository writing to examine three musical systems: south Indian classical, Persian, and Shona mbira. *India, Iran and Zimbabwe*. This course uses hands-on performance as a point of departure for examining tonal and rhythmic systems of selected musical cultures. Featured this semester are the special listening and performance challenges of three musical traditions: Persian classical, south Indian classical (Karnatak), and Zimbabwean mbira. Examinations include performance and listening; semester project may involve fieldwork, instrument making, or deeper research into one of the three traditions.

Note: 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 182r (formerly *Music 182). 18th-Century Performance Practice**

Catalog Number: 1460

Robert D. Levin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Articulation, ornamentation, improvisation, and other stylistic domains are considered from the perspectives of historical evidence and modern performance.

Note: May be counted for music concentration credit for Music 192r.

Prerequisite: Music 154 or permission of instructor.

Music 183. 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.

***Music 190r. Proseminar: Topics in World Music**

Catalog Number: 0651



Virginia Danielson

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Music in Middle Eastern Contexts. Explores musical genres and practices using case studies from the Arab world, Turkey, and North America. Topics will include the role of musical performance in Middle Eastern societies; aesthetics and styles; Muslim devotional expression; the role of dance; women as performers concepts of classical culture; and the construction of popular musics.

Note: For music concentrators or by permission of instructor.

***Music 190rr. Proseminar: Topics in World Music**

Catalog Number: 1312

Richard Wolf

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The Musical Cultures of Iran. Course focuses on classical, folk, and ritual based musical traditions of Iran using readings, recordings, and modest hands-on performance. Issues include the influence of Islam on the development and contexts for music, the codification of the *radif* system, relationships between *ifolk* and *iclassical* music, the connection between poetic and musical meters, and the life of Persian music in the Boston area. Students will be encouraged to supplement their understandings by taking up a Persian instrument (the department owns a set) and learning from musicians in the local Iranian community. Projects may be fieldwork or library based.

Note: For music concentrators or by permission of instructor.

Music 191r. Topics in Medieval and Renaissance Music: Proseminar

Catalog Number: 2524

Mauro Calcagno

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Madrigal.

Note: For music concentrators or by permission of instructor.

Music 192r. Topics in Music from 1600-1800: Proseminar

Catalog Number: 3375

Christoph Wolff

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

A critical study of Mozart's "Die Zauberflöte and its context: musical, literary, dramaturgical, and philosophical issues.

Note: For music concentrators or by permission of instructor.

Prerequisite: Music 51.

Music 193r. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 3741

Karen Painter

Half course (fall term). Hours to be arranged.

Seminar will examine the major works of Gustav Mahler (symphonies and songs), exploring their break from traditions of the 19th century and influence on compositional developments in



the 20th century. A range of theoretical models (narrative, film theory, cultural criticism) will be developed in the interpretation and analysis of the music.

[Music 193rr. Topics in Music from 1800 to the Present: Proseminar]

Catalog Number: 2618

Reinhold Brinkmann

Half course (spring term). Hours to be arranged.

20th-century Techniques. Debussy; Scriabin; the Russian avantgarde; Free Atonality; Twelve-tone Composition: Schoenberg, Berg, and Webern; Bartók; Cowell; Varèse; Messiaen, Total Serialism(s): Babbitt, Stockhausen, Boulez, and Nono; Cage; Ligeti.

Note: Expected to be given in 2001–02. Offered for both undergraduate music concentration credit and graduate credit.

Prerequisite: Music 51; Music 154 (may be taken concurrently).

Music 193rs. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 6275

Mark P. Risinger

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Lieder from Schubert to Wolf. A seminar focusing on the musical and literary milieu of lieder composition in the 19th century, with special emphasis on songs of Schubert, Schumann, Brahms and Wolf. Seminar presentations will include analysis of harmonic structures of text-music relationships, and of manuscript sources, in addition to discussions of recent scholarship. In-class performances of repertoire under discussion will be welcomed, but not required.

Note: Offered for both undergraduate concentration credit and graduate credit.

Prerequisite: Music 51; Music 154 (may be taken concurrently).

[Music 194r (formerly Music 190r). Special Topics: Proseminar]

Catalog Number: 2846

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Cross-listed Courses

Literature and Arts B-51. First Nights: Five Performance Premieres

Literature and Arts B-54. Chamber Music from Mozart to Ravel

Literature and Arts B-55. Opera: Perspectives on Music and Drama

Literature and Arts B-64. The Symphonic Century: Orchestral Music from 1820 to 1914

[Literature and Arts B-65. Music in *Fin-de-siècle* Vienna: The Origins of Modernism]

Literature and Arts B-78. Soundscapes: World Music at Home and Abroad

[Literature and Arts B-80. The Swing Era]

Primarily for Graduates

***Music Bhf. Exercises in Tonal Writing and Analysis**

Catalog Number: 3045



John Stewart

Half course (throughout the year). Hours to be arranged.

Includes theory (level of Music 154) as well as keyboard and ear training.

Note: Required of all graduate students. This requirement must be met before admission to the General Examination.

Music 201. Current Methods in Musicology

Catalog Number: 3973

Richard Wolf (fall term) and Christoph Wolff (spring term)

Full course. Fall: F., 10–12; Spring: M., 2–4. EXAM GROUP: Fall: 3, 4; Spring: 7, 8

An introduction to scholarship, drawing upon the history, theoretical frameworks, and the working methods of historical musicology and ethnomusicology. Fall semester focuses on the introduction to the scholarly study of music with emphasis on the history and methodologies of ethnomusicology. Theories of music in culture, field methods, analytical and notational strategies, and critical tools for scholarship. The fall/spring semester focuses on issues of musical biography, autobiography, and the multi-faceted problems of the relationship between life and works, based on representatives 17th and 18th century examples.

Note: Either semester may be taken independently by students from other departments with permission of the instructor.

[Music 203. Primary Musical Sources at Harvard]

Catalog Number: 5657

Christoph Wolff

Half course (spring term). Hours to be arranged.

A critical examination of manuscript and printed scores, parts, and tablatures, letters and other musical documents from the 14th to the 20th centuries in the Houghton and Isham Libraries.

Note: Expected to be given in 2001–02.

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.

Music 206r. Research Methods in Ethnomusicology: Seminar

Catalog Number: 6891

Kay Kaufman Shelemay

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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.

Music 207r. Ethnomusicology: Seminar

Catalog Number: 2149

Richard Wolf



Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Ethnomusicology of Space and Time. Plumbs theoretical literature in ethnomusicology and allied disciplines on music's role in making and feeling space, place and time. Indian and Pakistani case studies used as illustrations, but readings are not limited historically or geographically.

Note: Permission of instructor.

Music 208r. Ethnomusicology: Seminar

Catalog Number: 2232

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Music and Memory. An ethnomusicological approach to the study of memory, focusing on the musical construction of remembrance.

Note: Permission of instructor required for undergraduates.

Music 211r. Topics in Medieval Music: Seminar

Catalog Number: 4433

Thomas Forrest Kelly

Half course (spring term). Hours to be arranged.

Music 212r. Chant: Seminar

Catalog Number: 4984

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Getting to Know Medieval Song. Historical/critical studies of liturgical change, sacred song and secular song traditions of the medieval West. Performance and the means of transmission oral and written will be major considerations. The seminar will work throughout toward an awareness of what it is to try to know the music and musical practice and thought of a culture so distant from our own.

Prerequisite: Permission of instructor required for undergraduates.

Music 213r. Topics in Medieval Polyphony: Seminar

Catalog Number: 5802

Thomas Forrest Kelly

Half course (spring term). Hours to be arranged.

Major repertoires in early polyphony: Winchester, Saint Martial, Notre Dame. The study of liturgical practice, style, notation, and repertory content in early but substantial repertoires.

***Music 214r. Renaissance Music: Seminar**

Catalog Number: 7825

Peter Urquhart (University of New Hampshire)

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Josquin des Prez.

Music 215r. Baroque: Seminar

Catalog Number: 6817

Christoph Wolff



Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Bach's B-Minor Mass and related repertoire: a critical examination of primary sources, compositional techniques, stylistic issues, and historical aspects

Music 216r. 18th-Century Music: Seminar

Catalog Number: 6868

Half course (spring term). Hours to be arranged.
Topic to be announced.

Music 217r. 19th-Century Music: Seminar

Catalog Number: 3702

Ruth Solie

Half course (fall term). Hours to be arranged.

Historiography of Music. Emphasis on musicological attitudes toward and treatments of the 19th century as a period in music history.

Note: Permission of instructor required for undergraduate concentrators.

Music 218r. 20th-Century Music: Seminar

Catalog Number: 8558

Reinhold Brinkmann

Half course (spring term). W., 4–6. EXAM GROUP: 8, 9

Music After World War II: from serialism to minimalism.

Note: May be taken by undergraduate music concentrators by permission of instructor.

Music 218rr. 20th-Century Music: Seminar

Catalog Number: 0774

Reinhold Brinkmann

Half course (fall term). Hours to be arranged.

Music and Fascist Ideology.

Music 219br (formerly Music 219r). 19th & 20th Century Music: Seminar

Catalog Number: 2275

Karen Painter

Half course (spring term). Hours to be arranged.

Opera in the 20th Century. Seminar will explore a range of operas from different compositional and aesthetic schools --Strauss's *Elektra*, Pfitzner's *Palestrina*, Berg's *Wozzeck*, Hindemith's *Mathis der Maler*, Birtwistle's *Punch and Judy*, Betsy Jolas's *Schliemann*, and Adam's *Nixon in China*. Seminar presentation may focus on recent productions of the traditional repertoire.

Music 220ar. History of Music Theory: Seminar

Catalog Number: 2119

David E. Cohen

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Music Theory from the Italian Renaissance to the French Enlightenment. History of music theory from the period of the Italian Renaissance (c. 1500) to the earlier treatises of Rameau



(1720's). Counterpoint, thoroughbass, triadic harmony. Modes and keys. Speculative theory and acoustics. Influences from Humanism and the Scientific Revolution.

Music 220br. History of Music Theory: Seminar

Catalog Number: 1580

David E. Cohen

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Music Theory from Rameau to Riemann. History of music theory from Rameau in the mid-eighteenth century through Hugo Riemann (c. 1900). Theories of harmony, melody, form, meter, and rhythm, and aesthetics. Influences from contemporary philosophy and science.

Music 222ar. Schenkerian Analysis I

Catalog Number: 4055

David E. Cohen

Half course (fall term). Hours to be arranged.

Music 222br. Schenkerian Analysis II

Catalog Number: 0593

David E. Cohen

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Continuation of Music 222ar.

Prerequisite: Music 222ar or permission of instructor.

Music 230ar. Topics in Music Theory I

Catalog Number: 5712

David Lewin

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

Music and Text.

Music 230br. Topics in Music Theory II

Catalog Number: 6696

David Lewin

Half course (spring term). Tu., 3–5. EXAM GROUP: 15, 16

Music and Text.

[*Music 261r (formerly *Music 268r). Composition: Seminar]

Catalog Number: 3326 Enrollment: Limited to 10.

Bernard Rands

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2001–02. Open only to students prepared for work in original composition.

***Music 262r (formerly *Music 269r). Composition: Seminar**

Catalog Number: 4457 Enrollment: Limited to 10.

Mario Davidovsky



Full course (indivisible). Hours to be arranged.

Note: Open only to students prepared for work in original composition.

Music 264r. Electronic Music Composition: Seminar

Catalog Number: 1939

Mario Davidovsky

Full course (indivisible). Hours to be arranged.

Fall: Technical, perceptual, and aesthetic aspects of usage of electronically generated sounds in music composition. Composition using acoustic instruments in combination with electronic sounds are encouraged. *Spring:* 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 270r. Special Topics

Catalog Number: 3727

Barry E. Conyngham

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Towards an Australian accent on music, 1950 to 1999.

[Music 271r. Fromm Seminar in Composition]

Catalog Number: 1311

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Note: Expected to be given in 2001–02.

Music 272r. Special Topics

Catalog Number: 2059

Jeff William Nichols

Half course (spring term). Hours to be arranged. EXAM GROUP: 3, 4

The Emancipation of Timbre. Seminar on the role of timbre in contemporary music. Focus is on music since 1970; some time will be spent on sound perception and analysis. It also deals with timbre in the common-practice and modernist repertoires.

Graduate Courses of Reading and Research

***Music 300. Reading and Research for Advanced Students**

Catalog Number: 2504

Reinhold Brinkmann 7971, David E. Cohen 1714, Barry E. Conyngham 3669, Mario Davidovsky 1146, Joshua Fineberg 3749, Thomas Forrest Kelly 1324, Robert D. Levin 3482, David Lewin 1238, Lewis Lockwood 7099 (on leave fall term), Jeff Nichols 1456 (on leave fall term), Karen Painter 3615, Bernard Rands 1900, Kay Kaufman Shelemay 3483 (on leave fall term), Kurt Stallmann 2453, Richard Wolf 1386, and Christoph Wolff 4532 (on leave 2000-01)

Individual work on specific topics not included in the announced course offerings.



***Music 301. Reading and Research**

Catalog Number: 6543

Reinhold Brinkmann 7971, David E. Cohen 1714, Mario Davidovsky 1146, Joshua Fineberg 3749, Thomas Forrest Kelly 1324 (on leave spring term), David Lewin 1238, Lewis Lockwood 7099 (on leave fall term), Jeff William Nichols 1456 (on leave fall term), Karen Painter 3615 (on leave spring term), Bernard Rands 1900, Kay Kaufman Shelemay 3483 (on leave fall term), Kurt Stallmann 2453, Richard Wolf 1386, and Christoph Wolff 4532 (on leave 2000-01)

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

Members of the Department

Half course (spring term). Th., 2–4.

***Music 310. Direction of Doctoral Dissertations**

Catalog Number: 1819

Reinhold Brinkmann 7971, Mario Davidovsky 1146, Thomas Forrest Kelly 1324 (on leave spring term), Robert D. Levin 3482, David Lewin 1238, Lewis Lockwood 7099 (on leave fall term), Bernard Rands 1900, Kay Kaufman Shelemay 3483 (on leave fall term), and Christoph Wolff 4532 (on leave 2000-01)

Note: May not be counted toward course requirements for the Ph.D. degree.

Near Eastern Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Near Eastern Languages and Civilizations

William A. Graham, Jr., Professor of the History of Religion and Islamic Studies and Murray A. Albertson Professor of Middle Eastern Studies (*Chair*)

Irit Aharony, Preceptor in Modern Hebrew

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture (*on leave 2000-01*)

Gaber Ahmed Asfour, Shawwaf Visiting Professor of Arabic and Islamic Studies (*Cairo University*)

Paul-Alain Beaulieu, Associate Professor of Assyriology (*on leave 2000-01*)

J. F. Coakley, Senior Lecturer on Near Eastern Languages and Civilizations

Ayman A. El-Desouky, Preceptor in Modern Arabic



William E. Granara, Professor of the Practice of Arabic (*Head Tutor*)
 Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy (*Director of Graduate Studies*)
 Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies
 Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic
 John Huehnergard, Professor of Semitic Philology
 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 spring term*)
 Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*on leave fall term*)
 Susan G. Miller, Senior Lecturer on Islamic Studies
 Marcus Moseley, Assistant Professor of Jewish Studies
 James R. Russell, Mashtots Professor of Armenian Studies
 Richard James Saley, Lecturer on the Ancient Near East (*Divinity School*)
 Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization
 F. Engin Sezer, Associate Professor of Turkish
 P. Oktor Skjaervo, Aga Khan Professor of Iranian (*on leave spring term*)
 Lawrence E. Stager, Dorot Professor of the Archaeology of Israel (*on leave spring term*)
 Piotr Steinkeller, Professor of Assyriology
 Sinasi Tekin, Senior Lecturer on Turkish
 Wheeler M. Thackston, Jr., Professor of the Practice of Persian and other Near Eastern Languages
 Stephanie Bowie Thomas, Preceptor in Modern Arabic
 Rina Winkelman, Preceptor in Modern Hebrew
 Robert Wisnovsky, Assistant Professor of Islamic Intellectual History
 Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature
 Joseph Yahalom, Gerard Weinstock Visiting Professor of Jewish Studies (*The Hebrew University*)

Other Faculty Offering Instruction in the Department of Near Eastern Languages and Civilizations

Gary Anderson, Professor of Hebrew Bible (*Divinity School*) (*on leave 2001-02*)
 Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*)
 Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
 Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
 Roy Mottahedeh, Gurney Professor of History (*on leave fall term*)
 E. Roger Owen, A. J. Meyer Professor of Middle East History

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 Graduates

[Near Eastern Civilizations 210. Death and Afterlife: Seminar]

Catalog Number: 7039

Jan Assmann

Half course (spring term). Hours to be arranged.

Each session will begin with a lecture presentation on the week's topic with special reference to Ancient Egypt, followed by discussion and presentations. Topics will vary according to the disciplinary (art history, anthropology, history, philosophy, etc.) orientations and cultural or religious (Ancient Greek, Buddhist, Christian, Islamic, etc.) specializations of participants.

Note: Expected to be given in 2001–02.

Primarily for Undergraduates

Near Eastern Civilizations 90. Junior Seminars These half courses are limited in enrollment with preference given to Near Eastern Languages and Civilizations concentrators in their junior years. Undergraduate non-concentrators may enroll in junior seminars on a space available basis.

[*Near Eastern Civilizations 90a. Near Eastern Mystical Traditions in 19th-Century American Literature and Culture]

Catalog Number: 7077 Enrollment: Limited to 10.

James R. Russell

Half course (fall term). Hours to be arranged.

The course will consider Zoroastrian, Egyptian, Sufi, Kabbalistic, and Hindu material, and the reception of these religious ideas on the works of Poe, Melville, Thoreau, Emerson, and other writers, with consideration also of utopian and millennial communities and the theosophical movement.

Note: Expected to be given in 2001–02. This course can function as a Junior Tutorial.

***Near Eastern Civilizations 91r. Supervised Reading and Research**

Catalog Number: 1132

William E. Granara and members of the Department.

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research in subjects not treated in regular courses.

***Near Eastern Civilizations 97r. Group Tutorial—Sophomore Year**

Catalog Number: 0167

William E. Granara and members of the Department

Half course (spring term). Hours to be arranged.

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 and William E. Granara 1054

Half course (fall term; repeated spring term). To be arranged.

***Near Eastern Civilizations 390. Direction of Doctoral Dissertations**

Catalog Number: 3041

Ali S. Asani 7739 (on leave 2000-01), William A. Graham, Jr. 4156, 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 spring term), Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave fall term), Marcus Moseley 1693, James R. Russell 3411, Bernard Septimus 7160, F. Engin Sezer 2833, P. Oktor Skjaervo 2869 (on leave spring term), Lawrence E. Stager 1468 (on leave spring term), Piotr Steinkeller 7337, Wheeler M. Thackston, Jr. 4004, Robert Wisnovsky 2229, and Ruth R. Wisse 3177

Ancient Near Eastern and Biblical Studies

See also below under Akkadian and Sumerian, Aramaic, Hebrew, and Semitic Philology.

For Undergraduates and Graduates

[Ancient Near East 100. History of the Ancient Near East: Mesopotamia]

Catalog Number: 0702

Half course (fall term). Hours to be arranged.

Surveys the political and cultural history of Mesopotamia from c. 4000 B.C.

Note: Expected to be given in 2001–02. 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). W., F., 1–2:30. EXAM GROUP: 7, 8



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 2001–02.

Ancient Near East 102. Introduction to Mesopotamian Religion

Catalog Number: 0486

Piotr Steinkeller

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

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 1. EXAM GROUP: 15

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. Discussion 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.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1427.

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. This course will have a lab section.

Note: 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 2001–02. 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 2001–02. 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 (fall term). M., W., at 11. One additional hour to be arranged. 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

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.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1425.

[Ancient Near East 124. Myth and Mythmaking in the Biblical and Ancient Near Eastern World]

Catalog Number: 6475

Half course (fall term). Hours to be arranged.

An exploration of the nature and function of myth in the context of the ancient Near East. Focuses on selected mythic texts from various Near Eastern cultures and considers them in the light of general approaches to myth developed in Western scholarship. Particular attention given to the issue of myth in the Hebrew Bible.



Note: Expected to be given in 2001–02. No knowledge of the ancient languages involved is assumed. Offered jointly with the Divinity School as 1128/3410.

[Ancient Near East 126. History of the Religion of Israel]

Catalog Number: 1672

Peter Machinist

Half course (spring term). Hours to be arranged.

The study of ancient Israelite religion and culture in comparative historical context. Topics examined include conceptions of divinity, prophecy, law, kingship, and cult. Through such topics the aim is to see how Israel related to other cultures of the ancient Near East and, thus, of what value the study of the other cultures has in understanding the character of Israelite religion itself.

Note: Expected to be given in 2001–02. 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). W., F., at 11 and an additional hour to be arranged. EXAM GROUP: 4

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: Offered jointly with the Divinity School as 1125.

[Ancient Near East 128. Jewish Apocalypticism]

Catalog Number: 6332

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

A study of Jewish apocalyptic movements, from origins in the 6th and 5th centuries B.C.E. down to their flowering in Hellenistic and Roman times. A variety of texts are examined in English translation. Special attention is given to the traditions found in these texts, the origins of those traditions in biblical and extrabiblical sources, and the use of those traditions in the literature under study. Attention also given to comparable phenomena in other ancient cultures. Questions of contemporary theological significance are also raised.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1460.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 129. Selected Literature of Second Temple Judaism]

Catalog Number: 2077

Half course (fall term). Hours to be arranged.

A close critical reading in English of a selection of narrative and wisdom compositions of the late Second Temple period, such as Esther, Qoheleth (Ecclesiastes), Ben Sira (Ecclesiasticus), Daniel, Judith, Tobit 3 and 4 Maccabees, Joseph and Aseneth, and the Wisdom of Solomon. Emphasis on literary and theological analysis.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03. Offered jointly with



the Divinity School as 1426.

Prerequisite: An introductory course in the historical critical study of the Hebrew Bible.

[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 2001–02.

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 2001–02. Offered jointly with the Divinity School as 1417.

Prerequisite: Ancient Near East 120.

[Ancient Near East 135. Biblical Theology: Hebrew Bible]

Catalog Number: 4476

Paul D. Hanson (Divinity School)

Half course (fall term). Hours to be arranged.

The theology of the Hebrew Bible studied by explicating major biblical themes (e.g., creation, liberation, war and peace, economic justice, social reform) and then relating them to issues in the contemporary world. Attention also given to background questions such as concepts of biblical authority and hermeneutical theory.

Note: Expected to be given in 2001–02. 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). Tu., 1–3. EXAM GROUP: 15, 16

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 omitted in 2001–02. Offered jointly with the Divinity School as 1465/2529.

Cross-listed Courses



History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia

History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar

[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 (spring term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2000–01: Research and Design of Museum Exhibits in Biblical Archaeology.

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). Th., 1–3. EXAM GROUP: 16, 17

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: Offered jointly with the Divinity School as 1800.

Prerequisite: At least two courses in Hebrew Bible/ Old Testament.

[Ancient Near East 236. Biblical Theology: Seminar]

Catalog Number: 7022

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of resources within the Bible for the construction of contemporary political theology.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03. Offered jointly with



the Divinity School as 1801/2471.

Prerequisite: Ancient Near East 120 or equivalent.

Graduate Courses of Reading and Research

***Ancient Near East 310. Reading and Research in Ancient Near Eastern Archaeology**

Catalog Number: 4264

Lawrence E. Stager 1468 (on leave spring term)

***Ancient Near East 320. Reading and Research in Ancient Mesopotamian Civilization**

Catalog Number: 5678

John Huehnergard 7697, Peter Machinist 2812 (on leave fall term), and Piotr Steinkeller 7337

***Ancient Near East 330. Reading and Research in Biblical Studies**

Catalog Number: 1524

Gary Anderson (Divinity School) 1771 (on leave 2001-02), Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, James L. Kugel 7575 (on leave spring term), Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave fall term), and Lawrence E. Stager 1468 (on leave spring term)

Postbiblical Jewish Studies

See also below under Aramaic, Hebrew, and Yiddish.

For Undergraduates and Graduates

[Jewish Studies 111. Modern Jewish Thought]

Catalog Number: 5461

Jay M. Harris

Half course (spring term). Hours to be arranged.

A study of significant Jewish thinkers in the modern period and their reflections on the past and present meaning of Judaism. All thinkers studied against the background of premodern Jewish thought and the challenges posed by modern Western philosophical systems.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3682.

Jewish Studies 114. Modern Hebrew Literature in Translation

Catalog Number: 0343

Marcus Moseley

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Traces the development of modern Hebrew literature from the period of the Jewish enlightenment (Haskalah), through the period of cultural “renaissance” in Jewish Eastern Europe (Tehiyyah) in the late 19th and the early 20th centuries, to the literature of contemporary Israel. Where appropriate, reading of the English translations will be accompanied by study of the Hebrew text. Authors include Mendeleyev the Bookseller (S. Y. Abramovich), H. N. Bialik, Saul



Tschernichowsky, Amos Oz, A. B. Yehoshua.

Note: Offered jointly with the Divinity School as 3685.

Jewish Studies 116. Messianism, Mysticism and Magic in Modern Jewish Literature

Catalog Number: 5229

Marcus Moseley

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The aim of the present course is to trace the transmigrations of Jewish mystical and messianic motifs within the modern literary context. Literature by Jews in non-Jewish languages and in Hebrew and Yiddish will be considered. Authors to be studied include Sholem Aleichem, Isaac Beshevis Singer, Sh. Ansky, Jacob Wasserman, Walter Benjamin. All texts will be in English translation.

Note: Offered jointly with the Divinity School as 3687.

[Jewish Studies 117. Religious Elements in Modern Jewish Poetry]

Catalog Number: 5465

Marcus Moseley

Half course (spring term). Hours to be arranged.

This course will examine aspects of continuity and discontinuity between modern Jewish poetry and the texts of traditional Judaism. We shall focus upon texts written in Hebrew and Yiddish and English. All foreign-language texts will be taught in English translation. Poets to be included in this survey: H.N. Bialik, H. Tchernikowsky, Uri Zvi Greenberg, Yankev Glatstein, Allen Ginsberg, and Leonard Cohen.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3689.

Cross-listed Courses

Comparative Literature 103r. Literature and Politics: The Case of Zionism

[Comparative Literature 104. Jewish Autobiography from the Renaissance to the 20th Century]

Comparative Literature 166. The Comic Tradition in Jewish Culture

[Foreign Cultures 56. Jewish Life in Eastern Europe]

History 1150. The Jews in Muslim and Christian Spain

History 1585. Jews in Modern Times: From the French Revolution to the Emergence of Israel

[Literature and Arts A-48. The Modern Jewish Experience in Literature]

Primarily for Graduates

***Jewish Studies 200r. Guided Readings in Jewish History**

Catalog Number: 4478

Jay M. Harris

Half course (spring term). Hours to be arranged.

Graduate Courses of Reading and Research



***Jewish Studies 300. Reading and Research in Postbiblical Jewish Studies**

Catalog Number: 1544

Jay M. Harris 2266, James L. Kugel 7575 (on leave spring term), Bernard Septimus 7160, and Ruth R. Wisse 3177

Early Iranian Civilizations

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). Hours to be arranged.

Introduction to and readings in Mazdaism/Zoroastrianism (on the basis of translated texts).

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3663a.

Early Iranian Civilizations 103. Manicheism

Catalog Number: 2604

P. Oktor Skjaervo

Half course (fall term). F., 12–2. EXAM GROUP: 5, 6

Introduction to and readings in Iranian Manicheism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3580.

[Early Iranian Civilizations 104. The Zoroastrian Religion]

Catalog Number: 2996

James R. Russell

Half course (spring term). Hours to be arranged.

A survey of the pre-Islamic religion of the Iranian and Armenian peoples, based upon the Gathaas of Zarathustra, the Old Persian inscriptions, Pahlavi texts, and materials of surrounding countries, particularly the Hebrew Bible (Genesis, Prophets, Esther, Daniel, Tobit, etc.)

Particular attention will be given to the forms of living Zoroastrianism in modern India and Iran.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3585.

Islamic Civilizations

See also below under Arabic, Iranian, and Turkish.

For Undergraduates and Graduates

[Islamic Civilizations 120. The City in North African History]

Catalog Number: 0686

Susan G. Miller

Half course (fall term). Hours to be arranged.

A survey of the city in Maghribi history from 1500 to the present, with the emphasis on the interaction of urban form and social praxis—the city as a religious space, performance/ritual space, domestic and monumental space. Topics include: Islamic urban morphology; the



Maghribi city through Western eyes; the politics of colonial design; modernity and urban change; the city and memory; the post-colonial city in popular literature.

Note: Expected to be given in 2001–02.

Islamic Civilizations 121. North Africa, 1500 to the Present

Catalog Number: 6224

Susan G. Miller

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An initiation to North African (Maghribi) history, surveying the evolution of relations between state and society from the late medieval period to the present and emphasizing the specificity of the North African experience. Topics include: Maghribi space and society in the medieval literature; saint worship and sultanic authority; society viewed through the literature of captivity; the 19th-century encounter with the West; race and caste in the colonial era; the Algerian revolution in essay, film and fiction; post-colonial political change.

[Islamic Civilizations 124. Central Asian Culture and Society]

Catalog Number: 3927 Enrollment: Limited.

John S. Schoeberlein

Half course (spring term). Hours to be arranged.

The course explores the diversity and continuity in contemporary Central Asian culture and society and their historical roots. After building a basis of knowledge of the pre- and early-modern history of the region and of its contemporary political context and institutions, the course will approach Central Asian culture, social structure and everyday life from a variety of angles. These will include perspectives available in various types of literature on the region, including the travel accounts of travelers to the region from pre-modern to recent time, indigenous literary folklore traditions, 19th-century orientalist scholarship, and contemporary scholarly approaches. The course will draw on ethnographic accounts to develop a rich picture of the social meaning and cultural context of ways of life (from the historical caravan trade and pastoral nomadism to contemporary collective farm and urban life), community rituals, social institutions, religious practices, moral sensibilities and aesthetic traditions.

Note: Expected to be given in 2001–02. Intended primarily for advanced undergraduates and graduate students; some background in the Near East and/or the former Soviet Union desirable.

[Islamic Civilizations 125. History and Culture of Islamic Peoples of the Former Soviet Union]

Catalog Number: 0646 Enrollment: Limited.

John S. 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 territories falling under Russian dominion by the 19th century that are inhabited by peoples which are culturally more akin to Asia and the Islamic Middle East than to Europe: Central Asia, the Caucasus, and southern Russia. Themes include the background of Iranian, Turkic and Islamic culture, problems of induced cultural change (Russification/Europeanization/modernization), social transformation under the establishment and dissolution of Russian rule and the Communist system, the institutionalization of national identities, and changing family and community organization.



Note: Expected to be given in 2001–02. Intended primarily for graduates and advanced undergraduates; some background in the Near East and/or the Soviet Union desirable.

Islamic Civilizations 145 (formerly Arabic 145). Islamic Philosophy and Theology

Catalog Number: 0292

Robert Wisnovsky

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An introduction to some of the more important philosophical and theological problems that have preoccupied Muslim intellectuals from the 8th to the 20th centuries. Points of conflict amongst philosophers and theologians will be examined in detail. These include the Qur'an's createdness, God's causation of human acts, the primacy of human reason, the world's eternity, the survival of human souls, and God's ability to intervene in the natural order. The impact of European thought on 19th- and 20th-century Islamic intellectual history will also be examined. Finally, we will try to determine how "Islamic" Islamic philosophy and theology are, and how useful they might be to Muslims today.

Note: No knowledge of Arabic required. Offered jointly with the Divinity School as 3602.

Islamic Civilizations 160. The Meanings of Islam in Central Asia

Catalog Number: 8678

John S. Schoeberlein

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The course will examine the changing role of Islam in Central Asia through history from a multidisciplinary perspective. Central Asia is on the margins of the Islamic world, though integral to it, and the course will consider the ways that regions' position on the transcontinental trade routes and desert-oasis borderlands have led to particular expressions of the processes which are common to the Islamic world more widely. It will also look at the process of modernization and the role of Islam in the Russian and Soviet imperial contexts.

Note: Primarily for graduate students and advanced undergraduates. Some background in Central Asia and/or Islamic civilizations preferable.

Cross-listed Courses

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

History 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 1884. Introduction to Archival Research in Ottoman History: Proseminar]

[History 1889. Transmission of Traditional Islamic Learning in the Middle East from the Beginning of Islam to the Present]

[Religion 1551. For the Love of God and His Prophet: Literary and Artistic Expressions of Muslim Devotional Life: Seminar]

[Religion 1555. Introduction to Islamic Mysticism: The Sufi Tradition]

[*Religion 1585. Islam in South Asia: Seminar]

Primarily for Graduates



***Islamic Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar**

Catalog Number: 5918

Laila Parsons

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Interdisciplinary seminar designed primarily for students in the first semester of the Center for Middle Eastern Studies A.M. program, although open to all first-year graduate students in Middle Eastern Studies and related fields. Students are introduced to the major disciplines that constitute Middle Eastern Studies, including History, Political Science, Anthropology, Literature and Islamic Studies. Faculty members who are specialists in these disciplines will serve as guest lecturers.

Note: Required for students pursuing the A.M. in Middle Eastern Studies.

Islamic Civilizations 200b. Middle Eastern Studies Research Project Seminar

Catalog Number: 9274

Laila Parsons

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Interdisciplinary seminar designed primarily for students in the final semester of the Center for Middle Eastern Studies A.M. program, although open to A.M. students in related fields. Students are required to expand a short paper already written for another course in Middle Eastern Studies into a long research paper, and to present the results of their research to the seminar. Students are also required to read the materials provided by the presenters in advance of their presentations, and to critique those presentations.

Note: Recommended but not required for students pursuing the A.M. in Middle Eastern Studies.

[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam]

Catalog Number: 7515

Ali S. Asani

Half course (fall term; repeated spring term). Hours to be arranged.

A seminar for graduate students focusing on current scholarship on Islamic civilization in South Asia.

Note: Expected to be given in 2001–02. 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

William E. Granara 1054 (spring term only), Ali S. Asani 7739 (on leave 2000-01), William A. Graham, Jr. 4156, 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*).

[Armenian Studies 102. Armenian Civilization]

Catalog Number: 6070

James R. Russell

Half course (fall term). Hours to be arranged.

An introduction to the history, traditions, religion, and literature of the Armenian people from the earliest times to the Middle Ages.

Note: Expected to be given in 2001–02. No knowledge of Armenian is required.

Armenian Studies 200r. Guided Readings in Armenian Studies

Catalog Number: 8105

James R. Russell

Half course (fall term). Hours to be arranged.

Cross-listed Courses

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 (formerly Akkadian 230a, and 230b). Elementary Akkadian

Catalog Number: 4891

Piotr Steinkeller and assistants.

Full course (indivisible). M., W., F., at 9. EXAM GROUP: 2

Introduction to the fundamentals of Akkadian grammar and the most commonly encountered Old Babylonian and Neo-Assyrian cuneiform signs.

Akkadian 120. Intermediate Akkadian

Catalog Number: 3724

John Huehnergard (fall term) and Piotr Steinkeller (spring term)

Full course (indivisible). Fall: Tu., Th., at 12; Spring: Tu., Th., at 2. EXAM GROUP: Fall: 16, 17; Spring: 16

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 140a. Akkadian Historical Texts]

Catalog Number: 3737

Paul-Alain Beaulieu

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 140b. Akkadian Historical Texts]

Catalog Number: 4748

Paul-Alain Beaulieu

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 141r. Akkadian Myths and Epics]

Catalog Number: 6930

Peter Machinist

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[Akkadian 142. Akkadian Hymns and Prayers]

Catalog Number: 6387

Paul-Alain Beaulieu

Half course (spring term). Hours to be arranged.

Readings from the various genres of Akkadian hymns and prayers, with particular emphasis on the genre of *shuilla* prayers. In the course of the 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 2001–02.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.



[Akkadian 143. Neo-Babylonian Archival Texts]

Catalog Number: 7434

Paul-Alain Beaulieu

Half course (fall term). Hours to be arranged.

Readings from letters and legal and administrative documents dated to Neo- and Late Babylonian periods (c. 750–100 B.C.). The goal of the course is to learn how to use these documents as sources for the culture and social and economic history of Babylonia in that period.

Note: Expected to be given in 2001–02.

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 2001–02.

[Akkadian 145. Akkadian Incantations and Rituals]

Catalog Number: 6533

Paul-Alain Beaulieu

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 148. Akkadian Letters]

Catalog Number: 0975

John Huehnergard

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Prerequisite: Akkadian A.

Akkadian 149. Akkadian Legal and Economic Texts

Catalog Number: 6703

Piotr Steinkeller

Half course (fall term). Th., 2–5. EXAM GROUP: 16, 17, 18

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 2001–02.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 153. Old Akkadian]

Catalog Number: 8334

Piotr Steinkeller



Half course (fall term). Hours to be arranged.

Readings in representative historical, epistolary, literary, and economic texts with emphasis on the grammar.

Note: Expected to be given in 2001–02.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Akkadian 154a. Peripheral Akkadian

Catalog Number: 2416

Piotr Steinkeller

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Expected to be omitted in 2001–02.

Prerequisite: Two full courses in Akkadian.

[Akkadian 155r. Akkadian Historical Grammar and Dialectology]

Catalog Number: 0232

John Huehnergard

Half course (fall term). Hours to be arranged.

Topic for 2000–01: To be announced.

Note: Expected to be given in 2001–02.

Prerequisite: Two full courses in Akkadian.

Primarily for Graduates

[Akkadian 200r. Readings in Akkadian: Seminar]

Catalog Number: 2970

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[Akkadian 210ar (formerly Near Eastern Languages 294a). Mesopotamian History: Seminar]

Catalog Number: 8072

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[Akkadian 210br. Mesopotamian History: Seminar]

Catalog Number: 6737

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Graduate Courses of Reading and Research

***Akkadian 300. Akkadian Language and Literature**

Catalog Number: 2233



Paul-Alain Beaulieu 3708 (on leave 2000-01) (fall term only), John Huehnergard 7697, Peter Machinist 2812 (on leave fall 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. EXAM GROUP: Fall: 14; Spring: 16

Introduction to the Sumerian language with emphasis on grammatical structure.

Note: Expected to be given in 2001–02.

[Sumerian 120. Intermediate Sumerian]

Catalog Number: 2573

Paul-Alain Beaulieu and assistant

Full course. Hours to be arranged.

Note: Expected to be given in 2001–02.

Prerequisite: Knowledge of basic Sumerian grammar, vocabulary, and cuneiform script.

[Sumerian 140. Sumerian Historical Texts]

Catalog Number: 2956

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[Sumerian 141. Sumerian Myths and Epics]

Catalog Number: 3736

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[Sumerian 145. Sumerian Incantations and Rituals]

Catalog Number: 5259

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Sumerian 146. Sumerian Religious Literature

Catalog Number: 2605

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

[Sumerian 149. Sumerian Legal and Economic Texts]

Catalog Number: 8820



Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[Sumerian 160. Sumerian and Akkadian Bilingual Texts]

Catalog Number: 5027

Paul-Alain Beaulieu

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Primarily for Graduates

[Sumerian 200r. Readings in Sumerian: Seminar]

Catalog Number: 7496

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

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

Ayman A. El-Desouky, Stephanie Bowie Thomas 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 2001–02. Some knowledge of Arabic helpful but not required.

Arabic 120a. Intermediate Classical Arabic

Catalog Number: 1106

Aron Zysow

Half course (fall term). M. through F., at 10. EXAM GROUP: 3, 12

A thorough review of classical Arabic grammar with emphasis on reading and writing, with some discussion in Arabic in class for vocabulary and structure reinforcement. Readings will focus on medieval Arabic historiography: biographical dictionaries, chronicles, and geography/“travel” literature. Contemporary texts dealing with “classical” themes will form part of the syllabus to help students develop better reading fluency.

Prerequisite: Arabic A or equivalent.

Arabic 120b. Intermediate Classical Arabic

Catalog Number: 0597

William E. Granara and assistant

Half course (spring term). M., through F., at 10. EXAM GROUP: 3, 12

Continuation of Arabic 120a.

Arabic 121a. Intermediate Modern Arabic

Catalog Number: 0973

William E. Granara and assistant

Half course (fall term). M., through F., at 11. 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

William E. Granara and assistant.

Half course (spring term). M., through F., at 11. EXAM GROUP: 4, 13

A continuation of Arabic 121a.

Arabic 130a. Advanced Classical Arabic

Catalog Number: 4591

Stephanie Bowie Thomas and assistant

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, *hadith*, *sira*, and *tafsir* literature; directed readings and textual analysis; review of classical Arabic morphology and syntax.

Arabic 130b. Advanced Classical Arabic

Catalog Number: 2964

Stephanie Bowie Thomas and assistant

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Continuation of Arabic 130a or may be taken separately with permission of the instructor.

Readings from corpus of “Adab” (Belles-Lettres) literature, as well as various pieces of classical Arabic secular prose and poetry.

Arabic 131a. Advanced Modern Arabic

Catalog Number: 0739

Ayman A. El-Desouky and assistant.

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Reading and discussion of selections from Arabic newspapers and journals on contemporary political, social, religious, and cultural issues in the Arab world. Emphasis on developing advanced reading and speaking skills, with some attention to writing and listening comprehension.

Arabic 131b. Advanced Modern Arabic

Catalog Number: 0697

Ayman A. El-Desouky and assistant.

Half course (spring term). M., W., F., at 1, and two additional hours to be arranged. EXAM GROUP: 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 2001–02.

Prerequisite: Arabic 120b or equivalent.

Arabic 141. Introduction to the Hadith

Catalog Number: 0705

William A. Graham, Jr.

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Introduction to and selected readings in the Hadith literature.

Prerequisite: Arabic 120b or permission of instructor.



[Arabic 144. Sources for the Study of Islamic History]

Catalog Number: 3450

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

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 Arabic, 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 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 2001–02. Knowledge of Arabic an advantage, but not required.

[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 2001–02.

Arabic 161. Classical Arabic Grammarians on Arabic

Catalog Number: 6820

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Primarily for Graduates

Arabic 210r. Modern Arabic Literature and Criticism: Seminar

Catalog Number: 7725

Gaber Ahmed Asfour (Cairo University)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Topic for 2000-2001: The Contemporary Novel and Narratives of Oppression.

Note: All readings will be in English. Knowledge of Arabic useful but not necessary.

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 *‘ulum al-lugha* (fall) and *‘ulum al-din* (spring).

Note: This constitutes the fourth and final year of the Classical Arabic track.

Arabic 241a. Modern Arabic Literature

Catalog Number: 3309

Ayman A. El-Desouky

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This constitutes the final year of Modern Arabic track. Representative readings from contemporary literature and culture will form bases of discussions on major themes in contemporary Arab society.

Note: Conducted in Arabic.

Prerequisite: Advanced proficiency in Arabic.

Arabic 241b. Modern Arabic Literature

Catalog Number: 6399

Gaber Ahmed Asfour (Cairo University)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A continuation of Arabic 241a.

[Arabic 245r. Classical Arabic Literature: Seminar]

Catalog Number: 4854

Wolfhart P. Heinrichs

Half course (fall term). Hours to be arranged. EXAM GROUP: 8

Note: Expected to be given in 2001–02.

Arabic 248r. Medieval Arabic Writings on Grammar and Literary Theory: 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 (or with literature, depending on the interests of those who wish to take the course). 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). Hours to be arranged.

Selected readings from *falsafa* literature. Topic for 2001–02: To be announced.

Note: Expected to be given in 2001–02.

Prerequisite: Two years of Arabic or equivalent.



Arabic 250r. Arabic Theological Texts: Seminar

Catalog Number: 7849

Robert Wisnovsky

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Selected readings from *kalam* literature. Topic for 2000–01: Maturidism.

Note: Offered jointly with the Divinity School as 3883.

Prerequisite: Reading knowledge of Arabic.

[Arabic 252. Arabic in the Context of the Semitic Languages: Workshop]

Catalog Number: 6146

Wolfhart P. Heinrichs and John Huehnergard

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Prerequisite: Two years of Arabic or special permission of the instructors.

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 (on leave fall term), Wheeler M. Thackston, Jr. 4004, and Robert Wisnovsky 2229

Aramaic

For Undergraduates and Graduates

See also Ancient Near East and Biblical Studies, Jewish Studies, and Early Iranian Civilizations.

[Aramaic B. Targumic Aramaic]

Catalog Number: 4720

Gary Anderson (Divinity School)

Half course (fall term). Hours to be arranged.

Basic grammar of the Targum Onqelos, with selected readings. In addition, there will be some comparative use of Targum Neophyti and a consideration of the genre and function of the literary form “Targum.”

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 4060.

[Aramaic C (formerly Aramaic Ca/Cb). 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 2001–02. Offered jointly with the Divinity School as 4109.



Aramaic 124a. Readings in Syriac I

Catalog Number: 5557

J. F. Coakley

Half course (fall term). Hours to be arranged.

Historical and theological texts, and early poetry.

Note: Offered jointly with the Divinity School as 4112.

Prerequisite: Aramaic C or equivalent.

Aramaic 124b. Readings in Syriac II

Catalog Number: 0103

J. F. Coakley

Half course (spring term). Hours to be arranged. EXAM GROUP: 7, 8, 9

Special attention to exegetical texts and to reading manuscripts.

Note: Offered jointly with the Divinity School as 4113.

Prerequisite: Aramaic C or equivalent.

[Aramaic 128. Introduction to Turoyo]

Catalog Number: 3747

Wolfhart P. Heinrichs

Half course (spring term). To be arranged.

Note: Expected to be given in 2001–02.

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 and Jo Ann Hackett 2389

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). Hours to be arranged.

Armenian 241r. Readings in Modern Armenian Literature

Catalog Number: 8746

James R. Russell

Half course (fall term). Hours to be arranged.

Graduate Courses of Reading and Research

***Armenian 300. Armenian Language and Literature**

Catalog Number: 0240

James R. Russell 3411

Ethiopic

For Undergraduates and Graduates



Ethiopic A. Introduction to Classical Ethiopic (Ge'ez)

Catalog Number: 7667

John Huehnergard

Full course (indivisible). Tu., Th., at 1. EXAM GROUP: 15

Note: Offered jointly with the Divinity School as 4090.

Ethiopic 120ar. Readings in Classical Ethiopic (Ge'ez) Texts I

Catalog Number: 0231

John Huehnergard

Half course (fall term). Hours to be arranged.

Prerequisite: Ethiopic A.

Ethiopic 120br. Readings in Classical Ethiopic (Ge'ez) Texts II

Catalog Number: 0390

John Huehnergard

Half course (spring term). Hours to be arranged.

Prerequisite: Ethiopic A.

Graduate Courses of Reading and Research

***Ethiopic 300. Ethiopian Semitic Language and Literature**

Catalog Number: 5135

John Huehnergard 7697

Hebrew

See also Ancient Near East and Biblical Studies and Jewish Studies.

Language Courses

For Undergraduates and Graduates

Classical Hebrew A. Elementary Classical Hebrew

Catalog Number: 8125

Jo Ann Hackett

Full course. M., W., F., at 10. EXAM GROUP: 3

A thorough and rigorous introduction to Biblical Hebrew, with emphasis on grammar, in preparation for translation of biblical prose. Daily preparation and active class participation mandatory. Readings in the Hebrew Bible/Old Testament begin in the first 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

Review of grammar; readings in prose books.

Note: Offered jointly with the Divinity School as 4020.

Prerequisite: Classical Hebrew A or equivalent.

Classical Hebrew 120b. Intermediate Classical Hebrew II

Catalog Number: 8494

Jo Ann Hackett and assistant

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

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). W., 1–3. EXAM GROUP: 6, 7

Note: Offered jointly with the Divinity School as 1626/4031.

Prerequisite: Classical Hebrew 130a or equivalent.

Classical Hebrew 138. Historical Grammar of Biblical Hebrew

Catalog Number: 4415

John Huehnergard

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Prerequisite: Classical Hebrew 130, or equivalent.

[Classical Hebrew 238r. Advanced Study of Historical Hebrew Grammar]

Catalog Number: 9997

Jo Ann Hackett and John Huehnergard

Half course (spring term). Hours to be arranged.

Reading of major sections of the Biblical corpus with emphasis on historical linguistic issues.

Note: Expected to be given in 2001–02.

Prerequisite: Classical Hebrew 130b and either Classical Hebrew 138 or Semitic Philology 140.

Modern Hebrew B. Elementary Modern Hebrew

Catalog Number: 4810

Miri Kubovy, Irit Aharony, and Rina Winkelman

Full course (indivisible). Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 3. EXAM GROUP: Fall: 5, 14; Spring: 2

For students with no previous instruction in Hebrew and for those who have had some



unsystematic exposure to the language. Emphasis on developing skills necessary for fluent reading, speaking, and writing basic sentences in all tenses. Grammar is taught through the Israeli "Top 40."

Note: Offered jointly with the Divinity School as 4015.

Modern Hebrew 120a. Intermediate Modern Hebrew I

Catalog Number: 1711

Miri Kubovy, Irit Aharony, and Rina Winkelman

Half course (fall term). Section I: M. through F., at 1. Section II: M. through F., at 2. EXAM GROUP: 6, 15

For students with basic understanding of modern Hebrew grammar and some experience in reading. Emphasis on rapid reading of contemporary newspapers, magazines, short stories, and poetry.

Note: Conducted primarily in Hebrew. Offered jointly with the Divinity School as 4040.

Prerequisite: Modern Hebrew B or passing of special departmental placement test.

***Modern Hebrew 120b. Intermediate Modern Hebrew II**

Catalog Number: 2563

Miri Kubovy, Irit Aharony, and Rina Winkelman

Half course (spring term). Section I: M. through F., at 1. Section II: M. through F., at 2. EXAM GROUP: 6, 15

Continuation of Modern Hebrew 120a. Selected readings from 20th-century Hebrew literature prose, poetry, and drama. The linguistic analysis of the texts is followed by a literary discussion as well as an examination of the individual works in relation to various trends in modern Hebrew culture.

Note: Conducted primarily in Hebrew. Offered jointly with the Divinity School as 4041.

Modern Hebrew 130r (formerly Modern Hebrew 130a). Advanced Modern Hebrew: Contemporary Israeli Culture

Catalog Number: 8127

Miri Kubovy and Irit Aharony

Half course (fall term). Tu., 7–9 p.m. EXAM GROUP: 18

Surveys typical examples of contemporary Israeli culture: novels, short stories, poetry, feminist literature, Holocaust literature, literary and political journals and magazines, theater and films, rock music from the Top 40, all representing current cultural trends and expressing attitudes toward social and political issues.

Note: Conducted in Hebrew. All texts will be read in Hebrew. Offered jointly with the Divinity School as 4045.

Prerequisite: Modern Hebrew 120a, 120b or equivalent.

Modern Hebrew 131r. Advanced Modern Hebrew: Hebrew of the Media: Press, TV, and Radio

Catalog Number: 1940

Rina Winkelman

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8, 9

Will introduce students of Hebrew language and literature courses to a central aspect of the



language as practiced in the media, both orally and in writing, on radio and television broadcasts and in newspapers and magazines. In Hebrew, more than in other languages, the language of the media differs considerably: it uses terminology, vocabulary and syntactic structures which are unique to these fields, which both express and influence meaningful trends in culture and society. Samples will be presented from Israeli TV, radio and daily newspapers.

Note: Conducted in Hebrew. Offered jointly with the Divinity School as 4047.

Prerequisite: Modern Hebrew 120a, 120b, or equivalent.

[Modern Hebrew 155. Masterpieces of Contemporary 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, film and essays which represent major trends in Israeli social and cultural life. The main subjects include the Holocaust; feminism; Americanization; the quest for normalcy; the departure from Zionist ideology; the genre of eternal childhood; and the polarities between Arabs and Jews, Sephardi and Ashkenazi Jews, poor and rich, orthodox and secular, and right and left political camps. Among the authors to be discussed: S.Y. Agnon (Nobel Prize 1966), Amos Oz, A.B. Yehoshua, David Grossman, Yehudah Amichai, Yonah Wollach, and Orly Castel-Bloom.

Note: Expected to be given in 2001–02. This course will be conducted in English.

Literature and History Courses

For Undergraduates and Graduates

[Hebrew 142. The Dead Sea Scrolls]

Catalog Number: 6753

James L. Kugel

Half course (fall term). Hours to be arranged.

A survey of the main texts discovered at Qumran and their importance for an overall understanding of Judaism toward the end of the biblical period.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1431..

Prerequisite: A reading knowledge of biblical Hebrew.

[Hebrew 150a (formerly Hebrew 150). 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 2001–02.

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). Tu., 2–4. EXAM GROUP: 16, 17

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.

Prerequisite: Hebrew 150a or permission of the instructor.

[Hebrew 153. Midrash Seminar]

Catalog Number: 3397

James L. Kugel

Half course (fall 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 2001–02. Offered jointly with the Divinity School as 1840.

Prerequisite: A good reading knowledge of Mishnaic Hebrew.

[Hebrew 156. Readings in Medieval Judeo-Arabic]

Catalog Number: 1363

Bernard Septimus

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Prerequisite: Reading knowledge of Arabic and Hebrew.

Hebrew 157. Introduction to Medieval Hebrew Poetry

Catalog Number: 9010

Joseph Yahalom (The Hebrew University)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Introduction to medieval Hebrew poetry in its main phases through its main genres. The course will cover liturgical poetry, and secular poetry as well as attitudes towards poetry and the larger cultural background.

Prerequisite: Intermediate reading knowledge of Hebrew.

[Hebrew 165. Maimonides' *Book of Knowledge* and its Medieval Critics]

Catalog Number: 3393

Bernard Septimus

Half course (fall term). Hours to be arranged.

The interplay of law and philosophy in the first book of Maimonides' Code. Topics include: language; organization; legal theory; use of sources; theology; curricular ideals; historical thought; ethics; eschatology; the relationship of the *Book of Knowledge* to other works by Maimonides; the role of the *Book of Knowledge* in the Maimonidean Controversy of the 13th century.



Note: Expected to be given in 2001–02.

Prerequisite: A good reading knowledge of Hebrew.

Hebrew 166. Topics in the History of Talmud Study

Catalog Number: 6457

Jay M. Harris and Bernard Septimus

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An examination of changing methods of Talmud study, focusing on the interpretive history of selected passages of the Babylonian Talmud.

[Hebrew 168. Medieval Hebrew Poetry]

Catalog Number: 2715

Bernard Septimus

Half course (spring term). Hours to be arranged.

Close reading of selected classics of late-antique piyyut and of the Spanish “golden age.” In addition to literary analysis, focuses on: the relationship of early piyyut to the classical liturgy and to midrashic culture; the social and religious functions of Hispano-Hebrew poetry and its intellectual context.

Note: Expected to be given in 2001–02.

Prerequisite: Reading knowledge of Hebrew.

Hebrew 169. The Bavli and the Yerushalmi

Catalog Number: 2226

Jay M. Harris

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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.

[Hebrew 171. The Problem of Language in Medieval Jewish Thought]

Catalog Number: 7205

Bernard Septimus

Half course (spring term). Hours to be arranged.

The status and significance of language generally and Hebrew, in particular, viewed from a variety of perspectives in texts from several genres (exegetical, linguistic, literary, legal, philosophical and mystical) ranging chronologically from late antiquity through the Renaissance.

Note: Expected to be given in 2001–02.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages]

Catalog Number: 8693

Bernard Septimus

Half course (fall 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 2001–02.

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). W., 3–5.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 184. Jewish Bible Commentary in the Modern Period]

Catalog Number: 5236

Jay M. Harris

Half course (spring term). Hours to be arranged.

A study of Jewish Bible commentaries in the late 18th and 19th centuries that seeks to introduce the student to the wide range of Jewish Bible commentary in this period. Commentators 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 2001–02. Offered jointly with the Divinity School as 3688.

[Hebrew 194. Literature and Ideology in Jewish Eastern Europe]

Catalog Number: 2015

Marcus Moseley

Half course (spring term). Hours to be arranged.

An examination of the nexus of ideology and literary aesthetics in the secular discourse of Eastern European Jews. Starting with the poetics of the early ideologues of the Haskalah in late 18th-century Berlin, varying formulations of the role and nature of literature will be studied against the background of the changing socio-cultural circumstances of the Jews in Eastern Europe, culminating in consideration of the echoes of these literary debates in contemporary Israel. Readings will be in Hebrew and Yiddish, including D. Sadan, A. Kovner, Bal-makhshoves (Eliashev), M. Y. Berdichevsky, Y. Ratosh.

Note: Expected to be given in 2001–02.

Hebrew 195. The Literature of the Modern Hebrew Renaissance (Tehiyyah)

Catalog Number: 2298

Marcus Moseley

Half course (fall term). Th., 4–6. EXAM GROUP: 18

An introduction to the leading prose writers and poets of the “Renaissance” period of modern Hebrew literature. The origins and validity of the notion that the period from the 1890’s to the 1917 revolution marked a Hebraic cultural renaissance in Jewish Eastern Europe will also be examined. Equal attention will be paid to belletristic prose, poetry and publicistic writings.

Writers include H. N. Bialik, S. Tschernikowsky, Y. H. Brenner, D. Frishman, U. N. Gnessin.

Note: Primary readings are in Hebrew; lectures are in English.

Cross-listed Courses



Comparative Literature 103r. Literature and Politics: The Case of Zionism

[Comparative Literature 104. Jewish Autobiography from the Renaissance to the 20th Century]

History 1585. 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

Gary Anderson (Divinity School) and Lawrence E. Stager; Paul D. Hanson (Divinity School), and Jo Ann Hackett

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2000–01: The United Monarchy: A consideration of literary, historical, archaeological and theological factors in the emergence of the Davidic Dynasty. In addition to common secondary reading, faculty lectures, and student research papers, students will be expected to master [and be examined on] the Hebrew original from I Sam 15 through I Kings 11.

Note: Intended primarily for doctoral students. Offered jointly with the Divinity School as 1810.

Hebrew 208r. Literature of Israel: Seminar

Catalog Number: 1356

Peter Machinist

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Topic for 2000–2001: The Book of Exodus.

Prerequisite: Advanced reading knowledge of biblical Hebrew. Also, acquaintance with other relevant ancient and modern languages desirable.

Hebrew 209r. Literature of Israel: Seminar

Catalog Number: 1326

James L. Kugel

Half course (fall term). Hours to be arranged. EXAM GROUP: 8, 9

Topic for 2000–01: Ecclesiastes

Note: Offered jointly with the Divinity School as 1824.

Prerequisite: Good reading knowledge of biblical Hebrew.

[Hebrew 210r. Literature of Israel: Seminar]

Catalog Number: 6322 Enrollment: Limited to 10.

Paul D. Hanson (Divinity School)

Half course (fall term). Hours to be arranged.

Topic for 2000–01: Haggai, Zechariah, and Malachi. Close exegetical study, utilizing text-, literary-, and form-criticism, with attention to the location of these books in their Judean and Persian historical settings and their place in the development of the history of Israelite religion.



Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1820.

Prerequisite: Reading knowledge of biblical Hebrew.

[Hebrew 215r. Readings in the Book of Biblical Antiquities and Other Second Temple

Texts: Seminar]

Catalog Number: 4083

James L. Kugel

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Prerequisite: Knowledge of biblical Hebrew required; Latin appreciated but not required.

[Hebrew 216. Hebrew Language and Texts of the Post-Exilic Period]

Catalog Number: 2137

Half course (fall term). Hours to be arranged.

Examines a series of Hebrew texts extending from the Babylonian exile to early rabbinic writings, with attention both to the linguistic character of the texts surveyed and to the world of ideas exhibited therein. Texts include parts of Ezekiel; Chronicles; Ecclesiastes; Ben Sira; Qumran documents; Mishnah. Latter part of the course specifically designed to articulate transition to Mishnaic Hebrew.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1823.

Prerequisite: Reading knowledge of biblical Hebrew.

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar]

Catalog Number: 5883

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

An introduction to the use of the Jewish biblical commentaries of the Middle Ages as a resource for the modern exegete. Primary readings include a Torah chapter with the comments of several of the following figures: Rashi, Rashbam, Ibn Ezra, Radaq, Chizquni, Ramban, Seforno, and Abarbanel. Some discussion of the relationship of the hermeneutical presuppositions of these figures to those of the distinctively modern forms of biblical study.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1836.

Prerequisite: Three years of college-level Hebrew (any period). Not a course for students with a weak control of Hebrew grammar.

Hebrew 218. Joseph and Esther: Seminar

Catalog Number: 0880

Jon D. Levenson (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A close critical reading of Genesis 37-50 and the Book of Esther in Hebrew. Emphasis on the literary design and religious message of each work and on the influence of the story of Joseph upon the Book of Esther.

Note: Expected to be omitted in 2001–02. 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 (fall term). W., 3–5. EXAM GROUP: 8, 9

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 2001–02. 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 227. Readings in Medieval Hebrew Poetry

Catalog Number: 4333

Joseph Yahalom (The Hebrew University)

Half course (spring term). W., 1–3.

An in-depth look at the rise and development of the Hebrew poetry in Medieval Spain, both sacred and profane. The course will begin with the Arabic style Hebrew meters by Dunash and continue to the golden age of Hebrew literature: Hanagid, Gabirol, Moshe Ibn Ezra and Halevi. The course will conclude with rhymed prose compositions of such authors as Juda Alharizia.

Prerequisite: A good reading knowledge 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. Emphasis on the acquisition of the textual skills necessary for studying midrash and on the role of Abraham in rabbinic theology. Comparison with other primary sources about Abraham from Second Temple Judaism and the New Testament, presented in English.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1803/3871.

Prerequisite: Sound reading knowledge of Hebrew (any period).

[Hebrew 231. Genesis 12-23: Seminar]

Catalog Number: 1109

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

A close critical reading of Genesis 12-23 in Hebrew. Emphasis on literary design and religious



message of this section of the story of Abraham and his family. Students will make presentations about historical, literary, and theological aspects of the material.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1809.

Prerequisite: An introductory course in critical biblical studies and three years of Hebrew or the equivalent.

[Hebrew 245. Early Biblical Interpretation: Seminar]

Catalog Number: 6731

James L. Kugel

Half course (spring term). 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 2001–02. Offered jointly with the Divinity School as 1804.

Prerequisite: A good reading knowledge of biblical Hebrew.

[Hebrew 250. Jewish Autobiography]

Catalog Number: 4097

Marcus Moseley

Half course (spring term). Hours to be arranged.

Jewish autobiographical texts from the Renaissance to the late 20th century will be examined in the light of contemporary theoretical and critical perspectives. Authors include Y. A. Modena, Y. Emden, M. L. Lilienblum, M. A. Gunzberg, Y. L. Peretz, Mendele Mokher Sefarim (S. Y. Abramovich), S. Y. Agnon. All primary readings will be in Hebrew and Yiddish; lectures are in English.

Note: Expected to be given in 2001–02.

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 spring term), Peter Machinist 2812 (on leave fall term), and Lawrence E. Stager 1468 (on leave spring term)

***Hebrew 350. Postbiblical Hebrew Language and Literature**

Catalog Number: 4408

Jay M. Harris 2266, James L. Kugel 7575 (on leave spring 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 omitted in 2001–02. Expected to be given in 2002–03.

[Iranian B. Introduction to Avestan]

Catalog Number: 3936

P. Oktor Skjaervo

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2001–02.

[Iranian 120. Sorani Kurdish]

Catalog Number: 4915

Wheeler M. Thackston, Jr.

Half course (fall term). Hours to be arranged.

Introduction to Sorani Kurdish.

Note: Expected to be given in 2001–02.

[Iranian 121r. Readings in Sorani Kurdish]

Catalog Number: 3037

Wheeler M. Thackston, Jr.

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Cross-listed Courses

Linguistics 221r. Workshop in Indo-European

Primarily for Graduates

Iranian 205r. Advanced Reading in Old Iranian Texts

Catalog Number: 7373

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Prerequisite: Two years of study in old Iranian language.

Graduate Courses of Reading and Research

***Iranian 300. Reading and Research in Iranian Languages and Literatures**

Catalog Number: 8155

P. Oktor Skjaervo 2869 (on leave spring term) 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.

Note: Expected to be given in 2001–02.

Graduate Courses of Reading and Research

***Persian 300. Persian Language and Literature**

Catalog Number: 6962

Wheeler M. Thackston, Jr. 4004 and Roy Mottahedeh 1454 (on leave fall term)

Semitic Philology

For Undergraduates and Graduates

[Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages]

Catalog Number: 8602

John Huehnergard

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2001–02.

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 2001–02.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140.

Semitic Philology 152. Introduction to Ugaritic

Catalog Number: 2777

Jo Ann Hackett and assistant

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Introduction to Ugaritic grammar, with readings in mythological, epistolary, and administrative texts.

Prerequisite: Semitic Philology 140 or equivalent.

[Semitic Philology 170. Old South Arabian]

Catalog Number: 8199

John Huehnergard

Half course (fall term). Hours to be arranged.

Grammar and readings in Old South Arabian inscriptions.

Note: Expected to be given in 2001–02.

Prerequisite: Semitic Philology 140 and knowledge of either Classical Ethiopic or Classical Arabic.



Cross-Listed Courses

Primarily for Graduates

Semitic Philology 200r. Comparative Semitic Grammar: Seminar

Catalog Number: 0168

John Huehnergard

Half course (spring term). Hours to be arranged.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140 or equivalent.

Semitic Philology 220r. Northwest Semitic Epigraphy: Seminar

Catalog Number: 2948

Jo Ann Hackett

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Topic for 2000-01: Ugaritic Texts

Prerequisite: Semitic Philology 152.

Semitic Philology 230. The Early History of Northwest Semitic

Catalog Number: 3959

John Huehnergard

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

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 (formerly Swahili Aab). Elementary Swahili]

Catalog Number: 6439

Ali S. Asani and assistant

Full course (indivisible). Hours to be arranged.

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: Expected to be given in 2001–02. Not open to auditors.

Swahili 120ar. Readings in Swahili

Catalog Number: 5026

William E. Granara and assistant

Half course (fall term). Hours to be arranged.

Prerequisite: Swahili Aab or equivalent.

Swahili 120br. Readings in Swahili

Catalog Number: 4270

William E. Granara and assistant

Half course (spring term). Th., 3–4:30, Tu., 3:30–5. EXAM GROUP: 17, 18

Prerequisite: Swahili 120ar or equivalent.

Turkish

See also above under Near Eastern Civilizations; Islamic Civilizations.

For Undergraduates and Graduates

Turkish A. Elementary Modern Turkish

Catalog Number: 2527

F. Engin Sezer

Full course (indivisible). M. through F., at 10. EXAM GROUP: 3, 12

Emphasis on all aspects of Turkish grammar toward developing a solid foundation for speaking, listening, reading, writing, and vocabulary skills.

Note: Not open to auditors.

Turkish 120a. Intermediate Turkish I

Catalog Number: 4009

F. Engin Sezer

Half course (fall term). M., through F., at 9. EXAM GROUP: 2, 11

Emphasis on complex sentence structure and building communicative competence in describing events and expressing ideas through exercises in reading, writing, and speaking.

Note: Not open to auditors.

Prerequisite: Turkish A or equivalent.

Turkish 120b. Intermediate Turkish II

Catalog Number: 1394

F. Engin Sezer

Half course (spring term). M., through F., at 9. EXAM GROUP: 2, 11

Studies in argumentative and literary prose.

Note: Not open to auditors.

Prerequisite: Turkish 120a or equivalent.



Turkish 121a (formerly Turkish 121). Elementary Uzbek

Catalog Number: 3006

Wheeler M. Thackston, Jr. and assistant

Half course (fall term). Hours to be arranged; four meetings per week.

Introduction to conversational and literary Uzbek. Overview of the grammar, intensive practice of the spoken language, and reading of contemporary texts.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 121b. Elementary Uzbek

Catalog Number: 7303

Wheeler M. Thackston, Jr. and assistant

Half course (spring term). Hours to be arranged; four meetings per week.

Continuation of Turkish 121a.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 130a. Advanced Turkish I

Catalog Number: 6964

F. Engin Sezer

Half course (fall term). M., through F., at 11. EXAM GROUP: 4, 13

Gaining and improving advanced language skills in Modern Turkish through reading, writing, listening, and speaking with special emphasis on the proper usage of vocabulary and idiomatic expressions.

Note: Not open to auditors.

Prerequisite: Turkish 120b or equivalent.

[Turkish 130b. Advanced Turkish II]

Catalog Number: 4354

F. Engin Sezer

Half course (spring term). Hours to be arranged.

Studies in literary and idiomatic prose through readings, discussions, and writing of short analytical papers.

Note: Expected to be given in 2001–02. Not open to auditors.

Prerequisite: Turkish 130a or equivalent.

Turkish 140. Introduction to Ottoman

Catalog Number: 1906

Sinasi Tekin

Full course. Spring: Tu., at 1, Th., 1–3. EXAM GROUP: Spring: 15, 16

Introduction to basic orthographic conventions and grammatical characteristics of Ottoman Turkish through readings in printed selections from the 19th and 20th centuries, and exercises on techniques.

Prerequisite: Turkish A; and one year of Arabic or Persian desirable.

Turkish 142. Introduction to Ottoman Palaeography and Diplomatic Correspondence

Catalog Number: 0239

Sinasi Tekin



Full course. Hours to be arranged.

Calligraphic, orthographic, and stylistic characteristics of Ottoman legal and diplomatic correspondence through reading and analysis of primary sources.

Prerequisite: Turkish 140 or equivalent.

[Turkish 146. Old Turkish]

Catalog Number: 2929

Sinasi Tekin

Full course. Hours to be arranged.

Writing and structure of Old Turkish through readings in Orkhon inscriptions and Old Uyghur Buddhist and Manichaean texts.

Note: Expected to be given in 2001–02.

Prerequisite: Knowledge of one Turkish language.

Turkish 147a. Advanced Uzbek

Catalog Number: 3846

Wheeler M. Thackston, Jr. and assistant

Half course (fall term). Hours to be arranged.

Turkish 147b. Advanced Uzbek

Catalog Number: 4820

Wheeler M. Thackston, Jr. and assistant.

Half course (spring term). Hours to be arranged.

Continuation of Turkish 147a.

[Turkish 148b. Chaghatay: Poetry]

Catalog Number: 6843

Sinasi Tekin and assistant

Half course (spring term). Hours to be arranged.

Language and style of Chaghatay poetry through selected readings from the post-Karakhanid period until the 16th century.

Note: Expected to be given in 2001–02.

Prerequisite: Turkish A, Persian A, or equivalents.

Turkish 149. Introduction to Modern Turkish Literature

Catalog Number: 2156

F. Engin Sezer and assistant

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

A survey of 20th-century Modern Turkish poetry and prose through selected readings of novels, short stories and poetry in Turkish and/or in translation. Emphasis on both literary appreciation and themes such as the impact of modernization and social change on new forms and content.

Note: Some knowledge of Turkish is helpful but not necessary.

Turkish 150. Turkic Languages

Catalog Number: 9106

F. Engin Sezer



Half course (fall term). Th., at 2, Tu., 2–4. EXAM GROUP: 16, 17

General and specific linguistic properties and the interrelationship of Turkic languages, old and new. The nature of linguistic evidence provided by the historical written sources.

Note: Not open to Auditors.

Prerequisite: Knowledge of one Turkic language and at least one half-course in historical linguistics is desirable, which may be taken concurrently.

Turkish 151. Issues in Turkic Linguistics

Catalog Number: 2046

F. Engin Sezer

Half course (spring term). Hours to be arranged.

A critical analysis of the (Ural-) Altaic theory and the claims that relate Turkic to various other languages. The sound changes such as lambdacism and rhotacism, the Volga shift, shortening of long vowels, etc., with extensive specific reference to sound systems of the relevant languages.

Note: Not Open to Auditors.

Prerequisite: Turkish 150 or equivalent

Primarily for Graduates

Turkish 240. Readings in Ottoman Sources

Catalog Number: 2180

Sinasi Tekin and assistant

Full course (indivisible). Hours to be arranged.

Codicological analysis of handwritten documents from the 13th to the 18th century in photocopies and in the originals from a private collection. Analysis of textual styles of different genres.

Prerequisite: Turkish 140 or equivalent.

Graduate Courses of Reading and Research

***Turkish 300 (formerly *Turkish 385 and *Turkic 385). Turkish Languages and Literatures**

Catalog Number: 7702

F. Engin Sezer 2833 and Sinasi Tekin 2353

Yiddish

See also above under Near Eastern Civilizations: Jewish Studies.

For Undergraduates and Graduates

Yiddish A. Elementary Yiddish

Catalog Number: 4623

David Braun

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3



Introduction to the Yiddish language, and to the culture of Ashkenazic Jewry.

Note: For students with little or no knowledge of Yiddish.

Yiddish B. Intermediate Yiddish

Catalog Number: 6147

David Braun

Full course (indivisible). M., W., F., at 11. EXAM GROUP: 4

Further develops the four basic communication skills. Includes selected readings from modern Yiddish literature.

Prerequisite: Yiddish A or equivalent.

Yiddish Ca. Advanced Yiddish I

Catalog Number: 8331

David Braun

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Yiddish Cb. Advanced Yiddish II

Catalog Number: 8968

David Braun

Half course (spring term). Hours to be arranged.

Prerequisite: Yiddish Ca or equivalent.

Yiddish 102r. Modern Yiddish Literature I

Catalog Number: 4013

Ruth R. Wisse

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Topic for 2000-01: The Golden Age. Studies the rise of Yiddish literature through some of the major writings of Medele Mocher Sforim, Sholem Aleichem, and I.L. Peretz. Takes up problems of narration, aesthetics, ideology, gender, historicity, and canon formation.

Note: Primary readings are in Yiddish (translations available). Class discussion in English.

[Yiddish 103r. Modern Yiddish Literature II]

Catalog Number: 8269

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Topic for 2000-2001: To be announced.

Note: Expected to be given in 2001–02.

Yiddish 105. Yiddish Language and Linguistic Theory

Catalog Number: 7146

David Braun

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Yiddish, spoken among Ashkenazic Jews (i.e., Jews of Western and Central European and, later, Eastern European origin) for the past millenium, belongs to the Germanic language family, although its contacts with Slavic and Semitic (Hebrew, Aramaic) have made lasting impressions. Facts of Yiddish phonology, morphology, syntax, and the syntax-semantics-pragmatics interface



pose interesting problems for linguistic theory, many of which are not common to other Germanic languages. We will look at a wide range of Yiddish data and will read and discuss some of the more recent analytical attempts to understand these phenomena.

Yiddish 108. American Jewish Literature

Catalog Number: 6058

Ruth R. Wisse

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Studies major motifs and tensions in Yiddish poetry, prose and drama during the heyday of Jewish immigrant culture when America became one of the world centers of Yiddish culture. Works by Abraham Cahan, Jacob Gordin, Moishe Leib Halpern, Sholem Asch, Jacob Glatstein, Anna Margolin, Isaac Beshevis Singer; the Yiddish influence on Isaac Rosenfeld, Saul Bellow, Irving Howe, and Cynthia Ozick.

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

Half course (fall term). Hours to be arranged.

Topic for 1999-00: Memory, Autobiography and Diary. A study of the changing function of personal narratives from Gluckl of Jameln to ghetto diarists during World War II.

Note: Expected to be given in 2001–02.

Prerequisite: Reading knowledge of Yiddish.

[Yiddish 202r. Yiddish Literature: Seminar]

Catalog Number: 3854

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Topic for 2000–01: To be announced.

Note: Expected to be given in 2001–02.

Prerequisite: Reading knowledge of Yiddish.

Yiddish 204. An Introduction to Yiddish Literary Criticism

Catalog Number: 7662

Marcus Moseley

Half course (spring term). W., 4–6. EXAM GROUP: 9

Traces the development of modern Yiddish literary criticism from the late 19th to the mid-20th century. The focus will be upon varying, and often quite opposing, critical responses to the three “classic” writers of modern Yiddish literature: Mendele Moykher Sforim, Sholem Aleichem and Y. L. Peretz. Critics to be studied include Bal Makshoves, Sh. Niger, M. Weinreich, M. Erik, M. Viner, Y. Y. Trunk, N. Oyslender, M. Litvakov.

Note: Primary readings are in Yiddish; lectures are in English.



Graduate Courses of Reading and Research

***Yiddish 300. Yiddish Language and Literature**

Catalog Number: 7833

Ruth R. Wisse 3177

Oceanography

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Oceanography

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies (*Chair*)

James J. McCarthy, Alexander Agassiz Professor of Biological Oceanography in the Museum of Comparative Zoology, Master of Pforzheimer House, Director of the Museum of Comparative Zoology (*on leave fall term*)

Allan R. Robinson, Gordon McKay Professor of Geophysical Fluid Dynamics

Daniel P. Schrag, Professor of Earth and Planetary Sciences (*on leave spring term*)

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science, Associate of the Harvard Forest

Courses in the various branches of oceanography are listed separately under the headings Biology, Engineering Sciences and Applied Physics, and Earth and Planetary Sciences in this catalog. Further information on related courses and on other opportunities for study in oceanography at the University, at the Woods Hole Oceanographic Institution, and at the Marine Biological Laboratory may be obtained from the Official Register "Instruction in Oceanography," or from members of the Faculty Committee on Oceanography.

Philosophy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of Philosophy

Christine M. Korsgaard, Arthur Kingsley Porter Professor of Philosophy (*Chair*)
K. Anthony Appiah, Charles H. Carswell Professor of Afro-American Studies and of Philosophy
Melissa Barry, Assistant Professor of Philosophy (*on leave 2000-01*)
Michael Blake, Assistant Professor of Philosophy
Peter Godfrey-Smith, Visiting Associate Professor of Philosophy (*Stanford University*) (*fall term only*)
Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic (*Head Tutor*)
Richard G. Heck, Jr., Professor of Philosophy (*on leave spring term*)
Edwin William McCann, Visiting Professor of Philosophy (*University of Southern California*)
Richard Moran, Professor of Philosophy
Robert Nozick, Pellegrino University Professor (*on leave 2000-01*)
Charles D. Parsons, Edgar Pierce Professor of Philosophy (*Director of Graduate Studies*)
James Pryor, Assistant Professor of Philosophy
Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity (*on leave fall term*)
Amartya Sen, Visiting Professor of Philosophy (*Trinity College, Cambridge*)
Susanna Siegel, Assistant Professor of Philosophy
Alison Simmons, John L. Loeb Associate Professor of Philosophy (*on leave spring term*)
Gisela Striker, Professor of Classical Philosophy (*on leave spring term*)
Raphael Graham Woolf, Assistant Professor of Philosophy

Primarily for Undergraduates

Philosophy 3. Introduction to the Problems of Philosophy

Catalog Number: 1996

James Pryor

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to the methods of contemporary philosophy by examining three issues: (1) The mind/body problem: What is the relation between your mind and your body? Are they made up of different stuffs? (2) Personal identity: What makes you the person you are? Could you survive the death of your body? (3) Free will: Are your actions and decisions part of the chain of cause and effects studied by physics? If so, does that mean you never act freely?

Philosophy 7. Introduction to Ancient Philosophy

Catalog Number: 1454

Raphael Graham Woolf

Half course (fall term). Tu., Th., at 11.

A survey of some main themes and figures of ancient philosophical thought, concentrating on the Pre-Socratics, Plato, and Aristotle. Topics include the nature of reality, the ways we might come to have knowledge, and the good life for human beings.

Philosophy 8. Introduction to Early Modern Philosophy

Catalog Number: 8947



Edwin William McCann (University of Southern California)
Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

A survey of major 17th- and 18th-century philosophers, including Descartes, Locke, Hume, and Kant, on such topics as the nature of the physical world, the relation between mind and body, personal identity, and skepticism. Special attention to the context set by the rise of mechanistic science (the “Scientific Revolution”).

***Philosophy 97hf. Tutorial — Sophomore Year**

Catalog Number: 1669

Warren Goldfarb

Half course (throughout the year). Hours to be arranged.

Note: Required of all sophomore concentrators.

***Philosophy 98hf. Tutorial — Junior Year**

Catalog Number: 5533

Warren Goldfarb

Half course (throughout the year). Hours to be arranged.

Note: Required of all junior concentrators.

***Philosophy 99. Tutorial — Senior Year**

Catalog Number: 4396

Warren Goldfarb and members of the department

Half course (fall term; repeated spring term). Hours to be arranged.

Cross-listed Courses

[Moral Reasoning 33. Issues in Ethics]

[Moral Reasoning 56. Self, Freedom, and Existence]

[Moral Reasoning 60. Reason and Morality]

Moral Reasoning 62. Reasoning In and About the Law

Moral Reasoning 66. Moral Reasoning About Social Protest

Quantitative Reasoning 22. Deductive Logic

For Undergraduates and Graduates

Philosophy 101. Plato

Catalog Number: 5374

Raphael Graham Woolf

Half course (spring term). Tu., Th., at 11.

A critical examination of some central themes in Plato’s philosophy, concentrating on the early and middle dialogues, with some consideration of later developments. Topics include the search for definitions, the theory of Forms, the nature of the soul, and the good life.

***Philosophy 106. The Pre-Socratics: Proseminar**

Catalog Number: 6569

Raphael Graham Woolf



Half course (spring term). M., 2–4.

Generally acknowledged as the founders of the Western philosophical tradition, the Pre-Socratics raised fundamental questions about the nature of the universe and ways we might discover truths about it. Consideration of the views of some leading figures, including Parmenides, Zeno, Heraclitus, and the Atomists.

***Philosophy 108. Socrates: Proseminar**

Catalog Number: 7075

Raphael Graham Woolf

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An exploration of one of the most vivid and influential figures in the history of philosophy. Through close reading of texts (mainly from Plato's early dialogues) we shall examine Socrates' views on philosophical method, knowledge, and the good life.

Philosophy 111. Epistemology After Aristotle

Catalog Number: 3953

Gisela Striker

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to, and discussion of, the doctrines of the Epicureans, Stoics, and Skeptics. The Hellenistic period was the first to make the question of the possibility of knowledge central to philosophical debates, and the arguments first put forward during this time had a profound influence on subsequent developments in epistemology, including the early modern period.

[Philosophy 120. The Rationalists]

Catalog Number: 2512

Alison Simmons

Half course (fall term). Hours to be arranged.

A study of some of the major works of Descartes, Spinoza, Malebranche, and Leibniz, with primary emphasis on their contributions to metaphysics and epistemology.

Note: Expected to be given in 2001–02.

Philosophy 122. British Empiricism

Catalog Number: 9025

Edwin William McCann (University of Southern California)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A study of the major writings of Locke, Berkeley, and Hume on topics in metaphysics and epistemology, such as substance, essence, qualities, causation and scientific explanation, personal identity, and skepticism. Closely related writings by Boyle and Newton will also be considered.

***Philosophy 138. Existentialism: Proseminar**

Catalog Number: 5766

Edwin William McCann (University of Southern California)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The development of existentialist philosophy from its beginnings in Kierkegaard to its 20th



century incarnation in Heidegger and Sartre. Special attention to the influence of Husserl's phenomenology on the later existentialist philosophers, i.e., Heidegger and Sartre.

Philosophy 141. Frege, Russell, and the Early Wittgenstein

Catalog Number: 6807

Warren Goldfarb

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

An examination of the beginnings of analytic philosophy, with primary interest in the reformulation of traditional philosophical problems by these three authors and the analytic and logical methods they introduced to treat them.

[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 2001–02.

Prerequisite: Some knowledge of deductive logic.

Philosophy 145. Realism and Anti-Realism

Catalog Number: 0798

Richard G. Heck, Jr.

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 12

One sort of familiar metaphysical question concerns the mind-independence of various facets of reality. We will discuss how best to understand this sort of question and consider recent approaches to it. Our focus will be on ways of understanding the question in terms of the notion of truth. Readings will come from such authors as Davidson, Dummett, Putnam, Lewis, and Wright.

Philosophy 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: Philosophy 140 or some background in mathematics.

Philosophy 149z. Philosophy of Science

Catalog Number: 9047

Peter Godfrey-Smith (Stanford University)

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Survey of 20th-century views on the nature of scientific knowledge. Topics include logical empiricism, Popper and "falsifiability," induction and confirmation and their paradoxes, models



of explanation, scientific realism, Kuhn, Lakatos, Feyerabend, and the relations between philosophy, history and sociology of science.

Philosophy 156. Philosophy of Mind

Catalog Number: 3677

Susanna Siegel

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

An introductory course focusing on the development of the subject in the 20th century. Approaches to the mind-body problem, and proposed solutions to it including dualism, behaviorism, type- and token-identity theories and functionalism. Attention to how these theories bear on problems about consciousness, the representation by the mind of things in the world, and the causation of intentional action. Readings include texts by Armstrong, Block, Descartes, Lewis, Putnam, Shoemaker, and many others.

Philosophy 157x. Philosophy of Action

Catalog Number: 3473

Richard Moran

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 16

Problems in the philosophical understanding of human action. Topics include: the nature of intention and the intentional, explanation by reasons and by causes, the assumption of rationality and its limits (e.g., the irrationality of weakness of the will and self-deception), the role of self-knowledge in action, problems in the interpretation and description of action, and the place of the understanding of action vis-à-vis other ways of understanding the world.

Philosophy 159. Epistemology

Catalog Number: 4507

James Pryor

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

Central issues in contemporary epistemology such as: skeptical arguments that all we can really know are our own private thoughts and experiences; debates about whether knowledge always has to be based on secure foundations; questions about whether “knowledge” means the same in the philosophy classroom as it does in ordinary settings; the connections among knowledge, evidence, reliability, and good epistemic behavior.

***Philosophy 162. Social Construction: Proseminar**

Catalog Number: 1927

K. Anthony Appiah

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

What is a social construct? In recent years, all sorts of things have been said to be “socially constructed,” among them atomic particles, genders, heterosexuality, homosexuals, multiple personality disorder, refugees. We shall explore some of these claims, trying to disentangle a variety of senses in which concepts and objects might be said to be socially constructed, and connecting these debates with classical philosophical debates between various forms of realism and idealism.



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*.

Philosophy 171. Political Philosophy

Catalog Number: 2266

Michael Blake

Half course (fall term). M., W., at 1. EXAM GROUP: 6

A critical introduction to issues of state authority, justice, liberty and equality through readings of major works in political philosophy, including the writings of such theorists as Hobbes, Locke, Mill, Marx, and Rawls.

Philosophy 174. Recent Ethical Theory

Catalog Number: 5525

Christine M. Korsgaard

Half course (spring term). M., W., (F.), at 1.

We will study a selection of the major theories and trends in ethical theory of the last third of the 20th century.

Prerequisite: at least one course in philosophy, political theory, or moral reasoning

Philosophy 178. Equality and Democracy.

Catalog Number: 5407

Thomas M. Scanlon, Jr.

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Contemporary theories and debates concerning economic and social equality and the kinds of equality involved in, or required by, democratic institutions.

Philosophy 188 (formerly Philosophy 189). Philosophy and Literature.

Catalog Number: 6252

Richard Moran

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Questions connected to the understanding and criticism of literature. Topics include: literature and the philosophical understanding of language, meaning and authorial intention, metaphor and figurative language, the role of emotion, literary understanding and knowledge. Writers to be discussed may include Plato, Cavell, Barthes, Nehamas, Davidson, Foucault, Valéry.

Cross-listed Courses

[Afro-American Studies 125. Philosophical Problems of Race and Racism]

Greek 110r. Plato's *Protagoras*

[History of Science 106. History of Ancient Science]

History of Science 107. History of Medieval Science

Islamic Civilizations 145 (formerly Arabic 145). Islamic Philosophy and Theology



Latin 107. Lucretius: *On the Nature of Things*

Latin 119. Cicero: *De re publica*

Mathematics 141. Introduction to Mathematical Logic

Mathematics 142. Recursion Theory

[Mathematics 143 (formerly Mathematics 143r). Set Theory]

Primarily for Graduates

***Philosophy 206. Aristotle's *Ethics*: Seminar**

Catalog Number: 2566

Gisela Striker

Half course (spring term). M., 4–6. EXAM GROUP: 9

A close study of selected passages from Aristotle's *Ethics*, focusing on his treatment of practical reasoning and practical wisdom.

***Philosophy 222. Locke and Leibniz: Seminar**

Catalog Number: 5974

Edwin William McCann (University of Southern California)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A close study of the main metaphysical and epistemological doctrines of Locke's *Essay Concerning Human Understanding*, together with Leibniz's systematic criticisms of these doctrines as set out in his *New Essays Concerning Human Understanding*.

***Philosophy 229. Kant's *Critique of Pure Reason*: Seminar**

Catalog Number: 8062

Charles D. Parsons

Half course (fall term). W., 4–6. EXAM GROUP: 9

Topic for 2000-01: the Transcendental Dialectic.

***Philosophy 241. Wittgenstein's *Tractatus*: Seminar**

Catalog Number: 3229

Warren Goldfarb

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

***Philosophy 245. Demonstratives: Seminar**

Catalog Number: 2142

Susanna Siegel

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An examination of demonstrative reference and of related mental states. Topics to include formal theories of demonstrative reference; proposals about what Fregean Senses of demonstratives might be; arguments that there are no such things.

***Philosophy 247. Philosophy of Language: Seminar**

Catalog Number: 8402

Richard G. Heck, Jr.

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8



Recent work on linguistic knowledge and its relation to linguistic competence, with reference to syntax and to semantics. Readings from Chomsky, Dummett, Higginbotham, and Soames.

***Philosophy 249. Philosophy of Biology: Seminar**

Catalog Number: 0779

Peter Godfrey-Smith (Stanford University)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Problems involving causation and explanation in genetics. Topics include: genetic determinism, heritability, and the concepts of “genetic information” and “genetic coding.” How do the various causal, statistical, and semantic concepts used in genetics relate to each other?

***Philosophy 253. A Priori Knowledge: Seminar**

Catalog Number: 1420

James Pryor

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Recent work on a priori knowledge: what it is and whether we have any. Issues include: Quine’s hostility to the a priori, new forms of rationalism, Kripke and the contingent a priori, Putnam’s a priori argument that he is not a brain in a vat.

***Philosophy 256. Philosophy of Mind: Seminar**

Catalog Number: 5325

Richard G. Heck, Jr.

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Recent work on concepts, concept-possession, and psychosemantics, taking Peacocke (*A Study of Concepts*) and Fodor (*Concepts*) to represent relevant poles.

***Philosophy 271. Political Philosophy: Seminar**

Catalog Number: 2639

Thomas M. Scanlon, Jr. and Amartya Sen (Trinity College, Cambridge)

Half course (spring term). W., 3:30–5:30. EXAM GROUP: 8, 9

Some recent work in political philosophy, with emphasis on theories of justice.

***Philosophy 273. Philosophy of Law: Seminar**

Catalog Number: 5677

Michael Blake

Half course (fall term). M., 4–6. EXAM GROUP: 9

Historical and contemporary approaches to the questions of jurisprudence. Topics include: the nature of law and of legal interpretation, the role of judges, and the relationship of moral norms to legal norms.

***Philosophy 299hf. Individual Supervision**

Catalog Number: 8076

Charles D. Parsons 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]
Classics 261. Plato on Poetry and Moral Education: Seminar
Classics 264. Technê in Greek Culture: Seminar
***History of Science 206r. Ancient Science: Seminar**
***History of Science 207r. Medieval Science: Seminar**
***History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar**
Mathematics 245. Proof Theory

Graduate Courses of Reading and Research

***Philosophy 300a. Colloquium**

Catalog Number: 5615

Charles D. Parsons 2298

Half course (fall term). Hours to be arranged.

An intensive study—in small, informal seminars—of selected problems in contemporary philosophy.

Note: Open only to first-year graduate students in the Department.

***Philosophy 300b. Colloquium**

Catalog Number: 6280

Richard Moran 1786

Half course (spring term). Hours to be arranged.

Continuation of Philosophy 300a.

***Philosophy 303. Colloquium: Dissertation Presentations**

Catalog Number: 1089

Richard Moran 1786 and Thomas M. Scanlon, Jr. 7986 (on leave fall term)

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 305. Individual Reading and Research**

Catalog Number: 4462

K. Anthony Appiah 3067, Michael Blake 1471, Peter Godfrey-Smith (Stanford University) 3338, Warren Goldfarb 4499, Richard G. Heck, Jr. 2993 (on leave spring term), Christine M. Korsgaard 2994, Edwin William McCann (University of Southern California) 3367, Richard Moran 1786, Charles D. Parsons 2298, James Pryor 2190, Thomas M. Scanlon, Jr. 7986 (on leave fall term), Susanna Siegel 2441, Gisela Striker 2271 (on leave spring term), and Raphael Graham Woolf 2488

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 310. Research Seminars**

Catalog Number: 4465

K. Anthony Appiah 3067, Michael Blake 1471, Peter Godfrey-Smith (Stanford University) 3338, Warren Goldfarb 4499, Richard G. Heck, Jr. 2993 (on leave spring term), Christine M.



Korsgaard 2994, Edwin William McCann (University of Southern California) 3367, Richard Moran 1786, Charles D. Parsons 2298, James Pryor 2190, Thomas M. Scanlon, Jr. 7986 (on leave fall term), Susanna Siegel 2441, Gisela Striker 2271 (on leave spring term), and Raphael Graham Woolf 2488

Small seminars on specialized topics, to be arranged when practicable by these members of the Department in consultation with graduate students who are suitably prepared. When topics of such seminars are decided far enough in advance, the seminars will be listed individually with numbers from 311 through 398.

***Philosophy 311. Workshop on Moral and Political Philosophy**

Catalog Number: 5370

Michael Blake 1471, Christine M. Korsgaard 2994, and Thomas M. Scanlon, Jr. 7986 (spring term only)

Half course (fall term; repeated spring term). Hours to be arranged.

A forum for the presentation and discussion of work in progress by students and faculty working in the areas of moral and political philosophy. Open only to graduate students in the Philosophy Department and by special invitation of the instructors.

Note: Meets approximately every two weeks throughout the year.

***Philosophy 333. Preparation for the Topical Examination**

Catalog Number: 1967

K. Anthony Appiah 3067, Melissa Barry 3037 (on leave 2000-01), Michael Blake 1471, Warren Goldfarb 4499, Richard G. Heck, Jr. 2993 (on leave spring term), Christine M. Korsgaard 2994, Richard Moran 1786, Robert Nozick 2999 (on leave 2000-01), Charles D. Parsons 2298, James Pryor 2190, Thomas M. Scanlon, Jr. 7986 (on leave fall term), Susanna Siegel 2441, Alison Simmons 1300 (on leave spring term), Gisela Striker 2271 (on leave spring term), and Raphael Graham Woolf 2488

Required in both fall and spring terms of all third-year graduate students in the Department.

***Philosophy 399. Direction of Doctoral Dissertations**

Catalog Number: 3283

K. Anthony Appiah 3067, Melissa Barry 3037 (on leave 2000-01), Michael Blake 1471, Stanley Cavell 2087, Warren Goldfarb 4499, Richard G. Heck, Jr. 2993 (on leave spring term), Christine M. Korsgaard 2994, Richard Moran 1786, Robert Nozick 2999 (on leave 2000-01), Charles D. Parsons 2298, James Pryor 2190, Hilary Putnam 2838, Thomas M. Scanlon, Jr. 7986 (on leave fall term), Susanna Siegel 2441, Alison Simmons 1300 (on leave spring term), Gisela Striker 2271 (on leave spring term), and Raphael Graham Woolf 2488



Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Physics

Gerald Gabrielse, Professor of Physics (*Chair*)

Howard C. Berg, Professor of Molecular and Cellular Biology and Professor of Physics (*on leave 2000-01*)

George W. Brandenburg, Senior Research Fellow in Physics; Director of the High Energy Physics Laboratory

Sidney Coleman, Donner Professor of Science

John M. Doyle, Professor of Physics (*on leave spring term*)

Henry Ehrenreich, Clowes Research Professor of Science (*on leave spring term*)

Gary J. Feldman, Frank B. Baird, Jr. Professor of Science

Daniel S. Fisher, Professor of Physics and Professor of Applied Physics (*on leave spring term*)

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 (*on leave spring term*)

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, Lecturer on Physics

Eric J. Heller, Professor of Chemistry and Physics

Paul Horowitz, Professor of Physics and Professor of Electrical Engineering (*on leave fall term*)

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

Leo Kouwenhoven, Visiting Professor of Physics, Visiting Scholar in Physics (*Technial University Delft*)

Margaret E. Law, Senior Lecturer on Physics (*Director of Undergraduate Studies*)

Juan Maldacena, Professor of Physics (*on leave 2000-01*)

Charles M. Marcus, Professor of Physics (*Director of Graduate Studies*)

Paul C. Martin, John H. Van Vleck Professor of Pure and Applied Physics

Eric Mazur, Harvard College Professor, Gordon McKay Professor of Applied Physics and Professor of Physics

Masahiro Morii, Assistant Professor of Physics

David Joseph 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 (*on leave 2000-01*)



Costas D. Papaliolios, Professor of Physics, Emeritus
Peter S. Pershan, Gordon McKay Professor of Applied Physics and Professor of Physics
Mara Prentiss, Professor of Physics
William H. Press, Professor of Astronomy and of Physics, Fellow of Pforzheimer House (*on leave fall term*)
Subir Sachdev, Visiting Professor of Physics (*Yale University*)
Irwin I. Shapiro, Timken University Professor
Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences
Andrew Strominger, Professor of Physics (*on leave spring term*)
Michael Tinkham, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics (*on leave spring term*)
Cumrun Vafa, Professor of Physics
Steven Weinberg, Morris Loeb Visiting Professor of Physics (*University of Texas, Austin*)
David A. Weitz, Gordon McKay Professor of Applied Physics and Professor of Physics
Robert M. Westervelt, Gordon McKay Professor of Applied Physics and Professor of Physics
Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Other Faculty Offering Instruction in Physics

Sheldon L. Glashow, Higgins Professor of Physics, Emeritus
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

Eric Mazur and Cumrun Vafa

Half course (fall term). Tu., Th., 8:30–10, plus twice weekly conference sections and six laboratory sessions to be arranged. EXAM GROUP: 11

An introduction to classical mechanics: kinematics, Newton's laws of motion, conservation laws, oscillations, and thermodynamics as understood from the kinetic theory of particles. Brief applications of these ideas to elasticity and fluids as helpful preparation for the MCAT exams are included.

Note: Not designed as an introductory course for physics concentrators; those students should take Physics 15a or 16. Students who have taken Mathematics 21a or the equivalent and desire a one-year survey course may wish to take Physics 11a and 11b in order to make full use of their mathematical background. Physics 1a may not ordinarily be taken for credit in addition to Physics 11a, 15a, 16, or Science A-15.

Prerequisite: Mathematics 1b or the equivalent. Students with a lower level of mathematical preparation should consult the instructor.

Physics 1b. Principles of Physics: Electricity, Waves, Nuclear Physics

Catalog Number: 7483

Cumrun Vafa and Eric Mazur

Half course (spring term). Tu., Th., 8:30–10, plus twice weekly conference sections and five laboratory sessions to be arranged. EXAM GROUP: 10, 11

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.

Prerequisite: Physics 1a and Mathematics 1b, or the equivalent.

Physics 11a. Mechanics

Catalog Number: 3131

Melissa Franklin and David A. Weitz

Half course (fall term). Lectures, Tu., Th., 11:30–1; weekly ninety-minute discussion sections. EXAM GROUP: 13

Physics 11a is the first half of a one-year physics sequence. It provides an introduction to classical mechanics, including the laws of conservation of energy, momentum, and angular momentum; the translational motion of particles, rigid bodies, and fluids; the rotational motion of rigid bodies; the general description of waves and optics. Physics 11a may be taken by



students who have taken or who are concurrently taking Mathematics 21a or 23a or Applied Mathematics 21a. Calculus is used routinely but the emphasis is placed on the basic concepts. *Note:* Physics 11a may not be taken for credit by students who have passed Physics 15a or 16.

Physics 11b. Electricity, Magnetism, and Waves

Catalog Number: 5472

David A. Weitz and Melissa Franklin

Half course (spring term). Lectures, Tu., Th., 10–11:30, weekly ninety-minute discussion sections, and one three-hour laboratory session every two weeks. EXAM GROUP: 12, 13

Physics 11b is the second half of a one-year physics sequence. It covers the basic phenomena of electricity and magnetism, elements of circuits with selected applications, Maxwell's equations, electromagnetic waves and optics, and a brief introduction to quantum physics.

Note: May not be taken for credit by students who have passed Physics 15b or Physics 15c.

Prerequisite: Physics 11a; Mathematics 21a or 23a.

Physics 15a. Introductory Mechanics and Relativity

Catalog Number: 1984

David Morin (fall term) and George W. Brandenburg (spring term)

Half course (fall term; repeated spring term). Tu., Th., 10–11:30, and a weekly two-hour discussion section. EXAM GROUP: 13

Newtonian mechanics and special relativity. Topics include vectors; kinematics in three dimensions; Newton's laws; force, work, power; conservative forces, potential energy; momentum, collisions; rotational motion, angular momentum, torque; static equilibrium, oscillations, simple harmonic motions; gravitation, planetary motion; special relativity.

Prerequisite: Mathematics preparation at least at the level of Mathematics 1b concurrently is required. However, some elementary ideas from multivariable calculus may be used and students are encouraged to take Mathematics 21a concurrently.

Physics 15b. Introductory Electromagnetism

Catalog Number: 2701

Daniel S. Fisher (fall term), Mara Prentiss (spring term), and assistants

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Spring: Tu., Th., 10–11:30; and a weekly two-hour discussion section and three-hour laboratory session every two weeks. EXAM GROUP: Fall: 14; Spring: 12, 13

Electricity and magnetism at the level of Purcell's book. Covers all topics in Purcell including Maxwell's equations in differential form and electric and magnetic fields in materials.

Note: Laboratory "zap" electronics lab in a toolbox—students work on the labs in their dorm rooms—afternoon and evening help labs are scheduled. Laboratories will be under the supervision of Thomas C. Hayes.

Prerequisite: Physics 15a, Physics 16, or written permission of the Head Tutor in Physics.

Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required.

Vector calculus, div, grad and curl are used extensively—in principle, this is taught in the course. Students taking Mathematics 21a concurrently will likely find that some concepts are introduced in Physics 15b before they have seen them in Mathematics 21a. Some students may wish to postpone Physics 15b until they have completed Mathematics 21a.



Physics 15c. Wave Phenomena

Catalog Number: 8676

Costas D. Papaliolios (fall term), Andrew Foland (spring term) and Masahiro Morii (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–2:30, and three hours per week of conference and laboratory. EXAM GROUP: 15

Forced oscillation and resonance; coupled oscillators and normal modes; Fourier series; Electromagnetic waves, radiation, longitudinal oscillations, sound; traveling waves; signals, wave packets and group velocity; two- and three-dimensional waves; polarization; geometrical and physical optics; interference and diffraction. Optional topics: Water waves, holography, x-ray crystallography. Solitons.

Note: Laboratory: Continuation of “zap” plus additional labs. Laboratories will be under the supervision of Thomas C. Hayes.

Prerequisite: Physics 15b and mathematics preparation at the level of Mathematics 21b taken concurrently. Some prior knowledge of complex numbers (for example as taught in Mathematics 1b) is helpful. Multivariable calculus is used in the treatment of the wave equation, but plays a much less central role than in Physics 15b.

Physics 16. Mechanics and Special Relativity

Catalog Number: 2019

Howard Georgi

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 13

Newtonian mechanics and special relativity for students with good preparation in physics and mathematics at the level of the advanced placement curriculum. Topics include an introduction to Lagrangian mechanics, Noether’s theorem, special relativity, collisions and scattering, rotational motion, angular momentum, torque, the moment of inertia tensor, oscillators damped and driven, gravitation, planetary motion, and an introduction to cosmology.

Prerequisite: Score of 4 or 5 on the mechanics section of the Physics C Advanced Placement exam, or equivalent. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Thorough knowledge of calculus of one variable and vectors plus some mathematical sophistication. The mathematical level will be significantly higher than that of Physics 15a.

***Physics 90r. Supervised Research**

Catalog Number: 2460

Margaret E. Law and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. .

Note: Ordinarily open to selected concentrators in Physics, or in Chemistry and Physics, who have obtained honor grades in Physics 15 and a number of intermediate-level courses. The student must be accepted by some member of the faculty doing research in the student’s field of interest. The form of the research depends on the student’s interest and experience, the nature of the particular field of physics, and facilities and support available. Students wishing to write a senior thesis can do so by arranging for a sponsor and enrolling in this course. A list of possible faculty sponsors and their fields is available in Lyman 233 and on Physics Department web page. Course enrollment forms may be obtained from Lyman 233.


***Physics 91r. Supervised Reading Course for Undergraduates**

Catalog Number: 1218

Margaret E. Law and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to selected concentrators in Physics, Chemistry and Physics, and other fields who wish to do supervised reading and studying of special topics in physics. Ordinarily such topics do not include those covered in a regular course of the Department. Honor grades in Physics 15 and a number of intermediate-level courses are ordinarily required. The student must be accepted by a member of the faculty. A list of possible faculty sponsors and their fields is available in Jefferson 365.

***Physics 95 (formerly Physics 99). 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.

[*Physics 98r. Tutorial]

Catalog Number: 3033 Enrollment: Limited.

Howard Georgi and members of the Department
Half course (fall term). Hours to be arranged.

Small group tutorial, ordinarily limited to Physics or Chemistry and Physics concentrators. Supervised individual projects and class presentations required. Topics for 1999-2000 to be announced. Past topics have included Relativity, Optical Instrumentation, and Foundations of Quantum Mechanics.

Note: Expected to be given in 2001–02. May be repeated for course credit with permission from the Head Tutor. Only one tutorial may count for concentration credit.

Prerequisite: Introductory physics and math at least through the level of Physics 15b and Math 21b. The detailed prerequisites will vary with the subject of the tutorial.

Cross-listed Courses

Astronomy 45. Introduction to Astrophysics
Science A-29. The Nature of Light and Matter

For Undergraduates and Graduates

Certain physics courses are offered in several other departments. See especially the offerings of the Division of Engineering and Applied Sciences.



Physics 121. History and Philosophy of 20th-Century Physics

Catalog Number: 0160

Peter L. Galison

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to the history and philosophy of physics for students with a strong undergraduate background in science. Topics include relativity, quantum theory, weapons development, and modern ideas about unification.

Note: May not be taken for credit by students who have taken History of Science 120.

Prerequisite: An introductory course in college physics, preferably at the level of Physics 15c.

Physics 123. Laboratory Electronics

Catalog Number: 0864 Enrollment: Limited to 22 students per section.

Thomas C. Hayes (fall and spring) and Paul Horowitz (spring term)

Half course (fall term; repeated spring term). Section I, Tu., Th., 1:30–5; Section II, W., F., 1:30–5. All students must attend first course meeting on 2/1 at 1:30 in Science Center 206.

EXAM GROUP: 6

A lab-intensive introduction to electronic circuit design. Develops circuit intuition and debugging skills through daily hands-on lab exercises, each preceded by class discussion with minimal use of mathematics and physics. The treatment moves quickly from passive circuits, through design with discrete transistors, then concentrates on the application of integrated operational amplifiers to make a variety of circuits including integrators, oscillators, regulators, and filters. The digital half of the course emphasizes the use of programmable logic devices, microprocessors, and microcontrollers, while treating issues that arise in interfacing both analog and digital devices to a computer. Provides an overview of radio and television, digital audio, signal averaging, and construction techniques.

Note: Both sections must report to the first course meeting.

Physics 125. Widely Applied Physics

Catalog Number: 6990

Leo Kouwenhoven (Technial University Delft)

Half course (spring term). W., F., 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. Materials: materials engineering, structure of the Earth, mountains, bridges, buildings. Nuclear physics: reactions, cross-sections, origin of the elements in the Big Bang and stars, reactors. Flight: aerodynamics, aircraft, rockets, spacecraft, fluid flow. Energy use and production: the automobile, fossil, nuclear, solar, and wind power. Communications: transistor, signal and noise, radar, radio astronomy. Biological physics: radiation, health risks. 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 143a. Quantum Mechanics I

Catalog Number: 1050

Mara Prentiss (fall term) and Daniel S. Fisher (spring term)



Half course (fall term; repeated spring term). Tu., Th., 10–11:30. EXAM GROUP: Fall: 13; Spring: 12, 13

Introduction to nonrelativistic quantum mechanics: uncertainty relations; Schrödinger equation; one-dimensional problems including particle in box, tunneling, and harmonic oscillator; angular momentum, hydrogen atom, spin, Pauli principle; time-independent perturbation theory.

Prerequisite: Physics 15c or written permission of the Head Tutor.

Physics 143b. Quantum Mechanics II

Catalog Number: 0253

Gary J. Feldman

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Further techniques and applications of quantum mechanics, including approximation methods for time-dependent problems, several and many-particle systems, interaction of quantum systems with radiation and external fields, variational methods, collision theory, and measurement theory.

Prerequisite: Physics 143a.

Physics 145. Elementary Particle Physics

Catalog Number: 6057

Gary J. Feldman

Half course (spring term). Lecture meets M., W., (F.,) at 10; seminars and sections Tu., Th., 7:30–9 p.m. as needed. EXAM GROUP: 3

Introduction to elementary particle physics. Emphasis is on concepts and phenomenology rather than on a detailed calculational development of theories. Starts with the discovery of the electron in 1897, ends with the theoretical motivation for the Higg's boson, and attempts to cover everything important in between. Taught partly in seminar mode, with each student presenting a classic paper of the field.

Prerequisite: Physics 143a. Physics 143b or equivalent is useful.

Physics 151. Mechanics

Catalog Number: 2068

Arthur M. Jaffe

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Fundamental ideas of classical mechanics including contact with modern work and applications. Topics include Lagrange's equations; 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

Arthur M. Jaffe

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 181. Statistical Mechanics and Thermodynamics

Catalog Number: 6346

Robert M. Westervelt

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to thermal physics: basic concepts of thermodynamics (energy, heat, work, temperature, entropy), classical and quantum ensembles and their origins, and distribution functions. Applications include Debye's theory of solids, Planck's theory of black body radiation, classical and quantum gases, magnetism and phase transitions.

Note: May not be taken for credit in addition to Engineering Sciences 181.

Prerequisite: Physics 143a or equivalent.

Physics 191r. Advanced Laboratory

Catalog Number: 7711 Enrollment: Together with Physics 247r, limited to a total of 24 students.

Peter S. Pershan (fall and spring term), Robert M. Westervelt (fall term), and Isaac F. Silvera (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17

Students carry out three experimental projects selected from those available representing condensed matter, atomic, nuclear, and particle physics. Included are nuclear magnetic resonance, microwave spectroscopy, optical pumping, scattering of laser light, neutron activation of radioactive isotopes, Compton scattering of gamma rays, the relativistic mass of the electron, recoil free gamma-ray resonance, the lifetime of the muon, studies of superfluid helium, positron annihilation superconducting transitions, the quantum Hall effect, and properties of semiconductors. The facilities of the laboratory include several computers that are used extensively in the laboratory.

Note: The course cooperates with Applied Physics 191; experiments from that course may be chosen when available. A substantial amount of outside reading is expected.

Prerequisite: Physics 15. Physics 143a is recommended.

[Physics 195. Introduction to Solid State Physics]

Catalog Number: 2978

Henry Ehrenreich

Half course (fall term). Hours to be arranged. EXAM GROUP: 12, 13

Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, superconductivity.

Note: Expected to be given in 2001–02. Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of



statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a formal course in solid state physics, are strongly advised to take this course first. It is suggested that students may wish to take Applied Physics 195 when this course is bracketed.

[Physics 197. Computational Physics Methods and Applications]

Catalog Number: 8653

Efthimios Kaxiras

Half course (spring term). Hours to be arranged.

This course develops computational approaches for understanding physical systems, and illustrates the applications of such approaches to specific problems. The methods to be covered include: numerical differentiation and integration, solution of ordinary and partial differential equation, eigensystems, and stochastic approaches like Monte Carlo and genetic algorithms for statistical sampling and optimization of multi-variable systems. The emphasis is on developing the ability to handle both simple and complex physical systems which are analytically intractable. Examples will be drawn from several diverse fields of physics. Familiarity with a programming language (Like Fortran or C) is assumed.

Note: Expected to be given in 2001–02. May not be taken for credit by students who have taken Applied Physics 197.

Prerequisite: Background in mathematics at the level of Applied Mathematics 105b, which may be taken concurrently.

Cross-listed Courses

Applied Physics 195. Introduction to Solid State Physics

Astronomy 145. Topics in Astrophysics

Astronomy 150 (formerly Astronomy 205). Radiative Processes in Astrophysics

Astronomy 191. Astrophysics Laboratory

[Astronomy 192. Astronomical Measurements]

Chemistry 160. Physical Chemistry

Chemistry 161. Statistical Thermodynamics

[Earth and Planetary Sciences 106. Introduction to Planetary Physics]

Engineering Sciences 120. Introduction to the Mechanics of Solids

Engineering Sciences 123. Introduction to Fluid Mechanics

Engineering Sciences 154. Introduction to Electronic Circuits

Engineering Sciences 181. Thermodynamics

Engineering Sciences 190. Introduction to Materials Science

Primarily for Graduates

The courses primarily for graduates are open to undergraduates provided they have passed the prerequisites with a grade of C or higher; in each case, special permission by the instructor is needed. In cases where students do not have the listed prerequisites, the written approval of the Head Tutor is required.

Physics 210. General Theory of Relativity

Catalog Number: 4840



Andrew Strominger

Half course (fall term). W., F., 1–2:30. EXAM GROUP: 6, 7

An introduction to general relativity: Riemannian geometry; the Principle of Equivalence; Einstein's field equations; the Newtonian limit; gravitational radiation; experimental tests; Penrose diagrams; black holes.

Prerequisite: Physics 151 and 153, and Mathematics 21 or equivalents.

[Physics 211. General Relativity, Cosmology, and Other Topics]

Catalog Number: 0469

Andrew Strominger

Half course (spring term). Hours to be arranged.

The focus will be the classical and quantum theory of black holes. Schwarzschild and Kerr-Newman solutions; causal structure; Penrose diagrams; the classical laws of black hole mechanics, experimental evidence; Hawking radiation; the information paradox; black hole entropy.

Note: Expected to be given in 2001–02. 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

Arthur M. Jaffe

Half course (spring term). Hours to be arranged.

Introduction to modern topics in dynamical systems and classical Hamiltonian theory, including nonlinear systems and chaos. Modern topics include iterated maps, Poincaré maps, nonlinear resonance theory, KAM theory, structure of phase space, mixing and entropy production, bifurcation theory, homoclinic tangles, Smale horseshoes, fractal repellers and numerical methods.

Note: Expected to be given in 2001–02.

Prerequisite: Physics 151 and 143a,b or equivalent; Applied Math 201,202 or equivalent.

Physics 231 (formerly Physics 232a). Electrodynamics I

Catalog Number: 4885

Paul C. Martin

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

This course will concentrate on the properties of static fields, electromagnetic waves generated by prescribed charges and currents (including synchrotron radiation), and scattering. The formation of Maxwell's equations as a relativistically covariant field theory (in which the transition to quantum electrodynamics is most natural) will also be presented along with applications where the covariant description is convenient. Some elementary magnetohydrodynamics will also be discussed.

Note: Physics 231 is being offered as a complement to Physics 232, which concentrates on the interactions of radiation with atoms and condensed matter. Neither course has the other as a prerequisite and both may be taken for credit.

Prerequisite: Physics 153 and Applied Mathematics 105a,105b, or equivalent.



Physics 232 (formerly Physics 232b). Advanced Electrodynamics

Catalog Number: 7246

Jene A. Golovchenko

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 12, 13

Electrodynamical phenomena that are relevant to low-energy experimental physics will be discussed. Topics to be covered will include the interaction of electromagnetic radiation with atoms, molecules and condensed matter, scattering from non-relativistic charged particles and currents, diffraction phenomena, linear and non-linear optical phenomena, microwave and optical waveguides, propagation in periodic media, including the dynamic theory of x-ray diffraction and photonic crystals.

Prerequisite: Physics 153 and Applied Mathematics 105a and 105b, or equivalent.

Physics 245. Relativistic Quantum Mechanics with Applications

Catalog Number: 3551

John Huth

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic techniques of relativistic quantum mechanics and field theory, including Feynman diagrams, with applications. Emphasis is given to the basic concepts of quantum field theory and their applications in the phenomenology of elementary particle physics. Applications covered include QED, weak interactions, and an introduction to the standard electroweak model.

Prerequisite: Two semesters of quantum mechanics, e.g., Physics 143a,b or equivalent.

Physics 247r. Laboratory Course in Contemporary Physics

Catalog Number: 8665 Enrollment: Together with Physics 191r, limited to a total of 24 students.

Peter S. Pershan (fall and spring), Masahiro Morii (fall term), Costas D. Papaliolios (spring term), Isaac F. Silvera (spring term), and Robert M. Westervelt (fall term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17

Three experimental projects are selected representing condensed matter, atomic, nuclear, and particle physics. Examples: experiments on NMR, microwave spectroscopy, optical pumping, scattering of laser light, neutron activation, Compton scattering of gamma rays, relativistic mass of the electron, recoil-free gamma-ray resonance, lifetime of the muon, superfluid helium, superconducting transitions, and properties of semiconductors.

Note: The course cooperates with Applied Physics 210r. A substantial amount of outside reading may be required.

[Physics 248. Phenomena of Elementary Particle Physics]

Catalog Number: 5431

Melissa Franklin

Half course (spring term). Hours to be arranged.

A systematic introduction to the phenomena of elementary particle interactions. Topics: symmetries, hadron spectroscopy, deep inelastic scattering and structure functions, QCD, heavy quark production and decay, CP violation, symmetry breaking, Higg's mechanism, and others.

Note: Expected to be given in 2001–02.

Prerequisite: Physics 245 or equivalent.



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

Sidney Coleman

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A continuation of Physics 253a. Vector fields, gauge invariance, functional integration, quantum electrodynamics, spontaneous symmetry breakdown, and an introduction to the standard model.

Prerequisite: Physics 253a.

Physics 262. Statistical Physics

Catalog Number: 1157

Efthimios Kaxiras

Half course (fall term). M., W., F., at 3. EXAM GROUP: 8

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, and the response to time-dependent perturbations.

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

Andrew Cohen

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduces the theory of Lie groups and their representations. Emphasizes compact groups and applications to particle physics.

Prerequisite: Physics 143a and 143b or equivalent.

[Physics 266. Topics in Bose-Einstein Condensation and Superfluidity]

Catalog Number: 0104

Isaac F. Silvera

Half course (spring term). Hours to be arranged.

This special topics course will present a deep treatment of Bose-Einstein condensation and superfluidity in fluids of identical bosons. Both the homogeneous systems such as superfluid helium and the inhomogeneous systems such as the alkali gases and spin-polarized hydrogen will be considered in three and two dimensions. The material will be balanced between theory and experiment. Degenerate Fermion systems will also be discussed.

Note: Expected to be given in 2001–02.

Prerequisite: Quantum mechanics and statistical mechanics.

Physics 268r. Theory of Many-Particle Systems

Catalog Number: 7951

Subir Sachdev (Yale University)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

An introduction to the modern theory of phase transitions presented using examples drawn from quantum many-body systems. Physics of the quantum Ising model, magnetically ordered and spin-gap states of antiferromagnets, the superfluid-insulator transition, and phases of Fermi liquids. Bosonization methods in one dimension. Other topics drawn from current research depending on student interest.

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 2001–02.

Prerequisite: Basic familiarity with quantum mechanics and solid state physics at the level of undergraduate courses.



Physics 283. The Standard Model

Catalog Number: 3620

Nima Arkani-Hamed (University of California, Berkeley)

Half course (spring term). W., F., 2:30–4. EXAM GROUP: 7, 8

Theory and phenomenology of the Standard Model of particle physics. $SU(2) \times U(1) \times SU(3)$ gauge theory of the electroweak and strong interactions. Neutral currents, W and Z, charm, bottom and top, and electroweak symmetry breaking. Additional topics in advanced quantum field theory including some or all of the following: including effective field theory; effective chiral theories; heavy quark effective theory; supersymmetry; and unified gauge theories.

Prerequisite: Physics 253a,b or equivalent.

Physics 285. Non-Relativistic Quantum Electrodynamics

Catalog Number: 3264

Roy J. Glauber

Half course (fall term). W., F., 1–2:30. EXAM GROUP: 6, 7

Quantum theory of interactions of light with various atomic systems. Coherence and statistical optics. Statistics of more general boson and fermion systems.

Prerequisite: A course in electromagnetic theory (Physics 232 or equivalent); one half course in intermediate or advanced quantum mechanics.

[Physics 287a. Introduction to String Theory]

Catalog Number: 2012

Juan Maldacena

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 2001–02. Expected to be omitted in 2000–01.

Prerequisite: Physics 253a,b or equivalent.

[Physics 287br (formerly Physics 287b). Topics in String Theory]

Catalog Number: 4555

Andrew Strominger

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 2001–02.

Prerequisite: Physics 287a.

[Physics 289r. Supersymmetry and Invariants]

Catalog Number: 6400

Arthur M. Jaffe

Half course (spring term). Hours to be arranged.

Introduction to supersymmetry and constructive quantum field theory, with emphasis on applications to geometric problems.

Note: Expected to be given in 2001–02.

Prerequisite: Basic knowledge of quantum mechanics, analysis, and geometry.



Cross-listed Courses

Applied Mathematics 201. Complex Function Theory with Applications
Applied Mathematics 202. Partial Differential and Integral Equations
[Applied Mathematics 203. Topics in Applied Mathematics]
Applied Mathematics 205. Practical Scientific Computing
Applied Physics 216 (formerly Applied Physics 216r). Optics and Quantum Electronics
[Applied Physics 284. Statistical Thermodynamics]
Applied Physics 295a. Introduction to Quantum Theory of Solids
Applied Physics 295b. Quantum Theory of Solids
Applied Physics 296r. Superconductivity
[Applied Physics 298r. Materials Chemistry and Physics: Seminar]
***Astronomy 204. Galactic and Extragalactic Dynamics**
Astronomy 206. Stellar Physics
Astronomy 208. The Physics of the Interstellar Medium
[MCB 212. Topics in Biophysics]

Graduate Courses of Reading and Research

Odd numbers designate courses of preliminary reading or experimental research. Even numbers designate thesis research and are to be used only when an instructor has agreed to supervise a student's research for the doctorate. Reading and Research courses largely concerned with physics are offered under the sponsorship of several other departments, particularly Astronomy, Chemistry, and Earth and Planetary Sciences; and of the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Science, and Engineering Sciences).

***Physics 301,302. Experimental Atomic and Elementary Particle Physics**

Catalog Number: 1735,1736

Gerald Gabrielse 1768

***Physics 305,306. Experimental High Energy Physics**

Catalog Number: 7929,0855

John Huth 3506

***Physics 307,308. Experimental Atomic Physics, Bose-Einstein Condensation, & Quantum Optics**

Catalog Number: 7534,3277

Lene V. Hau 2151

***Physics 309,310. Topics in Elementary Particle Theory**

Catalog Number: 4556,4561

Cumrun Vafa 2069

***Physics 311,312. Experimental Atomic, Molecular, and Low-Energy Particle Physics**

Catalog Number: 6839,6838

John M. Doyle 3507 (on leave spring term)



***Physics 313,314. Topics in String Theory, Quantum Gravity and Field Theory**

Catalog Number: 9411,5350

Juan Maldacena 3697 (on leave 2000-01)

***Physics 315,316. Topics in Theoretical Atomic, Molecular, and Optical Physics**

Catalog Number: 7387,8871

Eric J. Heller 1074

***Physics 319,320. Topics in Experimental High Energy Physics**

Catalog Number: 4520,4521

Melissa Franklin 2500

***Physics 321,322. Experimental Soft Condensed Matter Physics**

Catalog Number: 9963,7098

David A. Weitz 2497

***Physics 323. Nanostructures and Mesoscopic Physics**

Catalog Number: 3629

Charles M. Marcus 2890

***Physics 324. Nanostructures and Mesoscopic Physics**

Catalog Number: 9079

Charles M. Marcus 2890

***Physics 325,326. Electronic Theory of Condensed Matter**

Catalog Number: 2946,2952

Henry Ehrenreich 2411 (on leave spring term)

***Physics 327,328. Topics in Condensed Matter Physics**

Catalog Number: 5969,6524

David R. Nelson 5066 (on leave 2000-01)

***Physics 329,330. Solid State and Statistical Theory**

Catalog Number: 6198,6373

Bertrand I. Halperin 4755

***Physics 331. Topics in Experimental High Energy Physics**

Catalog Number: 2727

Andrew Foland 3335

***Physics 332. Topics in Experimental High Energy Physics**

Catalog Number: 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. Topics in Experimental High Energy Physics**

Catalog Number: 1809

Masahiro Morii 3798

***Physics 338. Topics in Experimental High Energy Physics**

Catalog Number: 6368

Masahiro Morii 3798

***Physics 339,340. Theory and Elementary Particles**

Catalog Number: 3676,5962

Sheldon L. Glashow 2123

***Physics 341,342. Topics in Elementary Particles**

Catalog Number: 1990,6602

Sidney Coleman 2111

***Physics 345,346. Experimental Gravitation: Radio and Radar Astronomy**

Catalog Number: 5067,5072

Irwin I. Shapiro 7660

***Physics 351,352. Experimental Low Energy Physics**

Catalog Number: 1134,1129

Costas D. Papaliolios 2970

***Physics 353,354. Topics in Statistical Physics**

Catalog Number: 3721,5287

Paul C. Martin 2103

***Physics 355,356. Theory of Elementary Particles**

Catalog Number: 1213,7654

Roy J. Glauber 2113

***Physics 357,358. Experimental Condensed Matter Physics**

Catalog Number: 4430,5227

Robert M. Westervelt 6148



***Physics 361,362. Topics in Condensed Matter and Statistical Physics**

Catalog Number: 3750,4793

Daniel S. Fisher 2600 (on leave spring term)

***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 (on leave fall term)

***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 (on leave spring term)

***Physics 377,378. Theoretical High Energy Physics**

Catalog Number: 1436,2007

Tai T. Wu 1051 (on leave spring term)

***Physics 379,380. Topics in Elementary Particle Research and String Theory**

Catalog Number: 7523,7524

Andrew Strominger 3700 (on leave spring term) (on leave spring term)

***Physics 383,384. Low Temperature Physics of Quantum Fluids and Solids; Ultra High Pressure Physics**

Catalog Number: 3851,4395

Isaac F. Silvera 7468



***Physics 385,386. Topics in Biophysics**

Catalog Number: 5901,5902

Howard C. Berg 1377 (on leave 2000-01)

***Physics 387,388. Topics in Quantum Optics and Molecular Physics**

Catalog Number: 5772,5774

Eric Mazur 7952

***Physics 391,392. Gravitation Theory and Astrophysical Applications**

Catalog Number: 6119,6293

William H. Press 4693 (on leave fall term)

***Physics 393,394. Topics in Elementary Particle Theory**

Catalog Number: 6051,6218

Howard Georgi 4754 (on leave spring term)

***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 (on leave 2000-01)*)

Kenneth A. Shepsle, George D. Markham Professor of Government (*Acting Chair (on leave spring term)*)

Alberto F. Alesina, Professor of Economics and of Government

Christopher N. Avery, Associate Professor of Public Policy (*Kennedy School*)

George J. Borjas, Professor of Public Policy (*Kennedy School*)

Cary Coglianese, Assistant Professor of Public Policy (*Kennedy School*)

Suzanne J. Cooper, Assistant Professor of Public Policy (*Kennedy School*)

Jeffrey Frieden, Stanfield Professor of International Peace, Acting Director of the Weatherhead Center for International Affairs

Edward L. Glaeser, Professor of Economics (*on leave 2000-01*)

Jerry R. Green, John Leverett Professor in the University, David A. Wells Professor of Political Economy, and Taussig Professor of Economics (*on leave spring term*)



William W. Hogan, Thornton Bradshaw Professor of Public Policy and Management (*Kennedy School*) (*ex officio*) (*on leave 2001-02*)
 Joseph P. Kalt, Ford Foundation Professor of Political Economy (*Kennedy School*)
 Gary King, Professor of Government
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*ex officio*)
 Lisa L. Martin, Professor of Government (*on leave fall term*)
 Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy
 Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
 Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
 David A. Wise, John F. Stambaugh Professor of Empirical Analysis (*Kennedy School*)
 Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

The Ph.D. in Political Economy and Government (PEG degree) is intended for scholars interested in either academic or policy-making careers requiring advanced knowledge of both economics and political science. It is appropriate only for the small number of students whose academic interests are not served by doctoral studies in economics, political science, or public policy.

Candidates for the PEG degree are typically in residence for at least two years before undertaking an oral general examination. Course work integrates economics, political science, and other social sciences. Satisfactory completion of the general examination is a prerequisite for writing a dissertation. Continuation of candidacy is contingent upon suitable progress and achievement during each academic year.

Applicants to this program must present their academic credentials, career plans, and a tentative outline of their proposed program of residence and research. Recent scores from the aptitude portion of the Graduate Record Examination are required, as are transcripts for all prior study and letters of recommendation. Application forms and leaflets describing field and other requirements are available at the Graduate School of Arts and Sciences. For further information on faculty, programs, and courses in the John F. Kennedy School of Government, see the school's catalog and courses of instruction.

For more information about the doctoral program, visit the program website at www.ksg.harvard.edu/ksg.doctoral/.

Psychology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of Psychology

Daniel L. Schacter, Professor of Psychology (*Chair*)
 Nalini Ambady, John and Ruth Hazel Associate Professor of the Social Sciences
 Mark G. Baxter, Assistant Professor of Psychology
 Alfonso Caramazza, Professor of Psychology
 Patrick Cavanagh, Professor of Psychology
 Patricia Deldin, Associate Professor of Psychology
 L. Dodge Fernald, Senior Lecturer on Psychology
 William Tecumseh Fitch, Lecturer on Psychology
 Daniel T. Gilbert, Professor of Psychology
 J. Richard Hackman, Cahners-Rabb Professor of Social and Organizational Psychology
 Marc D. Hauser, Professor of Psychology
 Jill M. Hooley, Professor of Psychology
 Pamela Kohl Keel, Assistant Professor of Psychology
 Lauren Korfine, Lecturer on Psychology, Lecturer on Women's Studies (*fall term only*)
 Stephen M. Kosslyn, John Lindsley Professor of Psychology (*Head Tutor*)
 Sharon H. Kramer, Lecturer on Psychology
 Ellen J. Langer, Professor of Psychology (*on leave spring term*)
 Michelle D. Leichtman, Associate Professor of Psychology (*on leave 2000-01*)
 Mark Francis Lenzenweger, Associate Professor of Psychology (*on leave fall term*)
 Douglas Anthony Luke, Lecturer on Psychology (*spring term only*)
 Anne Maureen McGuire, Lecturer on Psychology
 Mark H. McManis, Lecturer on Psychology
 Richard J. McNally, Professor of Psychology (*Chair, Committee on Higher Degrees*)
 Ken Nakayama, Edgar Pierce Professor of Psychology
 Robert L. Savoy, Lecturer on Psychology (*fall term only*)
 Daniel J. Simons, John L. Loeb Associate Professor of the Social Sciences (*on leave spring term*)
 Philip Stone, Professor of Psychology (*on leave 2000-01*)
 R. Bruce Thompson, Lecturer on Psychology
 Daniel M. Wegner, Professor of Psychology
 Sheldon H. White, John Lindsley Professor of Psychology (*on leave fall term*)

Other Faculty Offering Instruction in the Department of Psychology

Teresa M. Amabile, Edsel Bryant Ford Professor of Business Administration (*Business School*)
 John Barnard, Lecturer on Statistics
 Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)
 Kurt W. Fischer, Professor of Education (*Education*)
 Howard E. Gardner, Professor of Education (*Education*)
 Carol F. Gilligan, Professor of Education (*Education*)
 Anne Harrington, Professor of the History of Science (*on leave spring term*)
 Gene M. Heyman, Lecturer on Psychology (*Medical School*)
 Dara S. Manoach, Assistant Professor of Neurology (*Medical School*)
 William P. Milberg, Associate Professor of Psychiatry in the Department of Psychiatry (*Medical School*)



Margaret G. O'Connor, Assistant Professor of Neurology (*Medical School*)
Donald B. Rubin, Professor of Statistics
Robert L. Selman, Professor of Psychology (*Medical School*) and Professor of Education (*Education*)
Catherine E. Snow, Henry Lee Shattuck Professor of Education (*Education*)
Robert A. Stickgold, Assistant Professor of Psychiatry (*Medical School*)
Alan Abraham Stone, Professor of Law and Psychiatry (*Law School and Medical School*)
Mark Tramo, Assistant Professor of Neurology (*Medical School*)
Bert Vaux, Associate Professor of Linguistics (*on leave spring term*)

The following courses offered in Human Development at the Graduate School of Education automatically count for undergraduate concentration credit:

Education H-125. Art and the Mind: A Cognitive View of the Arts, Development, and Education

Education H-135. Extraordinary Intellectual Achievement: Its Explanation and its Nurturance

[*Education H-155. Seminar: Methods and Concepts in Research on Dynamic Development of Emotion of Cognition]

*Education H-173. The Role of the Disciplines in Education Today

*Education H-390. The Promotion of Interpersonal Development and Intergroup Competence

*Education H-391. Research Seminar: The Development of Interpersonal Competence

Education H-637. A Radical Geography of the Psyche

Education H-710. Child Language and Education I

Education H-843. The Development of Writing

Cross-registration with instructors' and departmental signature is required. Forms for cross-registration are available in Senior Tutors' offices.

The above courses; H-090, Proseminar in Human Development and Psychology; and H-731, Bilingualism and Second Language Acquisition: Psycholinguistic and Planning Perspectives, are also particularly recommended for graduate students.

For full course descriptions, consult the School of Education course catalog.

Primarily for Undergraduates

Psychology 1. Introduction to Psychology

Catalog Number: 0854

Patrick Cavanagh (spring term) and Richard J. McNally (fall term)



Half course (fall term; repeated spring term). Fall: Tu., Th., 2:30–4 and one hour to be arranged; Spring: M., W., 2–3:30 and one hour to be arranged. EXAM GROUP: Fall: 16, 17; Spring: 7, 8

Surveys historical and contemporary approaches to the scientific study of human behavior. Introduces students to the bases of sensation, perception, and emotion; human development and learning; personal and social influences on behavior, personality, and psychopathology.

Psychology 13. Cognitive Psychology

Catalog Number: 8706

Daniel J. Simons

Half course (fall term). Tu., Th., 10–11:30, and a one-hour section meeting to be arranged.

EXAM GROUP: 12, 13

Introduces the study of human cognition. Topics include perception, attention, memory, knowledge representation, language, problem solving, and reasoning. Considers the real-world implications of laboratory findings.

Prerequisite: Psychology 1, or permission of the instructor.

Psychology 15. Social Psychology

Catalog Number: 4760

Brian R. Little (spring term) and Daniel M. Wegner (fall term)

Half course (fall term; repeated spring term). Spring: Tu., Th., at 10. EXAM GROUP: Spring: 12

Examines social psychological processes relevant to perspectives on the self, prejudice and stereotyping, mindfulness theory, social cognition, social influence and group processes, and applications to law, education, and health.

Psychology 16. Human Development

Catalog Number: 1483

R. Bruce Thompson

Half course (fall term). Tu., Th., 11:30–1 and a weekly section to be arranged. EXAM GROUP: 13, 14

Explores the entirety of human development encompassing growth and change from conception and prenatal development, through infancy, childhood, adolescence, and beyond. Focuses on the central issues of physical, cognitive/linguistic, social, and emotional development. These topics will be addressed by exploring classic and contemporary research contributions in child and life-span development. Also explores current issues and debates in education and research, with an emphasis on being able to comment critically on trends in methodology and application of development research.

[Psychology 17. Personality Psychology]

Catalog Number: 4538

Half course (fall term). M., W., at 10, and a one-hour section meeting to be arranged. EXAM GROUP: 3

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.

Note: Expected to be given in 2001–02.

Prerequisite: An introductory course in psychology, preferably Psychology 1.

Psychology 18. Abnormal Psychology

Catalog Number: 8560

Pamela Kohl Keel

Half course (fall term). Tu., Th., 2:30–4 and a one-hour section meeting to be arranged. EXAM GROUP: 16, 17

Introduction to the study of psychopathology. Focus 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.

Note: Cannot be taken Pass/Fail.

Prerequisite: An introductory course in psychology.

***Psychology 910r. Supervised Research**

Catalog Number: 1472

Stephen M. Kosslyn and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent empirical research (laboratory or field) conducted under the supervision of a departmental faculty member.

Note: Research report or equivalent paper required. Admission to course via application (available in Psychology Undergraduate Office). May be taken not more than three times for College credit and only once for honors concentration credit. Psychology 910r and 920r can be taken a total of three times for non-honors concentration credit.

***Psychology 920r. Supervised Reading**

Catalog Number: 3577

Stephen M. Kosslyn and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent reading on topics not covered by regular courses of instruction.

Note: Paper required. Admission to course via application (available in Psychology Undergraduate Office). May be taken not more than three times for College credit and not at all for honors concentration credit. Psychology 920r and 910r can be taken a total of three times for non-honors concentration credit.

***Psychology 970. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 8008

Stephen M. Kosslyn and members of the Department

Full course. Hours to be arranged.

Examines selected issues and phenomena addressed in contemporary psychological research. Special attention to examining topics from a variety of perspectives, to reading primary sources in the field, and to developing thinking, writing, research, and discussion skills.

Note: This tutorial, or Psychology 971, is required of concentrators upon entering the concentration, normally in the sophomore year. Sophomore Essay required. Letter-graded.



***Psychology 971. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 3498

Stephen M. Kosslyn and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Examines selected issues and phenomena addressed in contemporary psychological research.

Special attention to examining topics from a variety of perspectives, to reading primary sources in the field, and to developing thinking, writing, research, and discussion skills.

Note: This tutorial is designed for students who enter the concentration after the first semester of the sophomore year. For assignment to a section, speak to the Undergraduate Program

Administrator before Study Cards are due. Sophomore Essay required. Letter-graded. Students who take this course instead of Psychology 970 must take an additional concentration elective to fulfill the full-year tutorial requirement.

***Psychology 980a. Becoming Who We Are: Issues in Social Development**

Catalog Number: 6988 Enrollment: Limited to 15.

Stephen M. Kosslyn and members of the Department

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines theory and empirical research pertaining to basic issues in both developmental and social psychology. Through weekly discussion, students will be encouraged to think about how developmental processes interact with social environment to foster such things as a sense of self, morality, gender identity, family dynamics, and styles of interpersonal communication. By doing so, students should arrive at a better understanding of how psychological research can help us understand the world and ourselves.

***Psychology 985. Junior Tutorial: Honors Thesis Preparation**

Catalog Number: 2343

Stephen M. Kosslyn and members of the Department

Half course (fall term; repeated spring term). Fall term: Hours to be arranged; Spring term:

Hours to be arranged, plus occasional required group meetings M., at 4. EXAM GROUP: Fall: 9

Supervised reading and research normally resulting in an honors thesis prospectus. Supplemental group meetings to discuss topic and adviser selection, methodology, prospectus writing, and the prospectus meeting.

Note: Normally limited to junior psychology concentrators. Admission to course via application (available in Psychology Undergraduate Office). Graded SAT/UNS. Full prospectus or term paper required.

Psychology 987. Junior Tutorials: Mind/Brain/Behavior

Interdisciplinary seminars that address current research topics in mind/brain/behavior from a variety of perspectives. Enrollment preference given to juniors in Mind/Brain/Behavior tracks.

***Psychology 987a. The Interface between Cognitive Neuroscience and Neuropsychology: What Patients Teach Us About Theories of the Mind**

Catalog Number: 1424

Dara S. Manoach (Medical School) and Margaret G. O'Connor (Medical School)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18



In this seminar we will evaluate cognitive neuroscience models of brain function using the clinical case study approach. Patients with a variety of neuropsychological syndromes will be presented, discussed, and used to challenge current theories. We will review a variety of assessment techniques including neuropsychological evaluation and neuroimaging. Students will take turns reviewing the recent literature relevant to presented cases.

***Psychology 987b. Music, Mind, and Brain**

Catalog Number: 7107

Mark Tramo (Medical School)

Half course (spring term). Th., 6:30–9:30 p.m.

This course takes a multidisciplinary approach to understanding neural systems that govern music perception and cognition. Students expected to master topics in acoustics, music theory, psychophysics, cognitive psychology, auditory development, neurophysiology, neuroanatomy, and neurology. Similarities and differences between music and language with respect to their underlying mental operations and brain mechanisms explored.

[*Psychology 987c. Multidisciplinary Perspectives on Drug Policy]

Catalog Number: 1082

Half course (spring term). Hours to be arranged.

Applies the perspectives of molecular psychiatry, psychology, epidemiology, and sociology to the problem of substance abuse, with a special focus on cocaine and other drugs, including legal drugs. The perspectives illuminate fundamental public policy choices about primary systems we use to respond to substance abuses—the criminal justice and health care systems—and will particularly suggest a closer working relationship between these systems, especially in urban poverty areas. The course will also examine the challenges in developing community strategies to address substance abuse. Readings drawn from the literature of neurobiology, psychiatry, psychology, public health, public policy, law, and history.

Note: Expected to be given in 2001–02.

[*Psychology 987d (formerly *Psychology 1055). Social Cognitive Neuroscience: Seminar]

Catalog Number: 7953

Daniel T. Gilbert

Half course (fall term). Hours to be arranged.

Explores a handful of topics from the perspectives of social psychology, cognitive psychology, and neuropsychology. For any given phenomenon (e.g., the cognitive control of emotion), social psychology emphasizes phenomenology (what do people do when they want to manage their moods?), cognitive psychology emphasizes information-processing models (how might cognitive and emotional systems be designed to control each other?), and neuropsychology emphasizes biological underpinnings (where in the brain does emotional control occur?). The seminar offers a multi-level analysis of complex phenomena and attempts to integrate otherwise disparate approaches to similar problems.

Note: Expected to be given in 2001–02.

***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

This course focuses on waking, sleeping, and dreaming as examples of conscious states in both humans and animals. After an initial introduction to the concept of conscious states and the various ways of approaching the study of wake-sleep states, the course spends most of its time reviewing what is known about sleep and dreaming from the perspectives of physiology, psychology, and cognitive neurosciences. It then describes various approaches to understanding the function of sleep and presents several theories as to this function. Finally, it offers an argument for a critical role of sleep and dreaming in memory consolidation and integration, attempts to relate this to the question of the “meaning” of dreams, and ends with a second, more sophisticated review of the nature and function of conscious states.

***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.

***Psychology 987h. The Dynamics of Drug Addictions**

Catalog Number: 5541

Gene M. Heyman (Medical School)

Half course (fall term). W., 6–8 p.m. EXAM GROUP: 9

Focuses on behavioral characteristics of drug addictions, such as historical trends and relapse rates; drug-induced changes in brain and behavior; individual differences associated with addiction (especially in regard to cognition and “executive function”); and the distinction between voluntary and involuntary behavior. These topics discussed in regard to both licit and illicit drugs and general psychological and biological principles.

Senior Tutorial

***Psychology 990. Senior Tutorial: Honors Thesis in Psychology**

Catalog Number: 3553

Stephen M. Kosslyn and members of the Department

Full course. Hours to be arranged, plus occasional, optional but highly recommended group meetings M., at 4.

Individual supervised thesis research supplemented with group meetings to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research).

Note: Required of and limited to honors senior psychology concentrators. Graded SAT/UNS.

Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Prerequisite: Advanced methods course.



***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain, Behavior)**

Catalog Number: 4990

Stephen M. Kosslyn, Ken Nakayama and members of the Department.

Full course. Hours to be arranged. EXAM GROUP: Fall: 9

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 Cognitive Neuroscience 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

L. Dodge Fernald and members of the Department

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A capstone course aimed at an integrated review of the field through seminar discussions, oral reports, field experience, practitioner interviews, and independent research. Focus is upon the perspectives and prescriptions in contemporary psychology.

Note: Designed for senior concentrators not engaged in an honors thesis.

Cross-listed Courses

Biological Sciences 80 (formerly Biological Sciences 25). Behavioral Neuroscience

Science B-44. Vision and Brain

Statistics 100. Introduction to Quantitative Methods

Statistics 101. Introduction to Quantitative Methods

Statistics 102. Fundamentals of Biostatistics

Statistics 104. Introduction to Quantitative Methods

For Undergraduates and Graduates

***Psychology 1152 (formerly Anthropology 130). Animal Cognition: Laboratory**

Catalog Number: 1805 Enrollment: Limited to 12. Limited to 12. Preference given to Psychology undergraduates and students in the Mind/Brain/Behavior program.

Marc D. Hauser

Half course (spring term). M., 5:30–7:30 p.m., with additional hours to be arranged. EXAM GROUP: 9

An introduction to issues, laboratory techniques, and field methodology in animal cognition. Students develop and pilot research projects. Empirical research is accompanied by a critical reading and discussion of papers on such topics as language evolution, concept acquisition, acoustic perception, and domain-specific knowledge.

Prerequisite: Science B-29 or Biology 22 or permission of instructor.



[*Psychology 1201 (formerly *Psychology 2260). Psychopharmacology]

Catalog Number: 6717 Enrollment: Limited to 30.

Half course (spring term). Hours to be arranged.

Provides an overview of basic pharmacology and neuroscience before covering topics related to preclinical and clinical psychopharmacology. Specifically, examines drugs used in treatment of mental/neurological disorders in addition to those substances that have abuse potential.

Note: Expected to be given in 2001–02.

Prerequisite: Biological Sciences 25 or 80 or Psychology 1 or permission of instructor.

***Psychology 1203. Functional Neuroimaging: Methods and Results**

Catalog Number: 2876 Enrollment: Limited to 20.

Robert L. Savoy

Half course (fall term). Tu., Th., 2–3:30; Th., at 3:30 and a weekly section Th., 3:30–4:30. EXAM GROUP: 16, 17

Functional mapping of the human brain is an area of rapid growth, both scientifically and technologically. This class deals with the methods and experimental results of recent developments in functional neuroimaging: making pictures of the working human brain. The underlying physics and physiology for various methods for monitoring human brain function will be presented. Data analysis, including the creation of “maps” of the localization of brain function, will be examined in detail. Emphasis will be on the techniques of Functional Magnetic Resonance Imaging (fMRI), but all modalities will be discussed. Students will be required to design experiments, in consultation with the instructor.

[*Psychology 1251 (formerly Psychology 2270). Neural Networks]

Catalog Number: 3146

Half course (fall 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. Comparisons between abstract connectionist models, detailed biophysical models and experimental data will be a major discussion focus in this seminar.

Note: Expected to be given in 2001–02.

***Psychology 1252. Neurobiology of Learning and Memory: Seminar**

Catalog Number: 8580 Enrollment: Limited to 20. Limited to 20. Graduate students encouraged to enroll.

Mark G. Baxter

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Consideration of experimental studies aimed at defining the neural systems involved in learning and remembering different types of information. The primary focus will be research attempting to assign specific mnemonic functions to specific brain areas, and theories attempting to integrate what is known about the biological organization of the brain with the psychological



phenomena of learning and memory.

Prerequisite: Psychology 1 and Biological Sciences 25 or 80.

***Psychology 1254. Neuropsychology of Aging and Dementia**

Catalog Number: 9109 Enrollment: Limited to 20. Limited to 20. Graduate students encouraged to enroll.

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 25 or 80.

[Psychology 1301 (formerly Psychology 1430). Human Memory and Cognition]

Catalog Number: 8377

Daniel L. Schacter

Half course (spring term). Hours to be arranged.

Surveys current data and theory concerning human memory from both cognitive and neuropsychological perspectives. Topics considered include short-term memory, encoding and retrieval processes, forgetting, schemas and scripts, metamemory, implicit memory, drug effects on memory, amnesic syndromes, and aging memory.

Note: Expected to be given in 2001–02.

Prerequisite: Psychology 1.

Psychology 1302 (formerly Psychology 1500). Psychology of Language

Catalog Number: 0295

Alfonso Caramazza

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An examination of the psychological processes that underlie the use of language. Studies of normal performance as well as research on language impairments in brain-damaged patients are considered. Topics include sentence comprehension and production, reading and writing, and the role of memory, perception, and attention in language processing.

Psychology 1303. Cognitive Neuroscience

Catalog Number: 1052

William Tecumseh Fitch

Half course (fall term). Tu., Th., 11:30–1 and a weekly section meeting to be arranged. EXAM GROUP: 13, 14

Despite phenomenal advances in our understanding of the nervous system in the last decade, many fundamental questions concerning the relation between brain and mind remain unanswered. How are memories stored and retrieved? How is sensory input converted to subjective percept? Is the brain a general-purpose learning machine or a toolbox of innate, specialized processors? This course introduces the methods, findings, and controversies of cognitive neuroscience. A comparative, developmental perspective will be adopted throughout,



using data from animals and young children to inform theories of human cognition and brain evolution. Students will learn to read the primary literature and evaluate it from both theoretical and empirical perspectives.

***Psychology 1350 (formerly *Psychology 2350). Memory and Amnesia: Seminar**

Catalog Number: 6014

Daniel L. Schacter

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines memory and amnesia from cognitive, neuropsychological, evolutionary, and psychobiological perspectives. Focuses on the idea that memory problems can be divided into seven fundamental types: transience, absent-mindedness, blocking, misattribution, suggestibility, bias, and persistence.

[*Psychology 1353. Laboratory in Human Cognition]

Catalog Number: 8207

Daniel J. Simons

Half course (spring term). Hours to be arranged.

Considers all phases of conducting research in cognitive psychology. Students run and modify classic experiments as well as design and conduct original research.

Note: Expected to be given in 2001–02.

Prerequisite: Psychology 13 or permission of instructor.

[Psychology 1354. Models of Lexical Access: Seminar]

Catalog Number: 1463

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Review of current models of lexical access in language production and comprehension.

Experimental evidence with normal and brain-damaged speakers will be considered.

Note: Expected to be given in 2001–02.

***Psychology 1357. Evolution of Language**

Catalog Number: 9255 Enrollment: Limited to 20.

William Tecumseh Fitch and Bert Vaux

Half course (spring term). W., 4–6. EXAM GROUP: 9

Because human language differs so radically from the communication systems of other animals, language has been termed an “embarrassment for evolutionary theory.” Nonetheless, debate about the evolution of language has sparked a large and rapidly growing literature asking how this most human of abilities arose during the course of human evolution. In this seminar, we will read and critique both classic and recent work on language evolution, evaluating current data and hypotheses from a Darwinian perspective. Required background material will be taught in a series of introductory lectures by professors, followed by guest lectures by some of the world’s leading experts on language evolution.

Prerequisite: One or more of the following courses: Science B-16 (History of Life), Science B-29 (Human Behavioral Biology), Linguistics 110 (Introduction to Linguistics), Psychology 1302 (Psychology of Language), Biology 17 (Evolution), Biological Sciences 2 (Organismic and Evolutionary Biology), or Biological Sciences 51 (Integrative Biology of Organisms).



Psychology 1401. Perception: Touch, Taste, and Sound

Catalog Number: 4372

William Tecumseh Fitch

Half course (spring term). Tu., Th., at 10 and a weekly section meeting to be arranged. EXAM GROUP: 12

The complex process by which information is gathered by our sensory organs and converted to a subjective percept has been studied most intensively in the visual domain, but a huge body of research focuses on audition and olfaction as well. This course will focus on these senses, and is intended to complement Science B-44 (Vision and Brain). Introduces the experimental methods and findings of auditory and olfactory neuroscience and psychology, touching more briefly on the tactile sense and taste. Also addresses the difficult question of how the different sensory modalities are combined to form a holistic multimodal percept of the world. In the laboratory portion of the course, students will master basic experimental techniques and create and run original experiments in psychophysics.

Psychology 1501. Social Psychology of Organizations

Catalog Number: 0823

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.

[Psychology 1502. Psychology Applied to Business]

Catalog Number: 4239

Philip Stone

Half course (spring term). Hours to be arranged.

Redesigned course examines importance of individual identity, self-esteem, personal strengths and signature themes, levels of engagement, performance standards, reward systems, and organizational cultures in shaping effective job matches and project-team participation. Includes case studies and videos. Open to students without prior background in psychology.

Note: Expected to be given in 2001–02.

[Psychology 1505. Intergroup Relations]

Catalog Number: 3832

Half course (fall term). Hours to be arranged.

Are members of minority groups vulnerable to stereotypes? How does prejudice develop? How do minorities cope with discrimination? What are some of the unintended consequences of affirmative action? This lecture course aims to answer questions like these by focusing on the social psychology of relations between societal groups such as the majority, ethnic and racial minorities, and women. An introduction to intergroup relations is given, followed by a systematic review of current theories in intergroup relations. Contemporary issues are then



explored, including stereotypes, prejudice and discrimination, and affirmative action.

Note: Expected to be given in 2001–02.

Prerequisite: Psychology 1 (may be taken concurrently).

Psychology 1506. Social Relationships

Catalog Number: 9327

Anne Maureen McGuire

Half course (spring term). M., W., 1–2:30 and a weekly section meeting to be arranged. EXAM GROUP: 6, 7

Reviews empirical studies of friendships, dating, and long-term relationships (including marriage). Topics include types and functions of social relationships; effects of individual differences (sex, attachment style, sexual orientation); processes of relationship formation, maintenance, and dissolution, including attraction, love, social support, sexuality, communication, jealousy, and conflict. Draws from perspectives in social psychology (social roles, equity, social exchange), evolutionary biology (reciprocal altruism, mate choice), and economics. Readings cover relationships in a variety of human societies.

Prerequisite: Psychology 1, 13, 15, 16, or 17 or permission of the instructor.

***Psychology 1558r. Supervised Research Experience in Social Psychology**

Catalog Number: 4067

Daniel T. Gilbert

Half course (fall term; repeated spring term). Hours to be arranged. First fall term meeting on Friday, September 22nd at 12 p.m. First spring term meeting is on Friday, February 2nd at 12 p.m.

Provides students with experience conducting social psychology research under the direct supervision of a graduate student mentor, each of whom offers a unique program of work and instruction. Students perform literature searches, create experimental materials, recruit and test human subjects, code and analyze data, and so on. This course affords students a “hands on” experience of the research process in social psychology and an opportunity to work closely with a graduate student mentor.

[*Psychology 1559. Interpersonal Influence and Communication: Seminar]

Catalog Number: 4489 Enrollment: Limited to 15. Limited to 15.

Nalini Ambady

Half course (spring term). Hours to be arranged.

Surveys influence and communication in dyadic relationships. Topics include nonverbal and verbal communication, universals of politeness, gender and culture, impression management, deception, and influence and communication in various dyadic relationships such as teacher-student, manager-employee, and romantic and marital relationships.

Note: Expected to be given in 2001–02. Graduate students are welcome to enroll.

***Psychology 1560r (formerly Psychology 2650r). Interpersonal Influence and Communication: Laboratory**

Catalog Number: 6494

Nalini Ambady

Half course (fall term; repeated spring term). M., 2–4. EXAM GROUP: 7, 8



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). Hours to be arranged.

Analyses of themes reflecting motives, attitudes, cognitive styles, attributional tendencies, and perceived interpersonal relationships, as found in interview and focus-group transcripts, open-ended survey responses, corporate reports, and editorials and newspaper accounts. Enlists computer-aided procedures for analyzing theme patterns within large amounts of text.

Note: Expected to be given in 2001–02. Open also to undergraduate and graduate students outside of Psychology.

[*Psychology 1564. Designs for a Positive Psychology: Seminar]

Catalog Number: 6442

Philip Stone

Half course (fall term). Hours to be arranged.

Builds upon an American Psychological Association initiative to foster psychological research with applications for developing flourishing, fulfilling lives as well as thriving families and communities. Student projects will each study a domain of psychology for its potential contributions to a well-grounded, valid positive psychology.

Note: Expected to be given in 2001–02.

***Psychology 1565. Conscious Will: Seminar**

Catalog Number: 4113 Enrollment: Limited to 20.

Daniel M. Wegner

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

What causes the feeling that we cause our actions? This course examines questions of free will vs. determinism and mind vs. body by probing anomalies of will—from phantom limbs, Ouija boards, and dowsing rods to hypnosis, dissociative identity disorder, and spirit possession.

***Psychology 1566. Social Psychology in the Legal Process: Seminar**

Catalog Number: 6898 Enrollment: Limited to 25.

Sharon H. Kramer

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the relevance of certain aspects of social psychology to the American legal process. Topics include research on group decision making and its relevance to jury decision making; reliability and credibility of hearsay testimony and eyewitness testimony; nonverbal behavior in the courtroom.

Prerequisite: Psychology 15.

***Psychology 1567. Altruism and Aggression: Seminar**

Catalog Number: 2648 Enrollment: Limited to 25.



Anne Maureen McGuire

Half course (fall term). Th., at 1, Tu., 1–3 and either Th., 1-2 or Th., 2-3. EXAM GROUP: 15, 16
 Examines causes, consequences, and correlates of prosocial and antisocial behavior, drawing on theory and research in psychology and behavioral (evolutionary) biology. Analyzes types and taxonomies of helping and harming behaviors among intimates, friends, acquaintances, and strangers. Reviews a variety of immediate and distal processes, including elicitors and inhibitors of helping and harming; social learning and biological influences on the development of individual differences; and the effects of intra-individual factors (e.g., sex differences, impulsivity, testosterone, empathy) on aggression and altruism. Primary focus is on inter-individual behavior, with some attention to intergroup aggression (e.g., gangs) and collective helping (e.g., charitable giving). Examples will be drawn from a variety of cultures and subcultures, and from the social behavior of nonhuman species.

***Psychology 1604. Cognitive and Symbolic Development**

Catalog Number: 1453

Howard E. Gardner (Education)

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Provides an integrative survey of basic concepts and research in cognitive development from infancy to early childhood. Among the major theoretical orientations to be covered (from infancy to early adulthood) are those of Piaget, Vygotsky, information-processing psychology, neural networks, evolutionary psychology, modularity/constraints position, and the symbol systems approach. The relation of developmental psychology to schooling is treated at the end of the course.

Note: Offered jointly by Education as H-105.

Psychology 1605. Developmental Neuropsychology

Catalog Number: 7889

Mark H. McManis

Half course (spring term). Tu., Th., 1–2:30 and weekly section meetings to be arranged. EXAM GROUP: 15, 16

Surveys the methods and findings in the field of developmental neuropsychology. Cognitive and emotional competencies from infancy through adolescence will be considered from the perspective of the developing brain. Examines a variety of methods used to investigate brain activity and explores how they are used to address questions in developmental psychology.

Psychology 1606. Children's Language Development

Catalog Number: 4632

R. Bruce Thompson

Half course (spring term). Tu., Th., 10–11:30 plus a one-hour weekly section meeting to be arranged. EXAM GROUP: 12, 13

Surveys the development of children's language from birth through childhood. Introduces classic and contemporary theoretical accounts of language acquisition including competing theories of language in human evolution. Areas of linguistic development will include children's acquisition of syntactic and semantic knowledge, phonological development, along with pragmatic and metalinguistic knowledge. Also explores the origins and social significance of dialects and accents as well as their status within current educational debates.



[Psychology 1653. Cognitive Development: Seminar]

Catalog Number: 6712 Enrollment: Limited to 15.

Michelle D. Leichtman

Half course (fall term). Hours to be arranged.

Considers the development of cognition across the lifecourse, with emphasis on infancy and early childhood. Topics include memory, language, intelligence, culture, social cognition, and contextual influences. Examines contrasting theoretical perspectives on the nature of cognitive development.

Note: Expected to be given in 2001–02.

Prerequisite: Psychology 16 or concurrent enrollment, or permission of instructor.

***Psychology 1654. The Age of Reason**

Catalog Number: 6842

Sheldon H. White

Half course (spring term). W., 2–4.

Discusses research literature dealing with developmental changes in children near the age of schooling. A number of Western and non-Western societies conceive of this period as an age of reason. So, too, do some prominent theorists of human development. But the research now raises questions and holds out other possibilities, and these have interesting theoretical and practical implications.

Prerequisite: Two or more courses in psychology, or permission of the instructor.

***Psychology 1656. Motivation and Emotional Development: Seminar**

Catalog Number: 5879 Enrollment: Limited to 20.

Mark H. McManis

Half course (fall term). W., 1–3.

Explores, from different theoretical viewpoints, the role motivation plays in emotional development. Examines the link between motivation and emotion at various stages of development. Discusses the importance of emotional development in the overall picture of a child's development.

Prerequisite: Psychology 1 and 16 or permission of instructor.

***Psychology 1657. Personality and Social Development: Research Seminar**

Catalog Number: 6836 Enrollment: Limited to 15.

R. Bruce Thompson

Half course (fall term). Tu., 1–3 with additional laboratory times to be arranged. EXAM GROUP: 15, 16

Explores research addressing the processes of infant and child social and personality development. Focuses on four key areas of research: cognition, attachment theory, language development, and moral development. Within these broad areas, addresses issues and debates about the role of genes, gender, socialization, and neurological development as interacting forces that affect how infants and children acquire self/other awareness, identity, and social competence. Field research will supplement seminar discussions, and laboratories will teach basic methodological and statistical design techniques.

Prerequisite: Psychology 1 and 16, or concurrent enrollment.



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 1802. Psychophysiology]

Catalog Number: 3596

Patricia Deldin

Half course (spring term). Hours to be arranged.

The field of psychophysiology is concerned with the measurement of physiological responses as they relate to behavior. This course focuses on basic psychophysiological measurements (e.g., EEG, EKG, etc.) and their utility in understanding all areas of psychology.

Note: Expected to be given in 2001–02. Graduate students are encouraged to attend.

[*Psychology 1803. Eating Disorders]

Catalog Number: 4992 Enrollment: Limited to 15.

Pamela Kohl Keel

Half course (spring term). Hours to be arranged.

Examines the diagnosis, epidemiology, etiology, assessment, and treatment of eating disorders, including anorexia nervosa, bulimia nervosa, binge eating disorder, and subclinical eating disorders. Theories of appetite control and weight regulation also covered.

Note: Expected to be given in 2001–02. May not be taken Pass/Fail.

Prerequisite: An introductory course in psychology.

Psychology 1805. Personality and Personality Disorders

Catalog Number: 0290 Enrollment: Limited to 20.

Mark Francis Lenzenweger

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Focuses on interface between normal personality and personality disorder. Particular attention to the DSM–IV defined personality disorders. Current theoretical models of personality disorder will be surveyed and the possible connections with models of normal personality explored. Examines this theoretical and empirical literature from multiple vantage points and levels of analysis, such as the genetic, neurobiological, cognitive, emotional, temperament, trait, and familial.

Note: Preference to juniors and seniors. Graduate students are also welcome.

Prerequisite: Psychology 1, 17, and 18.

Psychology 1806. Sex, Gender, and Psychopathology

Catalog Number: 4518

Lauren Korfine

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Examines the way in which sex and gender impact the expression of severe psychopathology. Explores biological, psychological, and cultural factors associated with sex and gender as they influence the epidemiology, phenomenology, etiology, and course of illness in major forms of psychopathology: specifically, schizophrenia, major affective illness, anxiety disorders, eating disorders, and personality disorders. These topics will be examined through the frameworks of psychological science and feminism in an attempt to understand the effects that gender and science have on one another and the ways in which they influence the understanding of mental illness.

Psychology 1807. Psychophysiology of Psychopathology

Catalog Number: 1203

*Patricia Deldin**Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*

The field of psychophysiology is concerned with the measurement of physiological responses as they relate to emotion, cognition, and behavior. This course focuses on how basic physiological measures (e.g., EEG, EKG, ERPs) can be useful in understanding both normal and abnormal psychological processes.

Prerequisite: Psychology 18.

***Psychology 1851. Introduction to Clinical Science**

Catalog Number: 6392 Enrollment: Limited to 20.

*Jill M. Hooley**Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17*

This course is designed to extend the material covered in Psychology 18 (Abnormal Psychology) in a more clinical direction. Provides students with an opportunity to approach issues in clinical psychology from a scientist-practitioner perspective. Focuses on how research-based approaches to the study and treatment of psychopathology can translate into high quality ethical care for patients with major psychiatric problems.

Prerequisite: Psychology 18, and at least one other course in psychopathology. No exceptions. Psychology 18 may be taken concurrently.

***Psychology 1854. Schizophrenia: Seminar**

Catalog Number: 2771 Enrollment: Limited to 25.

*Jill M. Hooley**Half course (spring term). W., 2–4. EXAM GROUP: 7, 8*

Examines schizophrenia and schizophrenia-spectrum disorders from biological, psychological, and psychosocial perspectives. Focuses on early (e.g., Kraepelin) and modern (e.g., DSM-IV) perspectives, clinical case descriptions of the disorder, and recent theoretical and empirical developments in understanding etiology, phenomenology, and treatment.

Prerequisite: Psychology 18.

Psychology 1855. Mood Disorders: Seminar

Catalog Number: 6867

*Patricia Deldin**Half course (spring term). M., 1–3. EXAM GROUP: 6, 7*

Examines current theory and research on the etiology and treatment of mood disorders (e.g.,



unipolar and bipolar disorder, dysthymia). Cognitive, behavioral, and biological approaches are emphasized.

Prerequisite: Psychology 18.

***Psychology 1856r. Laboratory in Psychophysiology**

Catalog Number: 7521

Patricia Deldin

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

An advanced psychophysiology course designed to give students “hands-on” psychophysiology research experience. Theoretical psychophysiology background required.

Prerequisite: Psychology 1807.

Psychology 1858. Borderline Personality Disorder: Seminar

Catalog Number: 2035

Lauren Korfine

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the theoretical and empirical literature concerned with the emotional, cognitive, and interpersonal characteristics associated with borderline personality disorder. Focuses on early and modern clinical perspectives, as well as the interface with emotion and personality research relevant to the expression of these traits. Recent empirical developments from neurobiological, psychological, and cultural perspectives will be emphasized to aid in an understanding of the classification, etiology, course of illness, and phenomenology of this disorder and associated characteristics.

Prerequisite: Psychology 18.

Psychology 1901 (formerly Psychology 1000). Methods of Behavioral Research

Catalog Number: 3811

Sharon H. Kramer

Half course (fall term). Tu., Th., 1:30–3, and a one-hour section meeting to be arranged. EXAM GROUP: 15, 16

Theoretical and practical introduction to planning, conducting, reporting, and evaluating research in the social and behavioral sciences. Topics include experimental design, reliability and validity, experimental artifacts, and a particular emphasis on data analysis.

Prerequisite: Statistics 100 or 101 or 102 or 104 or the equivalent.

Psychology 1951 (formerly Psychology 1990). Intermediate Quantitative Methods

Catalog Number: 8674

Nalini Ambady

Half course (fall term). M., W., 10–11:30, and a one-hour section meeting to be arranged. EXAM GROUP: 3, 4

Emphasis on the analysis of variance and contrasts.

Prerequisite: Statistics 100 or 101 or 102 or 104 or the equivalent.

Psychology 1952. Multivariate Analysis in Psychology

Catalog Number: 6191

Douglas Anthony Luke



Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Multiple regression analysis, analysis of variance, analysis of covariance, factor analysis, and cluster analysis. Introduction to multidimensional scaling, structural equations modeling, and discriminant analysis.

Prerequisite: Psychology 1951, facility with at least one computer statistics package, and normally first-or second-year student standing in the psychology graduate program.

Cross-listed Courses

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]

[History of Science 176. Evolution and the Mind: Conference Course]

History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine

MCB 117. Experimental Neuroscience

Science B-29. Human Behavioral Biology

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., 1–4. EXAM GROUP: 15, 16, 17

Advanced survey of research topics in cognition, brain, and behavior.

Note: Required of and limited to first-year graduate students in the CBB program.

[*Psychology 2040. Contemporary Topics in Psychopathology]

Catalog Number: 4628 Enrollment: Limited to doctoral candidates.

Jill M. Hooley

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Advanced survey of research topics in experimental psychopathology.

Note: Expected to be given in 2001–02. Required for first-year or second year graduate students in the psychopathology area.

***Psychology 2050 (formerly Psychology 1001). History of Psychology**

Catalog Number: 3378

Sheldon H. White

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A study of the organization of psychology in the late 19th and 20th centuries. Early



psychologists—James, Hall, Dewey, Titchener, and Thorndike—initiate research programs in sensation and perception, the study of exceptional mental states, and several forms of educational psychology. Psychologies of personal and social design emerge, centering at first on the naturalistic programs of the “brass instrument laboratories” and theoretical behaviorism, but more and more giving a place to cognitive, developmental, personality, clinical, and social programs.

***Psychology 2100 (formerly *Psychology 3100). Research Methodology**

Catalog Number: 8552 Enrollment: Limited to graduate students.

J. Richard Hackman

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Covers all major steps in conducting an empirical research project, with emphasis on studies that involve human participants. Topics include finding and formulating research problems; research design strategies; developing and validating concepts; designing and assessing empirical measures and manipulations; issues in data collection, analysis, and interpretation; and writing and publishing research reports.

Psychology 2130. Psychophysiological Methods in Developmental Psychology

Catalog Number: 2666

Mark H. McManis

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Research using physiological measures to investigate questions of development will be discussed. In particular, physiological measures used in the study of temperament, language development, developmental psychopathology, and cognitive development will be covered. Particular interests of the class will also be considered.

Note: Open to undergraduates with permission of instructor.

[Psychology 2150. Memory Development: Seminar]

Catalog Number: 4765

Michelle D. Leichtman

Half course (fall term). Hours to be arranged.

Examines basic issues in the development of the memory system across the lifecourse. Topics include infant memory, childhood amnesia, suggestibility, affect and memory, strategy development, metamemory, memory across cultures, and the development of memory in various modalities. Considers memory in applied as well as laboratory contexts.

Note: Expected to be given in 2001–02. Open to advanced undergraduates with permission of instructor.

***Psychology 2253r. Behavioral Neuroscience: Research Seminar**

Catalog Number: 1146

Mark G. Baxter

Half course (fall term; repeated spring term). W., at 1. EXAM GROUP: 6

Note: Open only to graduate students and undergraduates involved in research in the instructor’s laboratory.



***Psychology 2265. Theory and Evidence in Cognitive Science and Neuroscience**

Catalog Number: 0710 Enrollment: Limited to 20. Limited to 20. Open to undergraduates and graduate students by permission of instructors.

Marc D. Hauser and Alfonso Caramazza

Half course (fall term). Tu., 1:30–4. EXAM GROUP: 15, 16, 17

A challenge for all sciences is to determine what constitutes a reasonable argument based on the data at hand. In this seminar, we explore the kinds of assumptions and theoretical accounts offered by the practitioners of cognitive science and neuroscience. In particular, we attempt to lay bare through a case-study approach with prominent examples how the field of cognitive science/neuroscience is practiced and how arguments are developed from the existing findings. We examine such problems as the mental imagery debate, how an infant's looks tell us about its thoughts, the extent to which evolutionary theories of human thought can be tested, how neuroimaging data inform our understanding of mental representation, what inferences can be made from the study of the performance of damaged systems, the role of computational modeling in theory evaluation and development, and so on.

Prerequisite: Science B-29 and Psychology 13.

Psychology 2300r (formerly Psychology 2300). Perception, Cognition, and Representation: Seminar

Catalog Number: 8369

Patrick Cavanagh

Half course (spring term). F., 12–2. EXAM GROUP: 5, 6

Discussion of issues in perception, attention, and cognition.

Note: Undergraduates may enroll with permission of the instructors.

***Psychology 2335r (formerly *Psychology 3380r). Language: Research Seminar**

Catalog Number: 5121

Alfonso Caramazza

Half course (fall term; repeated spring term). Hours to be arranged.

[*Psychology 2340. Topics in Cognitive Neuropsychology]

Catalog Number: 3853

Alfonso Caramazza

Half course (fall term). Hours to be arranged.

Current developments in various domains of cognitive neuropsychology are reviewed. Topics include the various forms of aphasia, dyslexia, agraphia, anomia, agnosia, and visual neglect. Specific topics vary from year to year.

Note: Expected to be given in 2001–02.

[*Psychology 2345r. Laboratory in Cognitive Neuropsychology]

Catalog Number: 4103

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Patterns of perceptual and cognitive impairments resulting from brain damage are used to inform theories of normal cognitive functioning. Students learn to design experiments for testing brain-



damaged subjects, and to analyze, interpret, and present results.

Note: Expected to be given in 2001–02.

***Psychology 2353r. Visual Cognition: Research Seminar**

Catalog Number: 6563

Daniel J. Simons

Half course (fall term). Hours to be arranged.

Note: Open only to graduate students and undergraduates involved in research in the instructor's laboratory.

Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar

Catalog Number: 1119

Stephen M. Kosslyn

Half course (fall term; repeated spring term). M., at 3. EXAM GROUP: 7

Focuses on how one asks and answers questions about visual cognition. Students are involved in all phases of conducting experiments and learn the fundamentals of experimental design and data analysis. Students formally present their research to the seminar as well as work independently.

Prerequisite: Statistics or Psychology 13.

[*Psychology 2400. Cognitive Psychology and Emotional Disorders]

Catalog Number: 6138 Enrollment: Limited to graduate students.

Richard J. McNally

Half course (spring term). Hours to be arranged.

This seminar concerns research and theory on the application of cognitive psychology methods to the understanding of anxiety and mood disorders.

Note: Expected to be given in 2001–02.

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. Theoretical underpinnings of cognitive-behavioral therapy are also addressed.

Note: Limited to graduate students.

[*Psychology 2435. Laboratory in Eating Disorders]

Catalog Number: 2559 Enrollment: Limited to 10.

Pamela Kohl Keel

Half course (spring term). Hours to be arranged.

Trains students in the assessment of eating disorders, including anorexia nervosa, bulimia nervosa, binge eating disorder, and eating disorders not otherwise specified. Particular attention given to differentiating between normal and abnormal eating and weight control behaviors. Psychometric properties of various self-report and structured interview assessments covered.

Note: Expected to be given in 2001–02.

Prerequisite: Psychology 1, Psychology 18, and introductory statistics.



[Psychology 2440. Schizotypy and the Schizophrenia Spectrum]

Catalog Number: 7675 Enrollment: Limited to graduate students.

Mark Francis Lenzenweger

Half course (spring term). Hours to be arranged.

Advanced graduate seminar that explores, in depth, the origins and development of the schizophrenia-spectrum concept as well as models of schizotypy and schizophrenia liability. Emphasis is on the integration of theoretical models with available empirical data from multiple vantage points including phenomenology, cognition, neuropsychology, neurobiology, and genetics. Mathematical approaches to model testing will also be covered.

Note: Expected to be given in 2002–03.

[*Psychology 2460. Diagnostic Interviewing]

Catalog Number: 4157 Enrollment: Limited to 12. Limited to 12. Graduate students only.

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Focuses on the development of clinical interviewing and diagnostic skills through exposure to the Structured Clinical Interview for DSM-III-R (SCID-R) and other research-oriented diagnostic interviews. Examines the major issues in diagnosis and assessment and provides exposure to syndromes of psychopathology via videotapes and audiotapes.

Note: Expected to be given in 2001–02.

Prerequisite: Psychology 18.

[Psychology 2462. Diagnostic Interviewing: Practicum]

Catalog Number: 3840 Enrollment: Limited to graduate students.

Jill M. Hooley

Half course (spring term). Hours to be arranged.

Offers students who have completed Psychology 2460 supervised experience in psychiatric diagnosis. Students will assess Axis I and Axis II disorders in clinical and non-clinical samples. Students will be required to travel to practicum site(s) to conduct interviews between class meetings.

Note: Expected to be given in 2003–04.

Prerequisite: Psychology 18 and Psychology 2460.

***Psychology 2465. Clinical Interview Seminar**

Catalog Number: 4439

Jill M. Hooley

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 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

An introduction to the anatomical structure of the human brain with an emphasis on



neuropsychological correlates and the cortical representation of higher order cognitive functions. Consists of a gross brain dissection laboratory followed by discussions of descriptive and theoretical aspects of clinical neuropsychological phenomena.

Note: 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 2001–02. 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 2530r. Mental Control: Research Seminar**

Catalog Number: 2364

Daniel M. Wegner

Half course (fall term; repeated spring term). Hours to be arranged.

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. Limited to 15.

Daniel T. Gilbert

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Explores theory and research on cognitive processes in social psychology. Rather than focusing on the details of particular methods and models, the seminar concentrates instead on scientific answers to “big questions,” such as: How does the mind construct reality? Can we, do we, and should we control our thoughts and actions? How do we gain knowledge of ourselves and others? What does it mean to be rational, and is this something to strive for? Can we avoid thinking in socially pernicious ways, and if not, can we be held responsible for the consequences of our thoughts? Can we fool ourselves about ourselves, and if so, is this a bad thing?

Note: 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). Hours to be arranged.

***Psychology 2630. Social Behavior in Organizations: Seminar**

Catalog Number: 0991 Enrollment: Limited.



J. Richard Hackman

Half course (fall term). Th., 12–1:30. EXAM GROUP: 14, 15

The social psychology of organizations. Topics include how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team effectiveness; power and political dynamics in organizations; intergroup relations; contextual influences on behavior in organizations; group and organizational leadership.

Note: Open to doctoral students only. Students are also expected to attend the lectures of Psychology 1501.

Psychology 2650. Behavioral Approaches to Decision Making and Negotiation

Catalog Number: 7147

Max H. Bazerman

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9

Provides a research overview of (1) the field of behavioral decision making and (2) decision analytic perspectives to negotiation. A core focus of the course will be the individual as a less-than-perfect decision maker. On the decision-making side, we will start with the concept of bounded rationality, continue with early research on decision biases, and assess the current state of research on human decision making. On the negotiation side, we will develop a behavioral decision perspective to negotiation, and examine how the field is currently evolving.

Note: Open to advanced undergraduates with a strong research interest with permission of instructor.

[*Psychology 2660r (formerly Psychology 3040r). Research Seminar in Mindfulness Theory]

Catalog Number: 4909

Ellen J. Langer

Half course (fall term; repeated spring term). Hours to be arranged.

Mindfulness/mindfulness theory as it is compared to relevant current theories in social and cognitive psychology and as explored in applied settings. Experimental research required.

Note: Expected to be given in 2001–02.

***Psychology 2670a (formerly *Psychology 1553a). Decision Making and Perceived Control I**

Catalog Number: 1193 Enrollment: Limited to 15.

Ellen J. Langer

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Theory and research address the following topics as they relate to decision making: the illusion of control, predictability, actual vs. perceived control, internal vs. external control, risk taking, and mindfulness theory. Topics on relinquishing control include learned helplessness, obedience to authority, and mindlessness theory. These topics are examined in a variety of settings, including medicine, education, business organizations, and the political arena.

Note: Qualified undergraduates welcome to enroll.

***Psychology 2670b (formerly *Psychology 1553b). Decision Making and Perceived Control II**

Catalog Number: 3434



Daniel T. Gilbert

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

The deeper theoretical and experimental issues pertaining to control and mindfulness, as defined in *Psychology 2670a, are explored. Experimental research is required.

Note: Qualified undergraduates welcome to enroll.

Prerequisite: *Psychology 2670a.

Psychology 2700. Debates in the Practice of Good Psychological Science

Catalog Number: 5986

Stephen M. Kosslyn and members of the Department

Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

Addresses differences in models of *good science* across areas of psychology. Faculty discussants present their *philosophies of science*, answering questions such as what constitutes science, an ideal research question, method, interpretation and dissemination of results.

Note: Senior psychology concentrators welcome to enroll; consult instructors before the start of class.

[Psychology 2800. Psychometric Laboratory]

Catalog Number: 9326

Mark Francis Lenzenweger

Half course (spring term). Hours to be arranged.

Covers basic psychometric theory as well as methods that are essential for reliable and valid measurement. Concepts such as reliability, validity, and generalizability reviewed. The techniques used to create (e.g., item writing, content validity) and evaluate (e.g., item analysis, construct validation) a scale surveyed in detail.

Note: Expected to be given in 2001–02. Qualified undergraduates may enroll with permission of instructor.

Prerequisite: Statistics (Psychology 1951).

[*Psychology 2900. Professional Ethics]

Catalog Number: 6702 Enrollment: Limited to graduate students.

Pamela Kohl Keel

Half course (spring term). Hours to be arranged.

Examines ethical principles and legal issues concerning applied psychology in general, and clinical psychology in particular. The ethical dilemmas faced by psychologists in a variety of roles will be discussed, with a particular emphasis on practicing psychologists and academicians. Key legal principles and precedent-setting legal decisions will be covered.

Note: Expected to be given in 2002–03.

Cross-listed Courses

[History of Science 275. “The Minded Body”: Theoretical and Empirical Explorations]

***History of Science 278. In Search of Mind: Seminar**

Graduate Courses of Reading and Research



***Psychology 3010. Special Reading and Research**

Catalog Number: 7858

Nalini Ambady 1528, Mark G. Baxter 1364, Alfonso Caramazza 1871, Patrick Cavanagh 2447, Patricia Deldin 1692, Daniel T. Gilbert 2359, J. Richard Hackman 1504, Marc D. Hauser 3347, Jill M. Hooley 1191, Pamela Kohl Keel 2099, Stephen M. Kosslyn 7836, Ellen J. Langer 4967 (on leave spring term), Michelle D. Leichtman 3438 (on leave 2000-01), Mark Francis Lenzenweger 1179 (on leave fall term), Richard J. McNally 2978, Ken Nakayama 2558, Daniel L. Schacter 2805, Daniel J. Simons 3087 (on leave spring term), Philip Stone 2275 (on leave 2000-01), Daniel M. Wegner 3758, and Sheldon H. White 2930 (on leave fall term)

***Psychology 3020. Direction of Doctoral Dissertations**

Catalog Number: 4492

Nalini Ambady 1528, Mark G. Baxter 1364, Alfonso Caramazza 1871, Patrick Cavanagh 2447, Patricia Deldin 1692, Daniel T. Gilbert 2359, J. Richard Hackman 1504, Marc D. Hauser 3347, Jill M. Hooley 1191, Jerome Kagan 2243, Pamela Kohl Keel 2099, Stephen M. Kosslyn 7836, Ellen J. Langer 4967 (on leave spring term), Michelle D. Leichtman 3438 (on leave 2000-01), Mark Francis Lenzenweger 1179 (on leave fall term), Richard J. McNally 2978, Ken Nakayama 2558, Daniel L. Schacter 2805, Daniel J. Simons 3087 (on leave spring term), Philip Stone 2275 (on leave 2000-01), Daniel M. Wegner 3758, and Sheldon H. White 2930 (on leave fall term)
Members of the Department and others listed under *Psychology 3010 direct doctoral dissertations.

***Psychology 3040. Clinical Psychology: Science and Practice**

Catalog Number: 0309

Jill M. Hooley 1191

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

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: Required of and limited to doctoral students in the Clinical Psychology program.

***Psychology 3050r. Clinical Practicum**

Catalog Number: 6299 Enrollment: Limited to students in the Clinical Psychology Program.

Jill M. Hooley 1191

Students will work in clinical settings locally and, under supervision, will be directly involved in the treatment and clinical care of patients.

***Psychology 3060r. Multicultural Aspects of Clinical Treatment**

Catalog Number: 7321 Enrollment: Limited to students in the Clinical Psychology Program.

Jill M. Hooley 1191

Focuses on the clinical management of patients from different cultural backgrounds and provides supervised experience in the treatment of such patients.

***Psychology 3330ar. Memory: Research Seminar**

Catalog Number: 0141

Daniel L. Schacter 2805



Half course (fall term). F., at 12.

Note: Open only to students involved in research.

***Psychology 3330br (formerly *Psychology 3330). Memory: Research Seminar**

Catalog Number: 6989

Daniel L. Schacter 2805

Half course (spring term). Hours to be arranged.

Note: Open only to students involved in research.

***Psychology 3360r (formerly *Psychology 3360ar). Current Topics in Vision and Sensory Processes**

Catalog Number: 0604

Ken Nakayama 2558

Half course (fall term; repeated spring term). Hours to be arranged.

***Psychology 3420r. Research Workshop in Social Psychology**

Catalog Number: 7610

Daniel T. Gilbert 2359 and members of the Faculty

Half course (fall term; repeated spring term). Tu., 12–1:30.

Provides a forum for the presentation, discussion, and critique of current research in social psychology. Presenters include graduate students and faculty in the Social Psychology Program at Harvard, as well as visiting speakers. The course is required of first-year students enrolled in the Social Psychology Program. The course is closed to all but those students in the Fall, and is open to all graduate students enrolled in the Social Psychology Program in the Spring.

[*Psychology 3440. Current Research in Social and Organizational Psychology]

Catalog Number: 7014

J. Richard Hackman 1504

Half course (fall term; repeated spring term). Hours to be arranged.

Explores emerging empirical, theoretical, and methodological trends in social and organizational psychology through the intensive analysis of very recent journal articles and research monographs.

Note: Expected to be given in 2001–02.

Prerequisite: At least two doctoral-level courses in social psychology or organizational behavior, at least one graduate-level course in research methodology, and permission of the instructor.

***Psychology 3490a. Analysis of Psychological Data: Issues and Examples**

Catalog Number: 0652

John Barnard 1916 and Donald B. Rubin 7966

Half course (fall term). Th., at 12. EXAM GROUP: 14

***Psychology 3490b. Analysis of Psychological Data: Issues and Examples**

Catalog Number: 0660

John Barnard 1916, Mark Francis Lenzenweger 1179 (on leave fall term), and Donald B. Rubin 7966

Half course (spring term). Th., 12–1:30. EXAM GROUP: 14, 15



***Psychology 3550r. Teaching Psychology**

Catalog Number: 0853

Stephen M. Kosslyn 7836

Half course (fall term; repeated spring term). W., at 12.

Note: Limited to and required of Sophomore Tutors.

***Psychology 3555. Instructional Styles in Psychology**

Catalog Number: 6831

Stephen M. Kosslyn 7836 and members of the Department

Half course (spring term). Hours to be arranged.

Note: Normally required of and limited to department graduate students who are first-time teaching fellows.

[*Psychology 3560 (formerly *Psychology 2900). The Real World]

Catalog Number: 5482

Stephen M. Kosslyn 7836, Patrick Cavanagh 2447, and J. Richard Hackman 1504

Half course (spring term). Hours to be arranged.

Orientation of students to the world after graduate school. Reviews basic survival skills. Some of these skills are of immediate use (such as those pertaining to teaching), and some become useful only when the student is preparing to enter the job market (such as how to give a job talk, how to write a vita, how to write a grant proposal).

Note: Expected to be given in 2003–04. Limited to graduate students in Psychology.

Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Policy

Robert H. Bates, Eaton Professor of the Science of Government (*Chair*) (*on leave 2000-01*)

William W. Hogan, Thornton Bradshaw Professor of Public Policy and Management (*Kennedy School*) (*Acting Chair*) (*on leave 2001-02*)

Arthur I. Applbaum, Professor of Ethics and Public Policy (*Kennedy School*)

Christopher N. Avery, Associate Professor of Public Policy (*Kennedy School*)

Mary Jo Bane, Thornton Bradshaw Professor of Public Policy and Management (*Kennedy School*)

L. Jean Camp, Assistant Professor in Public Policy (*Kennedy School*)

William C. Clark, Sidney Harman Professor of International Science, Public Policy, and Human Development (*Kennedy School*)



John D. Donahue, Lecturer in Public Policy (*Kennedy School*)
 David Tabor Ellwood, Lucius N. Littauer Professor of Political Economy (*Kennedy School*)
 Peter Frumkin, Assistant Professor of Public Policy (*Kennedy School*) (*on leave 2001-02*)
 Edward L. Glaeser, Professor of Economics (*on leave 2000-01*)
 Jerry R. Green, John Leverett Professor in the University, David A. Wells Professor of Political Economy, and Taussig Professor of Economics (*on leave spring term*)
 Merilee Grindle, Edward S. Mason Professor of International Development and Lecturer on Public Policy (*Kennedy School*)
 Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*) (*on leave 2001-2002*)
 Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*) (*on leave 2001-02*)
 Thomas Kane, Associate Professor of Public Policy (*Kennedy School*)
 Steven Kelman, Albert J. Weatherhead III & Richard W. Weatherhead Professor of Public Management (*Kennedy School*)
 David C. King, Associate Professor in Public Policy (*Kennedy School*)
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*ex officio*)
 Mark H. Moore, Daniel and Florence Guggenheim Professor of Criminal Justice, Policy and Management (*Kennedy School*)
 Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*)
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
 Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
 James H. Stock, Roy E. Larsen Professor of Political Economy (*Kennedy School*)
 Shang-Jin Wei, Associate Professor of Public Policy (*Kennedy School*)
 William Julius Wilson, Harvard University Professor and Malcolm Wiener Professor of Social Policy (*Kennedy School*)
 David A. Wise, John F. Stambaugh Professor of Empirical Analysis (*Kennedy School*)
 Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

The doctoral program in Public Policy trains qualified candidates to shape the direction of public policy research and to prepare the next generation of teachers for programs in public policy. It also qualifies individuals to perform high-level policy analysis and prepares them for positions of leadership in the public sector. Interested applicants should contact the John F. Kennedy School of Government for application material.

All Ph.D. 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 Sumner Hall (*Chair*)

Gary Anderson, Professor of Hebrew Bible (*Divinity School*) (*on leave 2001-02*)

François Bovon, Frothingham Professor of the History of Religion (*Divinity School*) (*Director of Th.D Studies*)

Nicholas P. Conostas, Assistant Professor of Theology (*Divinity School*)

Diana L. Eck, Professor of Comparative Religion and Indian Studies

Francis Fiorenza, Charles Chauncey Stillman Professor of Roman Catholic Theological Studies (*Divinity School*) (*on leave fall term*)

Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)

William A. Graham, Jr., Professor of the History of Religion and Islamic Studies and Murray A. Albertson Professor of Middle Eastern Studies

Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy

Michael Herzfeld, Professor of Anthropology

James T. Kloppenberg, Professor of History

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 (*Director of Ph.D Studies*) (*on leave fall term*)

Brian C. W. Palmer, Lecturer on the Study of Religion

Charles D. Parsons, Edgar Pierce Professor of Philosophy

Lawrence E. Sullivan, Professor of the History of Religions (*Divinity School*)

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*on leave spring term*)

Preston N. Williams, Houghton Professor of Theology and Contemporary Change (*Divinity School*)

Other Faculty Offering Instruction in the Study of Religion



Margaret Alexiou, George Seferis Professor of Modern Greek Studies and Professor of Comparative Literature
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture (*on leave 2000-01*)
 Allen D. Callahan, Assistant Professor of New Testament and Early Christian Studies (*Divinity School*)
 Sarah Coakley, Edward Mallinckrodt, Jr. Professor of Divinity (*Divinity School*)
 Harvey G. Cox, Jr., Victor S. Thomas Professor of Divinity (*Divinity School*)
 Arthur J. Dyck, Mary B. Saltonstall Professor of Population Ethics (*Public Health and Divinity School*)
 Robert M. Gimello, Visiting Professor of East Asian Studies and Religious Studies
 Charles Hallisey, John L. Loeb Associate Professor of the Humanities (*on leave 2000-01*)
 Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*)
 Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society
 Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies
 Joseph C. Harris, Professor of English and Folklore (*on leave spring term*)
 J. Bryan Hehir, Professor of the Practice in Religion and Society (*Divinity School*)
 Albert Henrichs, Eliot Professor of Greek Literature (*on leave fall term*)
 Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies
 Karen L. King, Professor of New Testament Studies and the History of Ancient Christianity (*Divinity School*)
 James L. Kugel, Harry Starr Professor of Classical and Modern Jewish and Hebrew Literature and Professor of Comparative Literature (*on leave spring term*)
 Courtney Bickel Lamberth, Lecturer on the Study of Religion, Acting Allston Burr Senior Tutor in Winthrop House
 David Lamberth, Assistant Professor of Theology (*Divinity School*)
 Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
 Eugene McAfee, Lecturer on the Study of Religion
 David Gordon Mitten, James Loeb Professor of Classical Art and Archaeology
 Kimberley C. Patton, Assistant Professor in the Comparative and Historical Study of Religion (*Divinity School*) (*on leave 2001-02*)
 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*)
 Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology
 Ronald Thiemann, John Lord O'Brian Professor of Theology (*Divinity School*)
 Cornel West, Alphonse Fletcher, Jr., University Professor and Professor of Afro-American Studies (*FAS*) and Professor of the Philosophy of Religion (*Divinity School*) (*on leave 2000-01*)
 Irene J. Winter, William Dorr Boardman Professor of Fine Arts (*on leave fall term*)

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 Ph.D. 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

Brian C. W. Palmer and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Study of special topics in the history and comparative study of religion on an individual or small-group basis.

Note: May not be taken Pass/Fail. Normally open only to concentrators. Permission of Head Tutor required.



***Religion 97. Tutorial — Sophomore Year**

Catalog Number: 7608

Brian C. W. Palmer

Half course (spring term). Hours to be arranged. EXAM GROUP: 17, 18

Note: Required of concentrators.

***Religion 98a. Tutorial — Junior Year**

Catalog Number: 2832

Brian C. W. Palmer and assistants

Half course (fall term). Hours to be arranged.

Note: Required of concentrators.

***Religion 98b. Tutorial — Junior Year**

Catalog Number: 2922

Brian C. W. Palmer and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 99. Tutorial — Senior Year**

Catalog Number: 6498

Brian Charles William Palmer and assistants

Full course. Hours to be arranged.

A required component of the senior year tutorial is a monthly seminar, led by the Assistant Head Tutor. Covers research methods and strategies in thesis writing in the fall, becoming an intensive review for general examinations in the spring.

Note: Required of concentrators.

Introductory Courses

Primarily for Undergraduates

Religion 11. World Religions: Diversity and Dialogue

Catalog Number: 4811

Diana L. Eck

Half course (fall term). M., W., F., at 10, and a discussion hour to be arranged. 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 13. Scriptures and Classics]

Catalog Number: 1723



William A. Graham, Jr.

Half course (fall term). Hours to be arranged.

An introduction to the history of religion based on selective reading in significant texts from diverse religious and cultural traditions. Considers important thematic issues (e.g., suffering, death, love, transcendence, community) as well as problems of method and definition as they present themselves in the sources. Readings from texts such as the Veda, Bhagavad Gita, Buddhacarita, Lotus Sutra, Confucian Analects, Chuang Tzu, Gilgamesh, Aeneid, Torah, New Testament and Qur'an.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3225.

[Religion 14. Comparative Religious Ethics: An Introduction to the Study of Religion]

Catalog Number: 7539

Charles Hallisey

Half course (fall term). Hours to be arranged.

An introduction to the comparative and historical study of religion through an exploration of the role of morality and ethical reasoning in human and religious life, as well as the role of religious experiences, ideas, and practices in ethics. The course draws materials from four religious traditions—Buddhist, Christian, Jewish, and Confucian—as well as non-religious sources to consider both the nature and diversity of human morality cross-culturally and the extent to which morality and ethics are universals in human life.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3100.

Religion 42. The Christian Bible and Its Interpretation

Catalog Number: 5870

Peter J. Gomes (Divinity School)

Half course (spring 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.

[Religion 45. Martyrs, Mystics, and Heretics: Alternative Christianities]

Catalog Number: 4735

Half course (spring term). Hours to be arranged.

An introduction to the history of Christian traditions through individuals and groups whose claims to Christian identity were fiercely contested in their day. What kinds of issues have proved critical in determining Christian identity? Case studies include: martyrs and Gnostics in early Christianity; medieval mystics; 16th-century reformers; the so-called “witches” of the 17th century; and the American Shakers. In conclusion we consider controversial interpretations of Jesus Christ in 20th-century liberation and postmodern theologies. Along the way, we consider thematic concerns spanning the role of human bodies in religious life, the nature of women, attitudes towards sexuality and worldly pleasure, and the church as an institution in relation to



personal faith and empowerment.

Note: Expected to be given in 2001–02.

Cross-listed Courses

Foreign Cultures 12. Sources of Indian Civilization

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

For Undergraduates and Graduates

[Religion 1500. “Losing my Religion”: Religious Experience in the Modern West]

Catalog Number: 4269

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 2001–02.

[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. Limited to 20.

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. 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 2002–03. Offered jointly with the Divinity School as 3887.

[Religion 1600. An Introduction to Hinduism]

Catalog Number: 4479

Half course (fall term). Hours to be arranged.

This course will attempt an Introduction to Hinduism(s) by a reading of some of the texts that have gained prominence amongst Hindus over the centuries. Readings will include extracts from the ancient Vedas, the philosophical Upanisads, the Dharma law books, psycho-meditational texts such as the Yoga Sutras, the Ramayana and Mahabharata epics, the famous Bhagavad Gita, the Siva Purana, the Devi Gita of the Goddess, devotional poetry, and modern religious writings that have become authoritative texts amongst various present-day religious groups.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3423.



Religion 1700. Introduction to Buddhism

Catalog Number: 3486 Enrollment: Limited to 30.

Karen Anne Derris

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: Only offered in the fall 2000. Offered jointly with the Divinity School as 3231.

General: Comparative and Methodological

For Undergraduates and Graduates

Religion 1001. Ethnographic Imaginations

Catalog Number: 0156

Brian C. W. Palmer

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This course provides a practical introduction to field research projects, from the initial conception to the final acts of writing. Readings include innovative ethnographies—particularly those dealing with religious subjects—as well as reflections on method. Attention is given to the difficulty of apprehending the beliefs and experiences of others, whether as a reverent insider or a skeptical outsider. Individual and small-group fieldwork projects promote an awareness of methodological choices and a habit of critical self-scrutiny. Writing exercises encourage experimentation in diverse ethnographic genres as well as the development of a dependable personal voice.

Note: Offered by the Divinity School as 3331.

[*Religion 1005. World Religions in Boston: Research Seminar]

Catalog Number: 3289

Diana L. Eck

Half course (spring term). Hours to be arranged.

An investigation of the religious traditions of the world in the dynamic context of the United States focusing on the presence of these traditions in the increasingly complex and diverse religious life of the Boston area today. This is a research seminar in which the class visits a Hindu temple, a Buddhist temple or meditation center, and an Islamic center. Each student undertakes field research on a particular religious community.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3901.

[Religion 1007. Religion in Multicultural America]

Catalog Number: 3416

Diana L. Eck

Half course (fall term). Hours to be arranged.

An exploration of the changing religious landscape of the United States, looking at the history and dynamic interaction of the various religious traditions that now compose the American



religious scene. Looks briefly at Native American, Christian, and Jewish traditions, but focuses more on the religious life of Asian-Americans—Buddhist, Hindu, Sikh, Jain—and on the African-American and immigrant traditions of Islam. Throughout is a dual focus on how the various religious traditions are changing in the American environment and how America is changing in this new multireligious context.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3221.

Religion 1009. Designing a World Religion Museum

Catalog Number: 4290

Lawrence E. Sullivan (Divinity School)

Half course (spring term). M., W., at 11 and an hour to be arranged. EXAM GROUP: 4

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: Offered by the Divinity School as 3323.

[Religion 1010. Religious Life Among Indigenous Cultures in the Americas]

Catalog Number: 4509

Lawrence E. Sullivan (Divinity School)

Half course (spring term). Hours to be arranged.

This course examines a selection of cultural cases in order to contextualize a variety of beliefs and practices such as religious cosmologies, myths, rites of passage, institutions, specialists, built forms, and historical movements.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3708.

[Religion 1011. Ritual Experience and Critical Perception: Seminar]

Catalog Number: 5624

Lawrence E. Sullivan (Divinity School)

Half course (fall term). Hours to be arranged.

This seminar examines perceptions associated with ritual experience and evaluates various disciplinary approaches to such elements as mimesis, mnemonics, gesture, music, and visual spectacle.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3915.

Prerequisite: Graduate introduction to methods in the study of religion, or equivalent.

Religion 1013. God: The Beginnings: Seminar

Catalog Number: 6377



Eugene McAfee

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

The deity known as “God” in western religions first appears as El in texts from ancient Syria-Palestine (Canaan) in the mid-second millennium B.C.E. This course will examine El as he is portrayed in mythological and cultic texts from the ancient kingdom of Ugarit and in ancient Semitic inscriptions. Readings will focus on El as divine patriarch of the Ugaritic pantheon, his relationships to other Ugaritic deities, and his relationships to humans. The course will also examine the incorporation of El into the sacred writings of ancient Israel and, through them, into the religions of the modern west.

Religion 1016. How to Understand Religion: Theory from Max Müller to Catherine Bell

Catalog Number: 5017

Lawrence E. Sullivan (Divinity School)

Half course (fall term). M., W., at 11 and an hour to be arranged. EXAM GROUP: 4

Surveying modern methods, this basic course reviews prominent theorists and schools concerned with the nature and function of religion in order to ground key questions about religion and culture. Is religion rooted primarily in a personal quest for meaning or in institutional control of society? Do the order and function of religion operate largely on an unconscious level, like the structures of spoken language? Do myth and symbol point to truth? How can such truths be known and expressed? Are religious texts the best guides to religious meaning, or do actions speak louder than words? Do the origins of religion still shape religious experience and practice today? Are religions similar or different? Is the human being fundamentally intrinsically religious?

Note: Offered by the Divinity School as 3321.

Religion 1017. New Religious Movements and Society: Conference Course

Catalog Number: 8082

Helen Hardacre

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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 1025. Ritual and the Religious Life: A Thematic Introduction to Religion]

Catalog Number: 5239

Lawrence E. Sullivan (Divinity School)

Half course (spring term). Hours to be arranged.

An exploration of the nature, structure, and meaning of ritual act and ritual language in human religious life, drawing materials from the great religious traditions, especially the Native American, Hindu, Buddhist, and Christian. Consideration of meditation, the yearly cycle of festivals; and the rites of the life cycle from birth to death.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3320.



[Religion 1030. Texts, Writers, and Readers]

Catalog Number: 1164 Enrollment: Limited to 20. Limited to 20.

Half course (fall term). Hours to be arranged.

This readings and research colloquium studies the production and transmission of texts within different religious traditions (chiefly Christianity, but also Buddhism, Judaism, etc.); authority or authenticity in relation to the fluidity of transmission; and the meanings of “author” and of the mediating figure of “reader.” The primary focus is on written texts, though oral tradition will be considered as well.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2389.

[Religion 1045. Thinking About Thinking]

Catalog Number: 6190 Enrollment: Limited to 100. 100 total: 30 law students, 30 graduate students from other Harvard schools, 30 undergraduates, and 10 fellows.

Harvey G. Cox, Jr. (Divinity School), Alan Dershowitz (Law School), and Stephen J. Gould

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 2001–02. Offered by the Divinity School as 2480.

[Religion 1075. Jerusalem: An Interdisciplinary Inquiry]

Catalog Number: 3014

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Hours to be arranged.

A holy city for three faiths, the focus of poetry, song, legend, and ideology, and a continuing political flashpoint, the city of Jerusalem provides a rich case study in religious history, art and architecture, eschatology and the phenomenology of sacred space. It also provides a critical test for inter-faith dialogue and peace-making. Utilizing a variety of disciplines, we will explore the meanings Jerusalem has had in the past and consider alternative solutions to current questions about its future.

Note: Expected to be given in 2001–02. Offered by the Divinity School as 2505.

Cross-listed Courses

[Anthropology 278 (formerly Anthropology 183). The Charisma of Saints, and the Cults of Relics, Amulets, Images, and Shrines]

[Celtic 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.

Diana L. Eck and members of the Committee

Half course (fall term). Th., 2–4:30. EXAM GROUP: 16, 17, 18

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

Gary Anderson (Divinity School)

Half course (spring term). Th., 3–5. 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 2005. Doctoral Colloquium in Religion, Gender, and Culture

Catalog Number: 8016

Leila Ahmed (Divinity School)

Half course (fall term). Tu., 5–7 p.m. EXAM GROUP: 9

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 by the Divinity School as 2690.

Religion 2007hf. Religion and Society Colloquium

Catalog Number: 5355 Enrollment: Limited to 15.

Ronald Thiemann (Divinity School)

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

A required year-long seminar for all pre-generals doctoral students in the Religion and Society department. Topic for 2000-01: *Political Theory and Religious Reflection*: A review of the interaction between political reflection on democratic government and theological reflection on the role of religion in public life. Attention will be given to the following topics: the separation of church and state, political liberalism and its critics, public reason and religious discourse, religion and human rights, religious diversity and democratic reform, democratic politics and inclusivity. Spring term will be devoted to presentations of papers, dissertation chapters, and articles by students and faculty.

Note: Offered jointly with the Divinity School as 2697.

[Religion 2010. Religions of the World and Ecology: Seminar]

Catalog Number: 3153



Lawrence E. Sullivan (Divinity School)

Half course (fall term). Hours to be arranged.

This course examines beliefs and practices associated with sustaining the environment in a selection of religious traditions. It aims to contextualize those beliefs and practices within the history and cosmologies of the traditions considered.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3916.

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). Tu., 9:30–11:30. EXAM GROUP: 11, 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 by the Divinity School as 2800.

[Religion 2041. Conscience and Its Freedom: Seminar]

Catalog Number: 7093

David Little (Divinity School)

Half course (spring term). Hours to be arranged.

A consideration of the meaning and significance of the concept of conscience. The seminar will examine the history of the idea in Western thought, and give some attention to its place in Islamic and other cultural settings. It will also touch on the role of conscience in contemporary human rights discourse. It will take up contemporary philosophical, theological, and legal problems associated with the term.

Note: Expected to be given in 2001–02. Offered by the Divinity School as 2810.

Religion 2042. Religion, Nationalism, and Peace

Catalog Number: 7857

David Little (Divinity School)

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

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: Offered by the Divinity School as 2812.

Ancient Near Eastern and Israelite

Cross-listed Courses

[Akkadian 141r. Akkadian Myths and Epics]

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 124. Myth and Mythmaking in the Biblical and Ancient Near Eastern World]

[Ancient Near East 126. History of the Religion of Israel]

Ancient Near East 127. Prophecy in Ancient Israel

[Ancient Near East 128. Jewish Apocalypticism]

[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 141. Sumerian Myths and Epics]

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 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 2001–02. Offered jointly with the Divinity School as 3669.

Cross-listed Courses

[Hebrew 150a (formerly Hebrew 150). Introduction to Rabbinic Literature]

Hebrew 150b. Introduction to Rabbinic Literature

[Hebrew 153. Midrash Seminar]

[Hebrew 165. Maimonides' *Book of Knowledge* and its Medieval Critics]

[Hebrew 174. Political Thought: Late Antiquity through the Middle Ages]

[Jewish Studies 111. Modern Jewish Thought]

Jewish Studies 116. Messianism, Mysticism and Magic in Modern Jewish Literature

[Jewish Studies 117. Religious Elements in Modern Jewish Poetry]

Greek, Hellenistic, Roman

Cross-listed Courses

Greek 106. Greek Tragedy

[Latin 106b. Virgil: *Aeneid*]

Literature and Arts C-14. The Concept of the Hero in Greek Civilization

Primarily for Graduates

Religion 2348ab. Archaeology and the World of the New Testament: Seminar

Catalog Number: 4069 Enrollment: Limited to 12. Limited to 12.

Helmut H. Koester (Divinity School) and David Gordon Mitten

Full course (spring term). F., 2–5. EXAM GROUP: 7, 8, 9

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



Karen L. King (Divinity School)

Half course (spring term). Tu., Th., 11:30–1, and one hour to be arranged. EXAM GROUP: 13, 14

This course will investigate the processes by which a selection of early Christian literature was constructed as scripture and canon out of the diverse forms of ancient Christianity, examine historical-critical approaches that attempt to interpret the books of the New Testament in their 1st- and 2nd- century contexts, and ask students to examine the contemporary contexts out of which they interpret New Testament literature.

Note: Offered jointly with the Divinity School as 1202.

Religion 1402. The New Testament: Texts and Context

Catalog Number: 9074

Helmut H. Koester (Divinity School) and Mimi Bonz

Half course (fall term). Th., 3–5 and an hour to be arranged. EXAM GROUP: 17, 18

This course will provide an introduction to both the literature of the New Testament and to the earliest history of the Christian churches and its diverse communities. Beginning in Palestine in the Hellenistic period, the course will discuss John the Baptist and Jesus of Nazareth, and the origin of the Jerusalem and Antioch churches. The creation of the gospels and the letters of the New Testament, as well as other early Christian literature, will then be studied in juxtaposition to the diverse historical, geographical, and literary contexts in which they developed: in Palestine, Syria, the Greek cities of Aegean, Rome, and Alexandria of Egypt.

Note: Offered by the Divinity School as 1205.

Religion 1414. Gospel Stories of Women

Catalog Number: 6902

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). Tu., 1–3 and group meetings at 12 and by arrangement. EXAM GROUP: 15, 16

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: 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 (fall 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 2001–02. Offered jointly with the Divinity School as 1504/2558.

[Religion 1419. Jesus of Nazareth and the Gospels]

Catalog Number: 9164

Half course (fall term). Hours to be arranged.

An investigation into the Gospels of the New Testament (Matthew, Mark, Luke, John) and apocryphal early Christian Gospels (Gospel of Thomas, Dialogue of the Savior). The development of these Gospels and their traditions will be discussed as well as the “Quest for the Historical Jesus.”

Note: Expected to be given in 2001–02. Offered by the Divinity School as 1500.

[Religion 1420. History of Ancient Christianity from the Beginnings to the 4th Century]

Catalog Number: 2397

Karen L. King (Divinity School)

Half course (fall term). Hours to be arranged.

This course is designed to introduce students to the full range of the historical materials of ancient Christianity from the first to 4th centuries. Special emphasis will be given to setting out the diversity of Christian ideas and practices, the invention of orthodoxy, and the processes of Christian identity formation within the social and political context of the Roman empire.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 1260/2145.

[Religion 1421. The Gospel of Luke]

Catalog Number: 8662

François Bovon (Divinity School)

Half course (spring term). Hours to be arranged.

A literary, historical, and theological interpretation of some chapters of the Greek text of Luke’s Gospel. Exegetical discussion will focus on Luke’s style, art of composition, and sources, as well as his situation in the history of Christianity. Patristic and Reformation interpretations of Luke will be compared from time to time with the work of modern exegetes.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 1511.

Prerequisite: One and one half years of Greek.

[Religion 1422. The Epistle to the Romans]

Catalog Number: 1796

François Bovon (Divinity School)

Half course (spring term). Hours to be arranged.

Historical and theological exegesis of the English text (with separate section reading the Greek text). Emphasis will be put on the historical situation of the author and of the addressees, on the theological structure of the epistle, and on the Jewish roots of Paul’s arguments. Some aspects of Paul’s reception in the life of the Christian churches will be integrated into the course.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 1519.

Prerequisite: One and one half years 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). Tu., 9–11 and one hour to be arranged. EXAM GROUP: 11, 12

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: 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). Th., 1–3. EXAM GROUP: 15, 16

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: Offered by the Divinity School as 1521

Prerequisite: One and one-half years of Greek.

[Religion 1425. The Presence of God in the New Testament]

Catalog Number: 5275

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

The variety and structural unity of early Christian faith as described particularly in Paul's letters, the Synoptic Gospels and the Gospel of John are considered in a historical perspective

Note: Expected to be given in 2001–02. Offered by the Divinity School as 1240.

Prerequisite: Introduction to the New Testament or the equivalent.

Religion 1426. The Apocryphal Jesus and the Noncanonical Apostles: Introduction to Ancient Christian Apocryphal Literature

Catalog Number: 8930

François Bovon (Divinity School)

Half course (fall term). Th., 1–3 and one hour to be arranged. EXAM GROUP: 15, 16

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: Offered by the Divinity School as 1270/ 2130.

Religion 1427. The Origins of Gnosticism and the Identity of Christianity

Catalog Number: 3574

Karen L. King (Divinity School)

Half course (fall term). W., 1–3 and an hour to be arranged. EXAM GROUP: 6, 7

Over fifty years have passed since the discovery of the “Nag Hammadi Library” in 1945. Three years ago, publication of critical editions of the full corpus was completed. Now the task of



assessing the meaning and significance of these and related materials is beginning in earnest. This course will introduce students to critical issues concerning the identity of Christianity, including the problem of the origins and definition of “Gnosticism” (if such a thing exists), describing the diversity of ancient Christianities, defining orthodoxy and heresy, and discussing practices of syncretism and discourse of anti-syncretism. It will also introduce students to the analysis of select primary literature, including *The Gospel of Thomas*, *The Gospel of Mary*, *The Gospel of Truth*, *The Apocryphon of John*, and *The Hypostasis of the Archons*.

Note: Offered jointly with the Divinity School as 1700.

Prerequisite: Introduction to the New Testament or History of Ancient Christianity, or the equivalent.

Religion 1431. Introduction to Patristic Theology: The Cappadocians

Catalog Number: 4279

Nicholas P. Conostas (Divinity School)

Half course (fall term). Tu., Th., at 11:30 and an hour to be arranged. EXAM GROUP: 13, 14

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 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., at 11:30 and an hour to be arranged. EXAM GROUP: 13, 14

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 by the Divinity School as 2582.

Religion 1433. Holy Deserts and Sacred Mountains: The Spirituality of the Christian East: Seminar

Catalog Number: 3417 Enrollment: Limited to 12.

Nicholas P. Conostas (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course is an introduction to the spirituality of the Christian East from its beginnings in the deserts of Egypt and Syria, through its later development in late-antique Palestine and medieval



Byzantium. The early modern revival of the contemplative life on Mt. Athos and its transmission to the Slavic world will also be explored. The history of asceticism and spirituality will be approached through study of the classical sources with attention to a range of modern social and cultural interpretations. Major themes include attitudes toward the body and sexuality, methods of prayer and devotional practices, and the nature of mystical experience.

Note: Offered by the Divinity School as 2593.

Religion 1465. Liberalism and Orthodoxy, 1600–1870

Catalog Number: 0833

David Sumner Hall

Half course (fall term). Tu., Th., at 9 and one 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 1466. Practices of Piety: Studies in the History of Devotion, Worship, and Spirituality]

Catalog Number: 1079

David Sumner Hall

Half course (fall term). Hours to be arranged.

Encompassing Catholic and Protestant practice from the 15th to the 18th centuries, and dealing both with European and American materials, this readings and research colloquium addresses such topics as sacraments and sacramentals, asceticism and bodily mortification, mysticism and spirit possession, confraternities and youth groups, social discipline and religious instruction.

Note: Expected to be given in 2001–02. Offered by the Divinity School as 2388.

[Religion 1470. Introduction to Ethics]

Catalog Number: 2884

Arthur J. Dyck (Public Health and Divinity School)

Half course (fall term). 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 2001–02. Offered jointly with the Divinity School as 2700.

Religion 1471. Human Rights

Catalog Number: 8564

Preston N. Williams (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

An examination of philosophical, theological, and political theories of human rights and their implementation by Christian churches and national governments. Emphasis will be placed upon the relation of theory to practice, the formations of action guidelines, and the ethical criteria for the evaluation of policy proposals. Case studies will be employed. Primarily constructive and



comparative.

Note: Offered jointly with the Divinity School as 2740.

Religion 1472. The Ethical and Religious Thought of Martin Luther King, Jr.

Catalog Number: 8761

Preston N. Williams (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

A study of the life, thought, and actions of Martin Luther King, Jr. An ethical analysis of his primary concepts, ideas, and strategies based upon a reading and discussion of his writings and their sources.

Note: Offered jointly with the Divinity School as 2721.

Religion 1475. Christian Social Ethics: Seminar

Catalog Number: 2905

Ralph B. Potter (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Introduction to the major alternative modes of thought and action by which Christians have sought to express concerns for social and political issues. Stress put on the social dimension of Christian ethics with attention to the behavioral sciences and philosophy. Historical, descriptive, and normative in character.

Note: Offered jointly with the Divinity School as 2711.

[*Religion 1477. Pentecostalism]

Catalog Number: 5792

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Hours to be arranged.

Through class discussion and field visits the course explores the fastest growing religious movement in the world today; its appeal to poor and marginalized people; the role of women; its history and theology; healing and glossalalia; and the emergence of a pentecostal social theology.

Note: Expected to be given in 2001–02. Offered with the Divinity School as 2495.

[Religion 1489. Contemporary Interpretations of Jesus]

Catalog Number: 6437

Harvey G. Cox, Jr. (Divinity School) and Allen D. Callahan (Divinity School)

Half course (spring 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 2001–02. Offered jointly with the Divinity School as 2483.

[Religion 1490. Feminist Theology as Systematics: A Critical Survey]

Catalog Number: 3223

Sarah Coakley (Divinity School)



Half course (spring term). Hours to be arranged.

This course surveys some of the best work on feminism and Christianity to date, and analyzes its effect on the contemporary task of systematic theology. A course suitable for both those with no previous knowledge of feminist theology, and for those with a good background in this field, the early lectures give some telling examples of how feminist insights have shifted the ground of discussion in biblical exegesis, in patristics, and in medieval church history and spirituality. We shall also look briefly at the construction of ideas of “femininity” in Enlightenment philosophy and theology, which provides the historical backcloth against which a range of contemporary feminist theologies (both Christian and post-Christian) may be discussed and analyzed in later lectures.

Note: Offered jointly with the Divinity School as 2436.

[Religion 1491. Themes in Christian “Spirituality”: Theories of Prayer, Self and Gender]

Catalog Number: 3824

Sarah Coakley (Divinity School)

Half course (spring term). Hours to be arranged.

“Spirituality” and “mysticism” are both relatively modern words; we shall start by peeling back some misunderstandings that may attend them. Thereafter, the course will be strongly text-based. We shall begin by comparing Jesus on “prayer” and Plato on “contemplation,” and move from there to a number of distinctive theories of “prayer,” “meditation,” and “contemplation” in the Christian tradition (both East and West), and analyze how the discussion of prayer-practice is interwoven with presumptions about the nature of the (gendered) self. We shall be especially concerned with the way the Platonic and neo-Platonic traditions have been assimilated into Christian “spirituality.”

Note: Offered jointly with the Divinity School as 2439.

[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: 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 2001–02. 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). Tu., 1–3. EXAM GROUP: 15, 16

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: Offered by the Divinity School as 2689

[Religion 1495. Introduction to Theological Thinking]

Catalog Number: 5154

David Lamberth (Divinity School)

Half course (fall term). Hours to be arranged.

A basic survey of a variety of approaches to theology through considering major works of significant figures. We will ask such questions as: What is the nature of theology for each author? How does she or he ask and respond to theological questions? What is distinctive and influential about his or her view of theology? Through this examination we will also be concerned more generally with the question of what theological thinking is today and what its relation is to other fields of inquiry. Authors will be drawn from the early medieval to the to the contemporary periods.

Note: Expected to be given in 2001–02. Offered by the Divinity School as 2402.

Religion 1496. Light in the Darkness: Religious Faith and Secular Values in Contemporary Anglo-American Cinema

Catalog Number: 6783 Enrollment: Limited to 12.

Eugene McAfee

Half course (spring term). Th., at 3; section 4–5; weekly screenings; Mon. 7:30–10:30. EXAM GROUP: 17, 18

A systematic study of the representation of religion and values in contemporary Anglo-American film. The course will examine the cinematic depiction of (a) “religion,” a worldview held by individuals who feel increasingly marginalized in modern Anglo-American society, and (b) the values which currently occupy pride of place in public discourse: the distribution and exercise of power, socioeconomic class consciousness, ethnic identity, and relations within and between the sexes, including the family. Films screened in the past have included *The Last Temptation of Christ*, *Romero*, *Chariots of Fire*, *Priest*, *Pulp Fiction*, *Boys N the Hood*, and *Taxi Driver*.

Cross-listed Courses

History of Science 107. History of Medieval Science
Medieval Greek 115ar. Introduction to Byzantine Greek

Primarily for Graduates

Religion 2426. Editing Greek Christian Literature: Seminar

Catalog Number: 9005

François Bovon (Divinity School) and John Duffy

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This seminar, led jointly by François Bovon and John Duffy of the FAS Classics Department,



will explore the several step preparation of a scholarly text edition. The introductory sessions will focus on heuristic questions: how to track down manuscripts of authors and individual works; how to find library catalogs and descriptions; how to obtain copies of documents. The rest of the course will be devoted to a hands-on exercise in editing and translating one or more short Greek Christian texts, particularly apocryphal texts. Intended as a sequel to Rel. 1426/HDS 1270.

Note: Offered by Divinity School as 1874.

Prerequisite: Religion 1426, HDS 1270, a course in Greek Paleography, and a strong background in Greek.

[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar]

Catalog Number: 5810 Enrollment: Limited to 20. Limited to 20.

Half course (spring term). Hours to be arranged.

The history of the Puritan movement in the context of the Reformation and the Reformed tradition; mainstream and radical movements, including Quakerism. A reading seminar, using primary materials and the major historiography.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 2270.

[Religion 2469. Ernst Troeltsch: Social Theorist, Philosopher of History, Theologian: Seminar]

Catalog Number: 8632 Enrollment: Limited to 12. Limited to 12.

Sarah Coakley (Divinity School)

Half course (spring term). Hours to be arranged.

This seminar will discuss some of the major influential writings of Ernst Troeltsch (1865–1923), setting him in the context of his own day and assessing his relevance for contemporary theology.

Note: Expected to be given in 2001–02. Not open to undergraduates. Offered jointly with the Divinity School as 2648.

Prerequisite: Graduate work in theology or philosophy.

[Religion 2477. God]

Catalog Number: 8838 Enrollment: Limited to 12.

Francis Fiorenza

Half course (spring term). Hours to be arranged.

An analysis of select 20th-century theologians in their approach to the issue of the knowledge of God and in their interpretations of the nature of God.

Note: Expected to be given in 2001–02. 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 2001–02. Offered by the Divinity School as 2647.

Prerequisite: Graduate work in philosophy and theology.

[Religion 2492. Christology: Ancient, Modern, and Contemporary: Seminar]

Catalog Number: 8450 Enrollment: Limited to 12.

Half course (fall term). Hours to be arranged.

This seminar will offer: an examination of formative christological developments in the patristic period, focusing on interpretational problems with the *Definition of Chalcedon* (451); an analysis of the fate of Antiochene/Alexandrian emphases in christology including a discussion of various understandings of “communications of idiom” in Greek, Scholastic, and Protestant thought; consideration of post-Enlightenment and contemporary assessments of Chalcedonianism including recent feminist and liberationist reappraisals.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 2643.

Prerequisite: Graduate work in theology or philosophy.

Cross-listed Courses

***History of Science 207r. Medieval Science: Seminar**

***History of Science 295r. Critical History: Writing Between Humans and Non-Humans**
History of Science 297r. Topics in the History of Medieval Latin Science

Graduate Courses of Reading and Research

***Religion 3420hf. Seminar for Advanced New Testament Students**

Catalog Number: 6026

Allen D. Callahan (Divinity School) 1321

Half course (throughout the year). Alternate W., 3–5.

Seminar for Th.M., Th.D., and Ph.D. candidates, and qualified M.T.S. and M.Div. students. Required for Th.M. candidates in the field and for Th.D. and Ph.D. candidates until the term following successful completion of general exams. Subject for 2000–01: Ritual Agape in the New Testament: The problem of the Seminar is the meaning of “agape” in the New Testament. We will start with a survey of the important New Testament scholars that treat love, and the works of modern New Testament that treat the texts. We will then consider problems of the contemporary interpretation of “agape” in Christian thought, moving dialectically from exegesis to ethics and back.

Note: Offered jointly with the Divinity School as 1980.

***Religion 3490hf (formerly *Religion 3490). Colloquium in Theology**

Catalog Number: 6295

Nicholas P. Conostas (Divinity School) 2352

Half course (throughout the year). W., 3–5. EXAM GROUP: Fall: 8, 9



This colloquium is a central vehicle of doctoral education in theology, and is composed of all faculty members, doctoral candidates and Th.M. students in the 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. The colloquium meets weekly during the fall semester and approximately biweekly through the spring. During the 2000-01 academic year the colloquium will be conducted by Nicholas Contas. In the fall it will focus on central themes in Eastern Christian theology, including creation, anthropology, the theology of God, and the role of liturgy in the enactment of theological meaning.

Note: Offered jointly with the Divinity School as 2696.

Modern Western

For Undergraduates and Graduates

[Religion 1502. Freedom and the Navigation of Desire]

Catalog Number: 7987

Half course (spring term). Hours to be arranged. EXAM GROUP: 7

This course considers western conceptions of the human using the categories of freedom and desire to approach landmark texts in the Christian tradition. A central focus of the course will be descriptions of the often embattled dimensions of the relationship between the body, human agency, and divine grace. Authors may include: Plato, Paul, Augustine, Aquinas, Luther, Teresa of Avila, Kant, Hegel, Foucault, Bynum, Ruether, Irigaray, and Girard.

Note: Expected to be given in 2001–02. Jointly offered with the Divinity School as 2462.

[Religion 1503. Hegel, Kierkegaard, Nietzsche: Prophets of Postmodern Thought]

Catalog Number: 7738

Half course (fall term). Hours to be arranged.

A close analysis of texts by three 19th-century writers in the modern West whose critiques of religion have animated 20th-century intellectual movements across a broad range of disciplines—philosophy, theology, art, literature, postmodern and feminist theory. This course examines each author's assessment of the modern condition and the role of religion in causing and/or curing its characteristic forms of alienation from God, others, world and self. Specific texts may include: Hegel's *Phenomenology of Spirit* and *1827 Lectures on the Philosophy of Religion*, Kierkegaard's *Concluding Unscientific Postscript* and *Works of Love*, Nietzsche's *On the Genealogy of Morals*, *Twilight of the Idols*, and *The Antichrist*. Recommended: Religion 1500, or a course in philosophy, theology, political or social theory, or western intellectual thought.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 2444.

[Religion 1504. Religion in America: From the Coming of the Europeans to the 1870s]

Catalog Number: 2509



Half course (fall 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 2001–02. Offered jointly with the Divinity School as 2303.

Religion 1508. New Approaches to American Religious History: Seminar

Catalog Number: 8669 Enrollment: Limited to 20.

Ann D. Braude (Divinity School)

Half course (spring term). Tu., 1–3 and hour to be arranged. EXAM GROUP: 15, 16

Recent scholarship in the field will form the basis for this seminar considering new narrative strategies, interpretive departures, and current research methods in American Religious History. Students will compare new works with relevant precursors.

Note: Jointly offered with the Divinity School as 2323.

Religion 1509. Divining Imagination: Seminar

Catalog Number: 7918

Courtney Bickel Lamberth

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

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: Offered jointly with the Divinity School as 2463.

Religion 1515. Religion and Culture in 19th-Century America and Europe: Seminar

Catalog Number: 4488 Enrollment: Limited to 20. Limited to 20.

David Sumner Hall

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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 1517. The Spirit of American Religious Thought and Philosophy]

Catalog Number: 8858

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

Concentrates on such important authors in the formative development of American religious thought and philosophy as Jonathan Edwards, William Ellery Channing, Ralph Waldo Emerson, William James, and Josiah Royce.



Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 2551.

Prerequisite: Graduate level work in Theology or Philosophy.

Religion 1520. Introduction to Hermeneutics and Theology

Catalog Number: 6184

Francis Fiorenza (Divinity School)

Half course (fall term). M., W., at 10, and one 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 Sumner Hall

Half course (spring term). Tu., Th., at 12, and one hour to be arranged. EXAM GROUP: 14

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: Offered jointly with the Divinity School as 2302.

Religion 1528. Globalization, Civil Religion and Human Values: Envisioning World Community

Catalog Number: 4705

Brian C. W. Palmer

Half course (fall term). M., W., at 3 and a discussion hour 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? In this course, we look for the seedlings of a global civil religion in such practices as war-crimes tribunals, U.N. women's conferences, human-rights declarations, Doctors Without Borders, interreligious dialogues, CNN broadcasts, Internet forums, McDonaldization, and Hollywood myth-making. The course draws upon ethnographic and cinematic accounts — as well as in-class interviews with relevant experts -- to understand the history of worldwide convergences, the rites and identities of today's global citizens, and the possibilities for utopian or dystopian futures.

Note: Offered by the Divinity School as 3332.

[Religion 1530r. Religious Values and Cultural Conflict: Seminar]

Catalog Number: 6858

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Hours to be arranged.

By reading and reflecting on a number of recent novels, both their content and the reception they received, we will examine how conflicting theological, cultural, and ethical values are expressed



in this medium. Among the works we will consider are *Charming Billy* by Alice McDermott, *The God of Small Things* by Arundhati Roy, *The Beauty of the Lilies* by John Updike, *The Blessing Way* by Tony Hillerman, *Satanic Verses* by Salman Rushdie, *This Present Darkness* by Frank Peretti, *Demascus Gate* by Robert Stone, *The Jewish War* by Tova Reich, and *Amsterdam* by Ian McEwan.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 2504.

[Religion 1535. Theology and Power: Seminar]

Catalog Number: 8857 Enrollment: Limited to 12.

Half course (fall term). Hours to be arranged. EXAM GROUP: 17, 18

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 2002–03. Offered by the Divinity School as 2633. Offered fall 2002.

[Religion 1536. Theology and Culture]

Catalog Number: 1908 Enrollment: Limited to 30.

Half course (spring term). Hours to be arranged.

This course will discuss the various modern theological interpretations of the relation between religion and culture in general and Christianity and culture in particular. The lectures and discussion will deal with the following authors: Weber, Troeltsch, Niebuhr, Barth, Tillich, Bellah, Berger, Habermas, Moltmann, Metz, Segundo, West.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2630. Offered fall 2002.

[Religion 1541. Kant and Kierkegaard]

Catalog Number: 7694 Enrollment: Limited to 12. 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 2001–02. Offered by the Divinity School as 2670.

[Religion 1543. Modern Theology I: Modern Theology and the Critique of Religion]

Catalog Number: 6386

David Lamberth (Divinity School)

Half course (fall term). Hours to be arranged.

In this course we will consider the formative development of modern theology (primarily continental) in the context of the principal philosophical and social critiques of religion in the 19th century. Topics will include human nature and society, the developing understanding of religion, the relationship of humanity to the divine, the possibility and character of religious knowledge, and the impact of developing understandings of the social, of history, and of



historicity. Authors considered may include Kant, Schleiermacher, Hegel, Feuerbach, Marx, Kierkegaard, Nietzsche, Harnack, Troeltsch, and Rauschenbusch.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 2431.

Prerequisite: Previous work in Theology or Philosophy.

[Religion 1546. Religion and the American Pragmatic Tradition: Seminar]

Catalog Number: 6273 Enrollment: Limited to 12. Limited to 12.

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

The seminar will begin with a consideration of the formative contributions of Peirce, James and Dewey, moving on to look at the renaissance of pragmatism in such authors as Rorty, Putnam, West, Seigfried, Chopp, Davaney, and Anderson. We will focus especially on the distinctively American character of the project of pragmatism taken broadly, exploring its diversity and continuity in the context of American religion and culture.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 2671.

[Religion 1547. Modern Theology II: Modern Theology and the Ends of Modernity]

Catalog Number: 7008

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

A thematic continuation of 1543, this course will consider developments within 20th century modern theology, focusing in particular on the internalization and development of forms of critique that were principally external to theology and religion in the 19th century. Beginning with the socially critical developments in kerygmatic theology, we will analyze and trace the influence of critical thought within theology through the 20th century, paying particular attention in the second half of the course to the emergence of feminist and black liberation theologies in the United States. In the final weeks we will evaluate selected developments in postmodern thought in light of this tradition of theological reflection.

Note: Expected to be given in 2001–02. Offered by the Divinity School as 2433.

Prerequisite: 2431 or the equivalent.

[Religion 1548. Religion and the Performing Arts: The Case of American Modern Dance: Seminar]

Catalog Number: 3603 Enrollment: Limited to 15. Limited to 15. Preference given to concentrators.

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 2001–02. Field trips dependent on local concert schedules. Offered



jointly with the Divinity School as 2445.

Prerequisite: One course in the modern West.

Cross-listed Courses

[Afro-American Studies 120. African-American Religious History]

English 131. Milton

[Historical Study B-46. The Darwinian Revolution]

Graduate Courses of Reading and Research

[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.

This course considers the historical significance of women's participation in a variety of religious groups over the course of America's past. It examines both laity and leadership to investigate how specific religious expressions interact with gender systems to reinforce or conflict with social expectations for women.

Note: Expected to be given in 2001–02. Offered by the Divinity School as 2325.

Prerequisite: Some previous work in American religious history.

[Religion 2515. Church and World: A Theological and Political Assessment: Seminar]

Catalog Number: 9233

J. Bryan Hehir (Divinity School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

This seminar will analyze in ecumenical perspective the relationship of the church to the world in its biblical, theological and moral dimensions. Theological perspectives drawn from classical sources (Augustine, Aquinas, Luther, Calvin) and contemporary theologians (Congar, Rahner, R. Niebuhr, Hauerwas) will be considered in light of the historical-theological perspective of Troeltsch's *Social Teaching of the Christian Churches* and in light of literature from political and social science.

Note: Expected to be given in 2001–02. Offered by the Divinity School as 2857.

[Religion 2540. Circumscribing a Discipline: Theology and the Philosophy of Religion: Seminar]

Catalog Number: 4141 Enrollment: Limited to 12.

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

In the contemporary academy, philosophy of religion is regularly treated as a separate enterprise from theological study. This seminar will be concerned with two central questions, one genealogical and the other critical and conceptual: 1) What are the conditions (conceptual, academic, historical) under which the philosophy of religion emerged as its own field in the development of Western thought? and 2) To what extent is it justifiable and valuable from theological or philosophical perspectives to consider the philosophy of religion as separate from theology (and vice versa)? Readings will include pivotal primary texts as well as historical



treatments, and will consider both European and American developments. Seminar participants will be expected to conduct primary research on some aspect of the seminar topic, and to present their work to the seminar at the end of the term.

Note: Expected to be given in 2002–03. Offered by the Divinity School as 2672.

Prerequisite: Advanced work in the theology or philosophy of religion.

[Religion 2545. Religion and Social Theory: Seminar]

Catalog Number: 2728

David Little (Divinity School)

Half course (fall 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 2001–02. Offered by 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 (fall term). Th., 1–3. EXAM GROUP: 15, 16

Post World War II America has witnessed dramatic changes in the roles and experience of women, as well as significant shifts in the role of religion in shaping public values, personal identity, and group affiliations. This course will examine the points of intersection between these two fundamental shifts in American social life across a spectrum of religious communities. We will survey responses to the changing roles of women both among groups that have embraced feminism and among those that view feminism as antithetical to religious values. We will explore debates and concerns leading to the ordination of women, the revision of prayer books, liturgies, language and policies, as well as debates and initiatives leading to the reassertion of traditional gender roles or to new models of family based on male headship.

Note: Offered by the Divinity School as 2328.

***Religion 3505hf. Colloquium in American Religious History**

Catalog Number: 6445 Enrollment: Limited to 25.

David Sumner Hall and William R. Hutchison (Divinity School) 4061 (on leave fall term)

Half course (throughout the year). Alternate Tu., 7:30–9:30 p.m.

Presentation and discussion of the research of doctoral candidates in American religious history.

Note: Open, with instructor’s permission, to doctoral students in other fields of religious studies or American studies. Offered jointly with the Divinity School as 2390.

Islamic

For Undergraduates and Graduates

[Religion 1555. Introduction to Islamic Mysticism: The Sufi Tradition]

Catalog Number: 3830 Enrollment: Limited to 20. Limited to 20.



Ali S. Asani

Half course (fall term). Hours to be arranged.

Introductory survey of Sufism, focusing on its fundamental concepts, ritual practices, institutions, and its impact on literary and sociopolitical life in different regions of the Islamic world.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3620.

Prerequisite: An introduction course in Islam or equivalent helpful but not essential.

[*Religion 1585. Islam in South Asia: Seminar]

Catalog Number: 2741 Enrollment: Limited to 15.

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 2001–02. Offered jointly with the Divinity School as 3884.

Prerequisite: Introductory course in Islam or or equivalent.

Religion 1590. Issues in Feminism and Islam: A Historical Overview

Catalog Number: 9891

Leila Ahmed (Divinity School)

Half course (fall term). Th., 12–3. EXAM GROUP: 14, 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 by the Divinity School as 2562/3604.

Cross-listed Courses

[Arabic 140. The Qur'an]

Arabic 141. Introduction to the Hadith

Arabic 250r. Arabic Theological Texts: Seminar

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

History 1877a. History of the Near East, 600–1055

[History 1889. Transmission of Traditional Islamic Learning in the Middle East from the Beginning of Islam to the Present]

Islamic Civilizations 145 (formerly Arabic 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 Graduates

***Religion 3603. Sources in Indian Civilization: Research Seminar**

Catalog Number: 9189

Diana L. Eck 4514

Half course (spring term). Tu., 11–1.

For Undergraduates and Graduates

[Religion 1614. The Bhagavad Gita]

Catalog Number: 8221

Half course (spring term). Hours to be arranged.

The Bhagavad Gita is one of the best-known texts of the Hindu tradition. Incorporating elements from the oldest Vedas, concepts from the Upanishads, and features from the classical schools of Yoga, Sankhya, and Vedanta, the text serves as a base to overview much that has come to be known as Hinduism. Reading of the entire text, with special attention to a wide variety of different commentaries, ancient and modern. Consideration of the role of the text in European Romanticism, Indian nationalism, and Western neo-Hindu religious movements.

Note: Expected to be given in 2001–02. No prior knowledge of Hinduism required. Offered jointly with the Divinity School as 3453.

[Religion 1615r. Philosophies of India]

Catalog Number: 9345

Half course (spring term). Hours to be arranged.

This course will evaluate some of the principal philosophical schools of India. It will start with the earliest Vedic and Upanisadic texts, examine the six principal philosophical schools of Hindu orthodoxy—Nyaya, Vaishesika, Samkhya, Yoga, Mimamsa, and Vedanta—and consider the principal heterodox schools of Buddhism, Jainism, and Carvaka. The aim of the course is to overview the main categories of Indic thought over the centuries. Attention to the interaction and disagreements amongst these schools, as well as to their historical development. Focus on views God, the self, and the phenomenal world.

Note: Expected to be given in 2001–02. No prior knowledge of Hinduism required. Offered jointly with the Divinity School as 3873.

[Religion 1617. Yoga and Ancient Indian Systems of Liberation]

Catalog Number: 9059

Half course (fall term). Hours to be arranged.

This course will consist of a close reading of Patanjali's *Yoga Sutras*, the earliest comprehensive manual on yoga psychology and meditation in ancient India. Further readings will include classical soteriological texts from different schools that have appropriated such meditational techniques as a means towards their various goals of liberation. These will include both monistic



and theistic Hindu schools such as Kashmir Saivism, Vaishnava bhakti and Tantric Shakta schools, as well as Buddhist practices. Additional readings will examine the systems of some of the more prominent practitioners of yoga in the modern period to consider issues of innovation and continuity.

Note: Expected to be given in 2001–02.

Cross-listed Courses

Foreign Cultures 12. Sources of Indian Civilization
[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

Primarily for Graduates

[*Religion 3601. Seminar: Readings in Hindu Myth, Image, and Pilgrimage]

Catalog Number: 3998

Diana L. Eck 4514

Half course (fall 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 2001–02. Offered by the Divinity School 3869.

Cross-listed Courses

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

Buddhist

For Undergraduates and Graduates

Religion 1709. Indian Buddhist Thought and Practice through Scripture: Seminar

Catalog Number: 9363 Enrollment: Limited to 12. Limited to 12. Preference will be given to undergraduate concentrators.

Natalie Dawn Gummer

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

An investigation of early Mahayana Buddhist thought and practice through a close reading of Buddhist scriptures in translation (including the Diamond Sutra, the Lotus Sutra, and the Sutra of Golden Light.) While the course focuses primarily on the original Indic Buddhist context of these scriptures, it also explores how the interpretation of Buddhist scriptures has been shaped by different audiences, past and present, as well as how diverse audiences' conceptions of self and world may have been shaped by these scriptures.

[Religion 1720. Buddhist Ethics: Proseminar]

Catalog Number: 3961

Charles Hallisey

Half course (fall term). Hours to be arranged.

A systematic exploration of the place of ethics and moral reasoning in Buddhist thought and



practice. The scope of the course is wide, with examples drawn from the whole Buddhist world, but emphasis is on the particularity of different Buddhist visions of the ideal human life. Attention given to the problems of the proper description of Buddhist ethics in a comparative perspective.

Note: Expected to be given in 2002–03. Offered jointly with the Divinity School as 3503.

[Religion 1721. Buddhist Views of Suffering: Seminar]

Catalog Number: 9894 Enrollment: Limited to 12. Limited to 12, preference will be given to undergraduates.

Charles Hallisey

Half course (spring term). Hours to be arranged.

The Buddha said, “I teach one thing and one thing only: suffering and the ending of suffering.”

This seminar will consider Buddhist views of suffering from a variety of angles in Buddhist thought and practice with an aim of exploring not only what can be learned about Buddhist views of suffering but also what can be learned from them.

Note: Expected to be given in 2001–02. Offered jointly with the Divinity School as 3861.

Prerequisite: At least one course in the study of Buddhism or instructor’s permission.

Religion 1724. The Genre of Biographical Narrative in Buddhist South and Southeast Asia: Seminar

Catalog Number: 2219 Enrollment: Limited to 15. Limited to 15. Preference to undergraduate concentrators.

Karen Anne Derris

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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?

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). M., 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. 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 2001–02. Separate requirements for undergraduate and graduate students. Knowledge of Asian Buddhism is desirable. Offered jointly with the Divinity School as 3851.

Cross-Listed Courses

***East Asian Buddhist Studies 114. The Mahâyâna in East Asia: Bodhisattvas and Their Cults in Medieval and Early Modern East Asian Buddhism**

***East Asian Buddhist Studies 115. Buddhist Meditation Traditions**

[East Asian Buddhist Studies 206. Hua-yen: The Formation of a Chinese School of Buddhism]

East Asian Buddhist Studies 212. Later Huayan Buddhism

[Tibetan 106. Buddhism in Tibet: Traditional Learning and the Experience of Enlightenment]

Chinese and Japanese

Cross-listed Courses

Chinese History 240r (formerly Chinese History 240). Readings in Chinese Intellectual History

[Chinese History 251. Confucian Ethics: Proseminar]

Chinese Literature 208. Readings in Buddhist *Bianwen* and Related Dunhuang Materials

[Historical Study A-13. China: Tradition and Transformation]

Historical Study A-14. Japan: Tradition and Transformation

Japanese History 116a. History of Japanese Religions: Conference Course

Japanese History 116b. History of Japanese Religions: Conference Course

[Japanese History 117. Religion and Gender in Japanese History: Conference Course]

Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community

Graduate Courses of Reading and Research

***Religion 3000. Direction of Doctoral Dissertations**

Catalog Number: 1933

Margaret Alexiou 1214, Ali S. Asani 7739 (on leave 2000-01), Clarissa W. Atkinson (Divinity School) 3101, François Bovon (Divinity School) 3551, John B. Carman (Divinity School) 1284,



Sarah Coakley (Divinity School) 1873, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health and Divinity School) 1670, Diana L. Eck 4514, James Engell 8076, Francis Fiorenza (Divinity School) 2735 (on leave fall term), William A. Graham, Jr. 4156, David Sumner Hall, Charles Hallisey 3032 (on leave 2000-01), Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, J. Bryan Hehir (Divinity School) 2145, Albert Henrichs 4085 (on leave fall term), William R. Hutchison (Divinity School) 4061 (on leave fall term), Helmut H. Koester (Divinity School) 3477, James L. Kugel 7575 (on leave spring term), David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave fall term), Francisco Márquez 5064, Everett I. Mendelsohn 2700, David Gordon Mitten 1290, Roy Mottahedeh 1454 (on leave fall term), Richard R. Niebuhr (Divinity School) 2183, Tomás Ó Cathasaigh 1224 (on leave spring term) (spring term only), Ralph B. Potter (Divinity School) 1046, Hilary Putnam 2838, Elisabeth Schüssler Fiorenza (Divinity School) 3193, P. Oktor Skjaervo 2869 (on leave spring term), Lawrence E. Sullivan (Divinity School) 2653, Stanley J. Tambiah 4692, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, and Leonard W. J. van der Kuip 1556 (on leave spring term)

Note: and others authorized by the Chair.

***Religion 3001. Reading and Research**

Catalog Number: 7954

Margaret Alexiou 1214, Ali S. Asani 7739 (on leave 2000-01), Clarissa W. Atkinson (Divinity School) 3101, François Bovon (Divinity School) 3551, Edwin Bryant 3610 (on leave 2000-2001), John B. Carman (Divinity School) 1284, Sarah Coakley (Divinity School) 1873 (spring term only), Nicholas P. Constatas (Divinity School) 2352 (spring term only), Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health and Divinity School) 1670, Diana L. Eck 4514, James Engell 8076, Francis Fiorenza (Divinity School) 2735 (on leave fall term), Robert M. Gimello 9240, William A. Graham, Jr. 4156, David Sumner Hall, Charles Hallisey 3032 (on leave 2000-01), Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, Albert Henrichs 4085 (on leave fall term), William R. Hutchison (Divinity School) 4061 (on leave fall term), Helmut H. Koester (Divinity School) 3477, James L. Kugel 7575 (on leave spring term), David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, David Little (Divinity School) 2793, Peter Machinist 2812 (on leave fall term), Francisco Márquez 5064, Everett I. Mendelsohn 2700, David Gordon Mitten 1290, Roy Mottahedeh 1454 (on leave fall term), Richard R. Niebuhr (Divinity School) 2183, Kimberley C. Patton (Divinity School) 3306 (on leave 2001-02), Ralph B. Potter (Divinity School) 1046, Hilary Putnam 2838, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Lawrence E. Sullivan (Divinity School) 2653, Stanley J. Tambiah 4692, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, Cornel West 1212 (on leave 2000-01), and Preston N. Williams (Divinity School) 3153

Note: and others authorized by the Chair.

***Religion 3002. Foreign Language Certification**

Catalog Number: 4791

Members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and research conducted in a specific foreign language, normally French or German, to satisfy the modern language reading proficiency requirement for Ph.D. students in the Study of Religion.



Note: Limited to Ph.D. candidates who receive written permission from the Committee's Director of Ph.D. Studies.

Romance Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Romance Languages and Literatures

Christie McDonald, Smith Professor of French Language and Literature (*Chair*)

Laura Benedetti, John L. Loeb Associate Professor of the Humanities (*on leave 2000-01*)

Reda Bensmaïa, Visiting Professor of Romance Languages and Literatures (*Brown University*) (*spring term only*)

Leo Bersani, Visiting Professor of Romance Languages and Literatures (*University of California, Berkeley, Emeritus*) (*fall term only*)

Marie-France Bunting, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Advisor in French*)

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*) (*on leave spring term*)

Tom Conley, Professor of Romance Languages and Literatures (*Director of Graduate Studies in French*)

Verena A. Conley, Visiting Professor of Literature

Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in Italian*)

Samba Diop, Assistant Professor of Romance Languages and Literatures (*on leave 2000-01*)

Alexia Elisabeth Duc, Assistant Professor of Romance Languages and Literatures

Bradley S. Epps, Professor of Romance Languages and Literatures (*on leave fall term*)

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures (*Director of Graduate Studies in Spanish*)

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, Professor of Romance Languages and Literatures

Luis M. Girón Negrón, Assistant Professor of Comparative Literature and Romance Languages and Literatures

Virginie Greene, Assistant Professor of Romance Languages and Literatures and of History and Literature (*Undergraduate Adviser in Romance Studies*)



Nina C. de W. Ingrao, Senior Preceptor in Romance Languages and Literatures
 Alice Jardine, Professor of Romance Languages and Literatures (*Director of Undergraduate Studies*)
 Lawrence D. Kritzman, Visiting Professor of Romance Languages and Literatures (*Dartmouth College*) (*spring term only*)
 Johanna Damgaard Liander, Senior Preceptor in Romance Languages and Literatures
 Francisco Márquez, Arthur Kingsley Porter Research Professor of Romance Languages and Literatures
 José Antonio Mazzotti, Assistant Professor of Romance Languages and Literatures (*Undergraduate Adviser in Spanish*) (*on leave spring term*)
 Mabel Moraña, Visiting Professor of Romance Languages and Literatures (*University of Pittsburgh*)
 Marlies Mueller, Senior Preceptor in Romance Languages and Literatures
 Federica G. Pedriali, Visiting Professor of Romance Languages and Literatures (*University of Edinburgh*) (*spring term only*)
 Lino Pertile, Professor of Romance Languages and Literatures and Professor of Comparative Literature
 Angel Quintero, Visiting Professor of Romance Languages and Literatures (*University of Puerto Rico*) (*fall term only*)
 Patricia Sobral, Preceptor in Romance Languages and Literatures
 Doris Sommer, Professor of Romance Languages and Literatures
 Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*on leave 2000-01*)
 Richard Terdiman, Visiting Professor of Romance Languages and Literatures (*University of California, Santa Cruz*) (*spring term only*)
 Diego Zancani, Visiting Professor of Romance Languages and Literatures (*University of Oxford*) (*fall term only*)
 Abby Zanger, Associate Professor of Romance Languages and Literatures (*on leave 2000-01*)

Other Faculty Offering Instruction in the Department of Romance Languages and Literatures

Stanley Hoffmann, Paul and Catherine Battenwieser University Professor (*on leave fall term*)

The curriculum in Romance Languages and Literatures includes courses in French, Italian, Portuguese, Romance Linguistics, Romance Studies, and Spanish, and is structured in four large groupings: 1) Letters (A-C) designate elementary and early intermediate courses covering the first four semesters of language study; 2) Numbers 1-99 indicate courses in language, literature, and culture designed primarily for undergraduates. Numbers 1-59 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 50-59 offer the most advanced level of language study and are also open to graduate students. Courses 70-79 are introductory surveys of literature. 90-99 include tutorials for concentrators and a new 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. No one may enter A level courses after the eighth meeting of the class, Bab classes after the first meeting, or a C or 20 level course after the sixth meeting.

Catalan

Primarily for Undergraduates

Catalan Ba. Introduction to Catalan

Catalog Number: 2153

Bradley S. Epps and staff

Half course (spring term). Tu., Th., 3–5. EXAM GROUP: 17, 18

A basic introductory course in 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 and historical texts and will offer students contact with contemporary Catalonia through the press and Internet sites. The course will cover approximately two-thirds of the material normally covered in first year Catalan.

Note: Conducted in Catalan. Knowledge of another Romance language is useful but not essential.

***Catalan 91r. Supervised Reading and Research**

Catalog Number: 2578

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

French

The term “placement score” or “placement test” below and in the various course descriptions refers to the French placement test given during Freshman Week for freshmen, and usually on Registration Day for returning students. All students with some previous French in secondary school are required to take the placement test.

Students who receive a grade of 4 or 5 in the College Board Advanced Placement Examinations in French Literature are admitted directly into French 47 and 48, with permission of instructor,



and also into middle-group courses of French literature. Students who receive a grade of 4 or 5 in the College Board Advanced Placement Examinations in French Language normally are admitted to French 47 with the permission of the instructor. For details of Advanced Placement see the pamphlet *Advanced Standing at Harvard College* or apply to the Director of the Program of Advanced Standing.

Primarily for Undergraduates

French A. Elementary French

Catalog Number: 3373

Marlies Mueller and staff

Full course (indivisible). Five meetings a week and laboratory, Section I: M. through F., at 9; Section II: M. through F., at 10; Section III: M. through F., at 11; Section IV: M. through F., at 12; Section V: M. through F., at 1. EXAM GROUP: 12

A complete basic course covering all major grammatical constructions for students with little or no knowledge of French. A multi-media approach, with an initial emphasis on oral mastery of the language, furnishes a solid basis for the development of reading and writing skills during the Spring term. By the end of their first year of language training, students will speak simple, correct French, and will have read such landmark authors as Victor Hugo (*Fantine*), Mérimée (*Carmen*), and Sartre (*Huis Clos*) in their original language, yielding an introduction to French Culture and aesthetics as reflected in literary and cinematic masterpieces.

Note: French A fulfills the language requirement. Students whose placement score does not entitle them to enter a more advanced course are assigned to French A. May not be taken Pass/Fail.

French Ax. Reading French

Catalog Number: 2763

Judith Frommer and staff

Half course (fall term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 13

An introduction to reading modern French prose for students who require only reading knowledge of French for research purposes. Selection of materials in accordance with students' needs. Some previous study of a Romance language helpful but not necessary.

Note: Not open to students with a score of 500 or above on the SAT II French test, or to graduate students with more than one year of undergraduate French, or to auditors. May not be used to fulfill the language requirement and may not be taken Pass/Fail.

***French Bab. Intensive Elementary French: Special Course**

Catalog Number: 8780 Enrollment: Limited to 15 students per section.

Judith Frommer and staff

Full course (spring term). Section I: M. through F., at 10 and Tu., Th., at 11. Section II: M., through F., at 1 and Tu., Th., at 2. EXAM GROUP: 3, 12, 13

A complete first-year course for non-requirement students. Provides a solid foundation in French for those with absolutely no prior knowledge of the language. Speaking, listening, reading, and writing are all emphasized, with class time devoted to oral expression. After French Bab, students should be able to engage in everyday conversation with native speakers, and read



straightforward texts, both fiction and non-fiction, with relative ease.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail.

French Bab does not section. Interested students should see Prof. Frommer for an interview during the fall term reading period.

Prerequisite: An advanced knowledge of at least one foreign language.

French Ca. Intermediate French I

Catalog Number: 1810

Judith Frommer and staff

Half course (fall term). M. through Th., sections at 9, 10, 11, 12, or 1. EXAM GROUP: 10

A beginning intermediate course emphasizing the basic communication skills of listening, speaking, reading, and writing, and including a study of grammar. Students become familiar with contemporary France through videotapes, feature length films, and interactive videodisc and are introduced to French literature through a selection of short texts.

Note: Conducted in French. Open to students who have passed French A or for initial placement, to students with a placement score of 500-599 on the SAT II test or the Harvard Placement Test, or 3 years of French in high school, or with permission of the instructor. May not be taken Pass/Fail.

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 12; Section IV: M., W., F., at 1. EXAM GROUP: 10

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.

Prerequisite: Open to students after French Ca, or with a placement score of 600-659 on the SAT II test or the Harvard Placement test; or by permission of instructor. May not be taken pass/fail.

French 25. Intermediate French III: L’Etre humain et son univers

Catalog Number: 8781

Marlies Mueller and staff

Half course (fall term; repeated spring term). Fall: Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 12; Section IV: M., W., F., at 1. Spring: Section I: M., W., F., at 10; Section II: M., W., F., at 12.. EXAM GROUP: Fall: 10; Spring: 3

An introduction to French literature and cinema combined with a complete review of French grammar. Contemporary texts and films are chosen that explore enduring questions of human experience. Reflections on the meaning of life are compared and contrasted. Authors and filmmakers include Baudelaire, Camus, Kieslowski, Pagnol, Rimbaud, and Sartre. By the end of the semester, students should be able to understand lectures in French and express their thoughts orally and in writing with confidence using simple, complete French.

Note: Conducted in French. Open to students with a grade of A- in French A or French Bab, a B in French Ca with language requirement completed, a B in French Cb, or, for initial placement, a



placement score between 600-659 on the SAT II test or the Harvard Placement test; or by permission of the instructor. May not be taken Pass/Fail.

French 27. French Oral Survival: Le Français parlé

Catalog Number: 3060

Judith Frommer and staff

Half course (fall term; repeated spring term). Fall: Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1; Spring: Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1. EXAM GROUP: 2

A course stressing oral communication intended to prepare students for immersion in any Francophone country. Current vocabulary, idiomatic expressions, and culturally appropriate speech strategies are presented thematically. Students improve listening and speaking skills using videotapes, films, interactive videodiscs, and audiocassettes; they review grammar with a computer tutorial. Weekly articles from the French press offer opportunities to develop reading skills while providing information about contemporary France. After taking French 27, students should feel at ease speaking French and conversing with native speakers and should be able to handle all situations encountered in everyday life.

Note: Open to students with a placement score of 600-659 on the SAT II test or the Harvard Placement test; and to those who have received a grade of B+ in French A or Bab, a B in French Ca with language requirement completed, or a B in French Cb or French 25, or permission of instructor. French 27 may not be used to fulfill the language requirement and may not be taken Pass/Fail.

French 31. Oral Expression: La France à travers les medias

Catalog Number: 0490

Judith Frommer and staff

Half course (fall term; repeated spring term). M., W., F., at 11. EXAM GROUP: 4

Designed for students with a conversational level of French who want to further develop their oral-aural skills. Students will increase their vocabulary and acquire more sophisticated speech strategies while learning about France through the French press, (both written and audio-visual), films, and the world wide web. The course will include a grammar review and practice in writing.

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: Open to students with a placement score of 660 on the SAT II test or the Harvard Placement test. Also open to students who have taken French 25 or French 27, or by permission of the instructor.

French 35. Upper-Level French I: “La quête de soi et le rapport avec autrui”

Catalog Number: 1935

Marlies Mueller and staff

Half course (fall term; repeated spring term). Fall: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. Spring: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 3, 4

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.

Prerequisite: For initial placement, French 25, or permission of instructor. Open to students with a placement score of 660 on the SAT II test or the Harvard Placement test taken. May not be taken Pass/Fail.

French 36. Upper-Level French II: Liberté et Conscience

Catalog Number: 6963

Marlies Mueller and staff

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 13

An advanced course in French language and literature structured to develop near-native fluency in written and oral expression. Examines the nature and consequences of freedom. How do power, knowledge, and freedom interrelate? What ethical difficulties does the affirmation of individual liberty occasion? Politics, philosophy, art, and literary imagination are considered as they relate to the creation and expansion of human autonomy. Authors and film directors include Balzac, Beauvoir, Camus, Granier-Deferre, Maupassant, Nuytten, Ophuls, Renoir, Ribowska, and Yourcenar. Grammar is reviewed in context, complemented by audiotapes, videotapes, films, and optional computer-assisted instruction materials designed to sharpen oral/aural skills.

Note: Conducted in French.

Prerequisite: French 25, 27, 30, or 35; a placement score of 690 on the SAT II test or the Harvard Placement test ; or permission of the instructor. May not be taken Pass/Fail.

French 37. Les régions de France: hier et aujourd'hui

Catalog Number: 7909

Marie-France Bunting and staff

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3

A journey through various regions of France surveying the present and past identities of Bretagne, Alsace, and Provence, Dordogne and Périgord, through history, folklore, traditions, gastronomy, art, music, and regional literature. Resources for class discussions include current articles from the French press, information from web sites, and historical, sociological and literary writings as well as films and video documents. Emphasis on oral communication. An advanced grammar review is offered along with practice in writing and vocabulary enrichment.

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 31, 35 or 36. Open to students with a placement score of 710 on the SAT II test or the Harvard Placement test, or by permission of the instructor.

French 38b. Introduction to Francophone Literature

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 and alienation as expressed in the works of Hébert, Condé, Chedid, Sembène, Laye, Chraïbi, and Francophone film directors.

Note: Conducted in French. May not be taken pass/fail.

Prerequisite: French 31, 35, 36, 37. Open to students with a placement score of 710 on the SAT II test or the Harvard Placement test, or 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.

Prerequisite: Open to students with a placement score of 660 on the SAT II test or the Harvard Placement test. Also open to students who have taken French 25 or French 27, or by permission of the instructor.

French 47. Contemporary French Society

Catalog Number: 5611

Marie-France Bunting

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 12. EXAM GROUP: 3

Advanced study of French which combines an active use of the language and practice in writing with a close look at some fundamental issues within contemporary French society. We will study in depth such topics as: family, gender, the educational system, urban problems, and social stratification. Resources for class discussion include readings from sociological, historical and literary sources as well as articles from the French press and websites. Films and documentaries are frequently used to add a cultural and human understanding to the course material.

Note: Conducted in French. May not be taken Pass/Fail. Open to students with a placement score of 760 on the SAT II test or the Harvard Placement test, or by permission of instructor.

Prerequisite: French 36, 37, or 38b.

French 48. French Institutions: Some Current Debates

Catalog Number: 8290

Marie-France Bunting



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: French politics, immigration, religion, the relationship of France with her former colonies, the French language, “l’exception culturelle,” “la Francophonie,” and France within the European Union. Students will participate in discussions based on readings from the French press and websites as well as from sociological, historical 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, 38b, 45 or 47. Open to students with a placement score of 780 on the SAT II test or the Harvard placement test; or by permission of the instructor.

French 51. Writing Workshop

Catalog Number: 0575 Enrollment: Limited to 15 per section.

Marie-France Bunting

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

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, we will study certain forms of French rhetoric such as *le résumé* (summary) and *la lecture méthodique* (close reading). Students’ work will be discussed in class and in private conferences.

Note: Conducted in French. May not be taken Pass/Fail.

Prerequisite: French 36, 37, 38b, 47 or 48. Open to students with a Harvard Placement test 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., 3–4:30. EXAM GROUP: 8, 9

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, counseling, 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, 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, 38b, 47, or 48. Open to students with a score of 750 on a Harvard Placement test, or by permission of the instructor. Recommended for concentrators and joint concentrators.



French 70a. Introduction to French Literature I: The Beginnings of Literary Space

Catalog Number: 2865

Tom Conley

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13

Panorama of texts selected from medieval, early modern, and classical periods. Emphasis on literature and the visual arts.

Note: Lectures in French, accompanied by viewings of related visual materials; and discussion.

Prerequisite: Open to students with a placement score of 660 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of instructor.

French 70b. Introduction to French Literature II: From the Romantics to the Present

Catalog Number: 6720

Alice Jardine

Half course (spring term). T., 1–3, plus one additional hour to be arranged. EXAM GROUP: 15, 16

Significant texts from the 19th and 20th centuries examined in the light of contemporary literary and cultural criticism.

Note: Lectures in French; third hour devoted to discussion of texts studied.

Prerequisite: Ability to understand and read French with ease.

[French 70c. Introduction to French Literature III: The Francophone World]

Catalog Number: 6432

Samba Diop

Half course (spring term). Hours to be arranged.

Studies short stories, poetry, film, and drama from Black Africa, Quebec, Martinique, Guadeloupe, French Guyana, Vietnam, Algeria, Morocco, Tunisia, Madagascar, Djibouti, and La Réunion.

Note: Expected to be given in 2001–02. Lectures in French.

Prerequisite: Ability to understand and read French with ease.

***French 91r. Supervised Reading and Research**

Catalog Number: 3954

Marie-France Bunting and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***French 97. Tutorial—Sophomore Year**

Catalog Number: 0173

Alice Jardine and members of the Department and Tutorial Board.

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Group tutorial. What is “literature”? Introduction to literary interpretation. Discussion of literary works in relation to literary theory.

Note: Required of concentrators in their sophomore year. Open to non-concentrators by permission of the instructor.



***French 98. Tutorial—Junior Year**

Catalog Number: 0879

Marie-France Bunting and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of French 98 is required of all honors concentrators.

***French 99. Tutorial—Senior Year**

Catalog Number: 2836

Marie-France Bunting and members of the Department and Tutorial Board.

Full course. Hours to be arranged.

Note: Weekly individual instruction for honors seniors writing a thesis. Successful completion of one semester of French 99 is required of all honors concentrators. To enroll, see Marie-France Bunting, the Undergraduate Advisor in French.

Cross-listed Courses

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours

Foreign Cultures 22a. La critique sociale à travers l'humour

Foreign Cultures 22b. La critique sociale à travers l'humour

[Literature and Arts C-25. The Medieval Stage]

Literature and Arts C-43. The Medieval Court

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]

For Undergraduates and Graduates

French 100. History of the French Language

Catalog Number: 4197

Virginie Greene

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Presents the evolution of French from Latin to modern French, introduces basic phonology and morphology, discusses the various policies which attempted to rule the use of French and its dialects from the 9th century to the present.

Note: Expected to be omitted in 2001–02. 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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Provides students with linguistic, literary and cultural means of exploring French medieval literature. We will study verse and prose works from the 12th to the 15th century, using both editions in Old French and translations in modern French.

Note: Conducted in French.



[French 104. The Autumn of the Middle Ages]

Catalog Number: 7978

Virginie Greene

Half course (spring term). Hours to be arranged.

“So violent and motley was life, that it bore the mixed smell of blood and of roses” (Johan Huizinga, 1924). We will explore 14th- and 15th-century French literature not only in search of “blood and roses” esthetics, but also in questioning the relations between faith and reason, princes and poets, melancholy and enjoyment, fiction and reality. We will read texts by well-known authors such as François Villon, Jean Froissart, Philippe de Commynes, Christine de Pizan, and texts by less-known ones such as Antonine de La Sale, René d’Anjou, La Tour Landry.

Note: Expected to be given in 2002–03.

French 107. The Middle Ages in 19th-Century French Literature

Catalog Number: 3819

Virginie Greene

Half course (fall term). M., W., 12:30–2. EXAM GROUP: 5, 6

“Encore du moyen âge, toujours du moyen âge!” Théophile Gautier complained in 1835. From Chateaubriand to Proust, we will try to understand why romantics, symbolists, decadents, and even realists like Flaubert, were driven to use the Middle Ages in their literary undertakings. Readings will include poetry, drama, novels and historiography, by Nodier, Hugo, Dumas père, Michelet, Aloysius Bertrand, Nerval, Balzac, Huysmans, France, and others.

Note: Expected to be omitted in 2001–02. Conducted in French.

French 119. The French 17th Century: A Century of Moralists

Catalog Number: 9288

Alexia Elisabeth Duc

Half course (spring term). Tu., Th., 10–11:30.

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: Conducted in French.

[French 121. The Text of the Renaissance]

Catalog Number: 4006

Tom Conley

Half course (fall 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 2001–02. Conducted in French.



[French 130. Literature and Cartography: History and Theory]

Catalog Number: 7252

Tom Conley

Half course (spring term). Hours to be arranged.

Studies groundwork of a new field through comparative analysis of space, language, and locational imaging from late-medieval texts to the computer. Readings will extend into early modern print-culture (Rabelais, Finé, Thevet), the classical age (Descartes, Corneille, Sanson); the Enlightenment (Diderot, Cassini survey, Vaugondy); post-1789 (De Lisle, Balzac, Vidal de la Blache); the age of cinema (Clair, L'Herbier, Godard). Theory includes Certeau, Deleuze, Foucault, Jacob, Lefebvre.

Note: Expected to be given in 2001–02. Conducted in French.

French 131. From the Study to the Stage: Self, Identity and Writing in the 17th Century

Catalog Number: 7385

Alexia Elisabeth Duc

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

The argument of the course presents a counter-narrative to conventional histories of the emancipation of the individual beginning in the Renaissance and continuing steadily through the Enlightenment. In 17th-century France, the prevailing modes of constructing the self reflect a strong skepticism towards the very possibility of self-knowledge which leads to a reflection on the relationship between subjectivity and what is exterior to it but defines it; discourse, society, God. Readings start with Montaigne whose seminal enterprise sets the terms of the debate and follow with lyrical poetry (T. de Viau, St. Amant), theater (Corneille, Molière) moralist writing (La Rochefoucauld, Nicole, Pascal) and letters (Mme de Sévigné, Bussy-Rabutin).

Note: Conducted in French.

[French 132a. 20th-Century French Fiction I: The Realist Model]

Catalog Number: 4382

Susan R. Suleiman

Half course (fall term). Hours to be arranged.

How has realism been interpreted by its major modern practitioners in French? Is realism in fiction a style, a genre, an ideology, a way of seeing, a way of reading? What is the relation between realism and history, politics, sexual politics, ethics? Discussions of work by Colette, Gide, Céline, Sartre, Camus, Beauvoir, and others, as well as selected critical essays.

Note: Expected to be given in 2002–03.

[French 132b. 20th-Century French Fiction II: The Experimental Mode]

Catalog Number: 1890

Susan R. Suleiman

Half course (fall term). Hours to be arranged.

What are some alternatives to (or subversions of) realism in fiction? We will try to answer that question by examining four major experimental currents or movements in 20th-century imaginative writing: Surrealism, the *nouveau roman*, the Oulipo, and *écriture féminine*. Discussion of works by Breton, Crevel, Bataille, Robbe-Grillet, Sarraute, Queneau, Perec, Duras, Wittig, Cixous, as well as selected critical essays.

Note: Expected to be given in 2001–02.



[French 136. Feminist Literary Criticisms]

Catalog Number: 3845

Alice Jardine

Half course (fall term). Hours to be arranged.

Close readings of postwar French fiction and theory with emphasis on what is called “the feminine” in key psychoanalytic, philosophical, and literary feminist writings of the French poststructuralist tradition. What has been the legacy and impact of the last three decades of dialogue between French “theory” and feminist “practice” in the United States? Writings to be considered include Hélène Cixous, Marguerite Duras, Jeanne Hyvrard, Luce Irigaray, Julia Kristeva, and Monique Wittig as well as Gilles Deleuze, Jacques Derrida, and Jacques Lacan.

Note: Expected to be given in 2002–03. Conducted in English. Readings in French.

Prerequisite: Excellent reading knowledge of French.

French 139a (formerly French 139). The 18th Century: Self and Society

Catalog Number: 2906

Christie McDonald

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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: Given in French.

[French 139b. The 18th Century: Ethical Dilemmas]

Catalog Number: 2223

Half course (fall term). Hours to be arranged.

Questions how notions of the personhood and otherness inhabit the emergent novel: exploring the way in which events and values are resisted or subsumed in literary discourse and the kind of social and political responsibility that accompanies it. Readings will be taken from the works of Charrière, Gouges, Laclos, Marivaux, Montesquieu, Rousseau, Sade, Voltaire, etc.

Note: Expected to be given in 2002–03. Conducted in French.

French 151. 19th-Century “-Isms”: Romanticism and Realism

Catalog Number: 6512

Richard Terdiman (University of California, Santa Cruz)

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Considers the major literary movements of the first half of the 19th century in France—Romanticism and Realism. Readings drawn from Hugo, Vigny, Lamartine, Musset, Stendhal, Balzac, Flaubert, and others. The examination given to these texts and movements will be historical, critical and comparatist. Their interrelations with contemporary social and cultural developments in France, with other arts, and with each other will be major foci of the course.

Note: Conducted in French.

[French 161. The Subject in Question]

Catalog Number: 3214

Christie McDonald

Half course (spring term). Hours to be arranged.



Explores the question of the subject in autobiographical and biographical writings: how identities constituted in fiction and nonfiction explore the limits of available models (rhetorical, historical, political, and sexual) from the Western tradition. Readings include works by such authors as Rousseau, Stein, de Beauvoir, Sartre, Barnes, Barthes, Carol Shields, Gabrielle Ray.

Note: Expected to be given in 2001–02. Conducted in English. French concentrators may take for credit.

Prerequisite: Reading knowledge of French recommended.

[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 2002–03. Conducted in French.

[French 167. Parisian Cityscapes]

Catalog Number: 7641

Verena A. Conley

Half course (spring term). Hours to be arranged.

Examines the rapid urbanization of Paris from World War II to the present by means of fiction, films and critical essays. Investigates how the Americanization of France, decolonization, immigration, globalization and the European Union continue to restructure the city with repercussions on its social, political, and artistic life (Allouache, Augé, Balibar, de Beauvoir, Beyala, Godard, Kassovitz, Maspero, Latour, Ross and others).

Note: Expected to be given in 2001–02. Conducted in French.

French 168. Modern French Fiction

Catalog Number: 0589

Leo Bersani (University of California, Berkeley, Emeritus)

Half course (fall term). M., W., at 4. EXAM GROUP: 9

In reading several "consecrated" (and some less consecrated...) texts from 20th-century French fiction, we will be examining a possible (or inherent) relation between monumentality and dereliction. How does a cultural movement identify itself as a cultural derelict? In what sense might dereliction be a sign not only of cultural defeat but also of cultural value? Works by Proust, Gide, Breton, Bataille, Sartre, Camus, Duras, Wittig, Beckett, Michon and Bergougnoux.

Note: Conducted in French.

[French 175. Julia Kristeva: Introductions and Conclusions]

Catalog Number: 1888

Alice Jardine

Half course (spring term). Hours to be arranged.

A textual and political introduction to one of the most important intellectuals of the 20th century as well as an attempt to draw some conclusions about the promises of her work for the future.



Special attention will be paid to the question of gender and women in her writings.

Note: Expected to be given in 2002–03. Conducted in English with readings in French.

Prerequisite: Excellent reading knowledge of French. Some background in French Poststructuralist theory would be helpful.

[French 180. 20th-Century French and Francophone Women Writers]

Catalog Number: 4566

Alice Jardine

Half course (fall term). Hours to be arranged.

A consideration of some of the major novels by women writing in French from Colette to Djébar. Emphasis will be added to the literary, critical and political questions raised by the inclusion of women's cultural work into the canon.

Note: Expected to be given in 2002–03. Conducted in English. Readings in French.

[French 182. Poetics and Politics: Contemporary French Theory and Culture]

Catalog Number: 0684

Verena A. Conley

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Focuses on the relation between cultural production and politics in the debate over the evolution of societies. Deals with cultural responses (theory, fiction and film) to unifying processes of global modernity. Readings include: Augé, Balibar, Cixous, Deleuze and Guattari, Derrida, Djébar, Godard, Virilio, and others.

Note: Conducted in French.

[French 188. Women Francophone Writers]

Catalog Number: 9922

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. Thus, there is a dynamic impulse predicated on the articulation of themes pertaining to societies where women are at the forefront in many areas; through the aid of narratives, we are given specific interpretations of topics: family, polygyny, modern/urban and rural life, education, marriage, the workplace, gender, race and ethnicity, etc. Authors include A. Andria, A. Sow Fall, M. Bâ, K. Bugul, C. Njuzi, H. Bassek, W. Liking, M. Rakotoson, (Africa and Madagascar); A. Djébar, F. Mernissi (Maghreb); M. Lacrosil, M.-T. Colimon, M. Condé (Antilles); M. Ndiaye, C. Beyala (France).

Note: Expected to be given in 2001–02. Conducted in French.

[French 194. Francophone Film, Cinema, and Epic Fiction]

Catalog Number: 9392

Samba Diop

Half course (spring term). Hours to be arranged.

Francophone cinema articulates themes in visual forms, with a distinct style of expression: colonization; decolonization; millenarian politics; the status of women; Western consumerism; the disenfranchised poor; Islam, Christianity and African religions; the *griot* and epic traditions; urban and rural life; myths and folktales; post-colonial life; education; reverse anthropology; etc.



The peculiarity of Francophone cinema is that national languages such as Berber, Wolof, Arabic, Creole, Mandinka, are used as media of expression. However, because of the interferences with French, there is a diglossia between French and the national languages. Films allow us a broad view of the landscapes and of peoples in concrete forms. To provide contrast, we will read selected novels and epic texts.

Note: Expected to be given in 2001–02. Conducted in English. Readings available in English and in French.

French 198. Nations of Writers: On Contemporary Francophone Literature

Catalog Number: 3144

Reda Bensmaia (Brown University)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Does a writer belong to a “Nation”? To which Nation does a writer belong when he or she writes in the language of his or her former colonizer? Does political independence warrant the existence of a new Nation? How does literature contribute to the emergence and consolidation of a new Nation? How does Francophone literature relate to French literature? These are some of the questions which will guide our reading of major contemporary Francophone writers. Works or excerpts of works by Nina Bouraoui, Leïla Sebbar, Albert Memmi, Jacques Derrida, Abdelkébir Khatibi, Assia Djébar, Nabile Farès, Hélé Béji, Hélène Cixous, Jacques Roumain, Édouard Glissant and others.

Note: Conducted in French.

Cross-listed Courses

[Literature 119. The Holocaust and Problems of Representation]

[*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 224. Theater and Politics in the Classical Age: Corneille, Racine, Molière

Catalog Number: 6943

Alexia Elisabeth Duc

Half course (spring term). W., 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 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 2001–02. The language of class discussion will be determined.

Prerequisite: An excellent reading knowledge of French.

French 255. A Certain Idea of France: La France Imaginée

Catalog Number: 0420

Lawrence D. Kritzman (Dartmouth College)

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Throughout French cultural history the issues of race and culture have been integrally linked to questions of nationalism and the constitution of personal and social identity. Drawing upon a variety of interdisciplinary perspectives (history, literature, philosophy, anthropology, sociology, and psychoanalysis) and practical expressions (education, propaganda, and socio-cultural rituals), we will examine the concept of the nation, the question of race, and the politics of racism conceptually and historically.

Note: Classroom discussion in French and English. A reading knowledge of French is required.

French 258. Writing the Whole: “Totality” and its Discontents

Catalog Number: 4790

Richard Terdiman (University of California, Santa Cruz)

Half course (spring term). Tu., 2–5. EXAM GROUP: 16, 17, 18

Explores several versions of 19th-century representation of the world as a comprehensible “totality.” Principal readings in Balzac, Flaubert, Marx, and Mallarmé. Today the notion of “totality” is regularly discredited. Why were writers in the 19th century so committed to it? And why do many stigmatize it today?

Note: Conducted in English, with primary readings in French.

[French 267. The Public Intellectual in France, from Zola to Bourdieu]

Catalog Number: 6201

Half course (spring term). Hours to be arranged.

What forms has the political engagement of the 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 2001–02. Conducted in English or French, depending upon student preference.

French 269. Sociability, Sexuality, and Community

Catalog Number: 9715

Leo Bersani (University of California, Berkeley, Emeritus)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18



This seminar assumes, and takes as its point of departure, a certain familiarity with the widespread problematizing today of the nature and value of community, of the relation between community and identity, and, most significantly, of the nature of sociality itself. A time of relational crisis is also a time of a dangerous but also potentially beneficial confusion about modes of connectedness, about the ways in which who or what or how we *are* depend on how we connect. We will study various “plateau of relationality”: monogamy and the intimately conjoined couple; cruising and promiscuity; sociability; political identity; solidarity between the human and the non-human. Cultural texts from literature (Sophocles, Molière, Beckett, Sartre), philosophy and social/political theory.

Note: Conducted in English.

[French 270. War and Memory: Representations of World War II in Postwar French Literature, History and Film]

Catalog Number: 7428

Susan R. Suleiman

Half course (spring term). Hours to be arranged.

Discussion of selected novels, essays, autobiographical and historical writings, and films about wartime experiences, as seen from immediate and later postwar perspectives. Topics include trauma, testimony, and the relations between history and its representations. Works by Sartre, Céline, Simon, Perec, Duras, Modiano, Delbo, Ophuls, and others.

Note: Expected to be given in 2002–03. Open to qualified juniors and seniors.

[French 289r. French African Literature: Seminar]

Catalog Number: 4502

Samba Diop

Half course (fall term). Hours to be arranged.

Topic for 2001-02: The Black African and Maghrebin Francophone Novel. Fictional writings from Black and North Africa. Themes discussed: colonization, Islam, Christianity, and animism, polygeny, French language and education in Africa, postcoloniality, women’s writings, modernity, relation between North and Black Africa, etc. Both essays and novels by: M. Béti, K. Yacine, A. Khatibi, V. Tadjó, O. Sembène, T. Ben Jelloun, Ken Bugul, A. Djébar, Hampâté Bâ, Werewere Liking, H. Lopès, M. Dib, A. Meddeb.

Note: Expected to be given in 2001–02. 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

Tom Conley 1908, Samba Diop 3079 (on leave 2000-01), Judith Frommer 7066, Virginie Greene 1007, Alice Jardine 7457, Barbara E. Johnson 7626 (on leave fall term), Christie McDonald 1160, and Susan R. Suleiman 7234 (on leave 2000-01)



***French 330. Direction of Doctoral Dissertations**

Catalog Number: 7843

Tom Conley 1908, Samba Diop 3079 (on leave 2000-01), Virginie Greene 1007, Alice Jardine 7457, Barbara E. Johnson 7626 (on leave fall term), Christie McDonald 1160, and Susan R. Suleiman 7234 (on leave 2000-01)

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 auditors are allowed in lettered language courses. 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.

Primarily for Undergraduates

Italian A. Elementary Italian

Catalog Number: 4309

Elvira G. DiFabio and staff

Full course (indivisible). M. through F., and laboratory. Sections at 9, 10, 11, 12, or 1. EXAM GROUP: 10

For students with little or no knowledge of Italian. Aims at achieving basic communication skills and vocabulary. Emphasis on oral expression and listening comprehension in the fall semester, with additional emphasis in the spring semester on reading and writing. Introduction to Italian literature through short stories in the spring semester. Course materials include complete software program for Italian grammar and vocabulary.

Note: Conducted largely in Italian. Students whose placement score does not entitle them to enter a more advanced course are assigned to Italian A. May not be taken Pass/Fail.

Italian Ax. Reading Italian

Catalog Number: 4015

Elvira G. DiFabio and staff

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

For students (both undergraduate and graduate) with little or no knowledge of Italian. Aims at the rapid development of reading skills as a tool for research. Selections of materials in accordance with the needs of the participants.

Note: Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail.

***Italian Bab. Intensive Elementary Italian: Special Course**

Catalog Number: 3065 Enrollment: Limited to 15.

Elvira G. DiFabio and staff



Full course (fall term; repeated spring term). Section I: M. through F., at 10, Tu., Th., at 9; Section II: M. through F., at 12, Tu., Th., at 11. EXAM GROUP: 3, 11, 12

A complete first-year course in one semester for students with no knowledge of Italian.

Speaking, listening, reading, and writing skills are all emphasized with class time focused on developing oral/aural skills. Selected readings from 20th-century authors.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail.

Conducted largely in Italian. Before the first day of classes interested students should call 495-5478 for sign-up information.

Prerequisite: An advanced knowledge of at least one foreign language, preferably a modern Romance language.

Italian Ca. Intermediate Italian I

Catalog Number: 3217

Elvira G. DiFabio and staff

Half course (fall term). Section I: Tu., Th., 1–2:30 and one hour to be arranged; Section II: Tu., Th., 2:30–4 and one hour to be arranged; Section III: M., W., F., 12–1 and one hour to be arranged. EXAM GROUP: 15, 16

Students are introduced to contemporary Italian culture with notions of history, geography, art, music, and literature, while developing the four basic communication skills. Includes a grammar review. Special audiovisual materials are used for insight into modern Italian culture and for developing the ability to understand Italian in many different social and intellectual situations.

Note: Conducted in Italian. Open to students who have passed Italian A, Italian Bab or, for initial placement, to students who achieve a placement score of 450-599 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Italian Cb. Intermediate Italian II

Catalog Number: 6805

Elvira G. DiFabio and staff

Half course (spring term). Section I: Tu., Th., 1–2:30 and one hour to be arranged; Section II: Tu., Th., 2:30–4 and one hour to be arranged; Section III: M., W., F., 12–1 and one hour to be arranged. EXAM GROUP: 15, 16

A logical continuation of Italian Ca, emphasizes developing fluent reading skills with two novels and a play by 20th century authors. Sophisticated written communication will be stressed through regular reaction papers and critical essays, and oral expression will be practiced with a performance of a theatrical work at the end of the semester. Computer-assisted activities reinforce vocabulary and grammar review.

Note: Conducted in Italian. Open to students whose placement score indicates a more advanced course, or as a continuation of Italian Ca. Also open to students who have earned a grade of B+ or above in Italian Bab.

***Italian Dab. Intensive Intermediate Italian: Special Course**

Catalog Number: 7258 Enrollment: Limited to 15.

Elvira G. DiFabio

Full course (spring term). M. through F., at 10 or 12 and Tu., Th., at 9 or 11. EXAM GROUP: 5, 13, 14

A complete second-year course in one semester for students with an elementary knowledge of



Italian. Speaking, listening, reading, and writing skills are all emphasized with class time focused on further developing oral/aural skills. Sophisticated written communication will be stressed through regular reaction papers and critical essays, and oral expression will be practiced with a performance of a theatrical work 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. Before the first day of classes interested students should call 495-5478 for sign-up information.

Italian 35. Upper-Level Italian I: Parliamo dell'Italia

Catalog Number: 2659

Elvira G. DiFabio and staff

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

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., 3–4:30. EXAM GROUP: 8, 9

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 44. Advanced Italian: Effetto Commedia

Catalog Number: 5776

Elvira G. DiFabio

Half course (fall term). Th., at 1, Tu., 1–3 and film screenings to be arranged. EXAM GROUP: 15, 16

Comedy Italian style in cinema (from Totò to Benigni) and its origins. Presents students with another dimension of Italian culture, while perfecting their language skills. Problems in composition addressed through short weekly assignments; grammar review in context. Weekly video screenings.

Note: Conducted in Italian. Open to graduate students with permission of the instructor.

Prerequisite: Italian 36 or permission of instructor.



Italian 48. Voices from Italy: Issues of Identity

Catalog Number: 0178

Elvira G. DiFabio

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9

An exploration of various identities of Italy, including that of non-Italians in contemporary Italy and Italians living abroad. Students will investigate these issues from a wide variety of sources, including popular music and films, news reports, and literary, historical and sociological texts. Frequent oral and written assignments. Grammar reviewed in context.

Note: Conducted in Italian.

Prerequisite: Italian Ca and 35 or permission of instructor.

Italian 50. Literary Translation

Catalog Number: 5676

Elvira G. DiFabio

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Practice in translation from English to Italian, and occasionally from Italian to English, using sample texts from literature, history, and philosophy. Introduction to a variety of styles, literary devices, semantic and cultural distinctions, and structural differences between Italian and English.

Note: Conducted in Italian. Open to students who have passed Italian 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.

Advanced grammar course introducing notions of phonology, morphology and syntax, including the analysis of frequently occurring linguistic phenomena especially within the verb paradigm. Includes modules on the history of the language, the dialectics and comparative Romance linguistics.

Note: Expected to be given in 2001–02. Conducted in Italian or English. 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 (formerly *Italian 98r). Tutorial—Sophomore Year**

Catalog Number: 1795

Elvira G. DiFabio and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged.



Note: Conducted in Italian. Successful completion of one semester of Italian 97 is required of concentrators in their sophomore year.

***Italian 98. Tutorial—Junior Year**

Catalog Number: 1167

Elvira G. DiFabio and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 13, 14

Note: Successful completion of one semester of Italian 98 is required of all honors concentrators.

***Italian 99. Tutorial — Senior Year**

Catalog Number: 7840

Lino Pertile 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

[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

Diego Zancani (University of Oxford)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Italian (like French, Spanish, Portuguese, etc.) is, effectively, Modern Latin. How did Italian, and the numerous dialects of Italy, come about? 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.

Italian 120a. Dante's *Inferno*

Catalog Number: 1186

Lino Pertile

Half course (fall term). Tu., Th., at 10 and one additional hour to be arranged. EXAM GROUP: 12

Introduces students to Dante's *Divine Comedy*, an Italian poem that for centuries has occupied a special position in the cultural life of the West, continues today to be a source of inspiration for artists, and is an object of intense interest for scholars all over the world. While concentrating on the close study of the *Inferno* against the background of medieval Italy, the course attempts to account for the poem's enduring presence in our time.

Note: Conducted in English.



Italian 120d. Dante's *Purgatorio* and *Paradiso*

Catalog Number: 2558

Lino Pertile

Half course (spring term). Tu., Th., at 10 and one additional hour to be arranged. EXAM

GROUP: 12

Dante's *Divina Commedia*. A continuation of Italian 120a.

Note: Conducted in English.

Italian 140. The *Novella* from Boccaccio to the Storytellers of the 16th Century

Catalog Number: 4689

Franco Fido

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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, Mascuccio Salernitano, Bandello, Parabosco, 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: Conducted in English or Italian.

Italian 163. From Memoirs to Confessions: Autobiography in Europe in the 18th and Late 19th Century

Catalog Number: 3503

Franco Fido

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

In the 18th century the writing of one's memoirs—as a record of events witnessed by the author and preserved for future readers—evolves first into the reconstruction of one's intellectual career for the benefit of pupils or followers, then into the project of recounting one's life in order to find a meaning to it. Finally, with and after Rousseau, such a project turns increasingly to introspection and confession, and at the same time, involves a re-invention of the Self, bringing autobiography close to the novel. After a short introduction of early models, such as Saint Augustin, Montaigne, Cellini, authors discussed will include Vico, Hume, Gibbon, Franklin, Mme. Rolland, Goldoni, Da Ponte, Casanova, Alfieri, Goethe, Cheateaubriand, Stendhal.

Note: Conducted in English.

[Italian 193. Literature and Fascism]

Catalog Number: 0981

Lino Pertile

Half course (spring term). Hours to be arranged.

To what extent did Italian culture contribute to, and how was it affected by, the rise and consolidation of Fascism? How did Italian writers, artists, and intellectuals react and adapt to the Fascist regime? This course aims at providing an understanding of the culture of the 1920s and 1930s while focusing on some major literary works of the period.

Note: Expected to be given in 2001–02. Conducted in English.

Prerequisite: Reading knowledge of Italian.



[Italian 195. The Post War Novel]

Catalog Number: 1502

Half course (fall 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 2001–02. Conducted in English.

Prerequisite: Reading knowledge of Italian required.

[Italian 198. Italo Calvino: The Poetics of Lightness]

Catalog Number: 0358

Laura Benedetti

Half course (spring 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 2001–02. Conducted in English. Readings available both in the original and in translation.

Cross-listed Courses

Linguistics 110. Introduction to Linguistics

[*Visual and Environmental Studies 152br. Italian Cinema]

Primarily for Graduates

[Italian 230. Petrarca and the Divided Self]

Catalog Number: 5548

Lino Pertile

Half course (spring term). Hours to be arranged.

Studies Petrarch’s vernacular poetry in the cultural context of Trecento Italy with particular reference to Dante and the *dolce stil nuovo*. The stylistic and linguistic features of Petrarch’s *Rime* are analyzed in depth while their philosophical aspects are related to some of Petrarch’s Latin works, especially the *Secretum*.

Note: Expected to be given in 2002–03. Competence in the Italian language is required.

[Italian 235 (formerly 135). Boccaccio]

Catalog Number: 6488

Franco Fido

Half course (fall term). Hours to be arranged.



Boccaccio's writings from the early Neapolitan works to the *Decameron*, with special attention to Boccaccio's narrative poetics and techniques.

Note: Expected to be given in 2002–03. Conducted in Italian.

Italian 240. Gadda and His Critics

Catalog Number: 3908

Federica G. Pedriali (University of Edinburgh)

Half course (spring term). Tu., 2:30–5. EXAM GROUP: 16, 17, 18

When it came out in 1957, “Quer pasticciaccio brutto de via Merulana” was hailed as the Italian *Finnegans Wake*, as the point of reference for any theoretical thinking on the contemporary Italian novel. Forty years on, however, Gadda's text-theory is beginning to prove its narrative quality through a new breed of critics. To examine the reception of Gadda's works involves, then, re-assessing some of the pivotal ideas in late 20th-century critical thought. This is the aim of the course, which will look at Gadda and his readers, questioning both from a *post-structuralist* frame of reference.

Note: Conducted in English or in Italian.

[Italian 256. Themes and Dreams of the Italian Renaissance]

Catalog Number: 2749

Laura Benedetti

Half course (fall term). Hours to be arranged.

The course will examine topics which were the subject of intense debate during the Renaissance: the rediscovery of Aristotle's *Poetics*, the role of the intellectual, the *questione della lingua*, and the notion of woman. Texts from Castiglione, Bembo, Tasso, Fonte, Marinelli and others.

Note: Expected to be given in 2001–02. Discussion in either Italian or English.

Prerequisite: Reading knowledge of Italian necessary.

[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 2001–02. Conducted in Italian.

Italian 270ar (formerly Italian 270r). Italian Literature Seminar

Catalog Number: 0694

Franco Fido

Half course (fall term). W., 1:30–4. EXAM GROUP: 6, 7, 8

Topic for 2000-01: Poeti dialettali italiani dal Settecento al Novecento.

Note: Conducted in Italian.



Italian 270br. Italian Literature: Seminar

Catalog Number: 3937

Lino Pertile

Half course (spring term). M., 2:30–5. EXAM GROUP: 7, 8, 9

Topic for 2000-01: Foscolo and the Literature of the Napoleonic Age.

Italian 281r. Italian Literature: Seminar

Catalog Number: 1140

Franco Fido

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8, 9

Topic for 2000–01: Goldoni e il teatro comico del Settecento.

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 2000-01), Franco Fido 2446, Lino Pertile 3416, and Diego Zancani (University of Oxford) 3577 (fall term only)

***Italian 330. Direction of Doctoral Dissertations**

Catalog Number: 3679

Laura Benedetti 1327 (on leave 2000-01), Dante Della Terza 1461, Franco Fido 2446, and Lino Pertile 3416

Portuguese

The foreign language requirement may be met by passing a special Portuguese Examination set by the Department of Romance Languages and Literatures. The examination will be given by Dr. Patricia Sobral on Friday, September 15 at 1pm in Boylston Hall 324.

Primarily for Undergraduates

Portuguese A. Elementary Portuguese

Catalog Number: 7130

Patricia Sobral (spring term) and staff

Full course (indivisible). Fall: M., W., F., at 12. EXAM GROUP: Fall: 5

Designed to introduce the student with little or no knowledge of the language to the Portuguese-speaking world. Teaches fundamental communication skills—understanding, speaking, reading, and writing—and, at the same time, provides exposure to the culture and civilization of Brazil and Portugal through media broadcasts, literature readings, films, music, and videotapes. By the end of the course, students should be able to communicate easily with native speakers as well as be acquainted with basic elements of Luso-Brazilian culture.

Note: Conducted in Portuguese. May not be taken Pass/Fail; not open to auditors.



Portuguese Ac. Elementary Portuguese for Spanish Speakers

Catalog Number: 0430

Patricia Sobral and staff

Half course (fall term). Section I: M., W., F., at 12; Section II: M., W., F., at 1. EXAM GROUP: 5

An introductory language course designed for students with native or near-native fluency in Spanish. Along with the fundamental communication skills—understanding, speaking, reading and writing—the course will focus on those features of Portuguese which are most difficult for Spanish speakers: pronunciation, idioms and grammatical structures particular to Portuguese. Students will be introduced to the cultures of the Portuguese-speaking world through readings and authentic materials, including films, music and videotapes.

Prerequisite: Native or near-native fluency in Spanish.

Portuguese Ad. Elementary Portuguese for Spanish Speakers

Catalog Number: 1315

Patricia Sobral and staff

Half course (spring term). Section I: M., W., F. at 12; Section II: M., W., F., 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 or permission of instructor.

Portuguese Ba. Introduction to Portuguese

Catalog Number: 0514

Patricia Sobral and staff

Half course (spring term). Section I: M., W., 3–5; Section II: M., W., 5–7. EXAM GROUP: 7, 8

A basic introductory course for students who can devote only one semester to the study of Portuguese. Teaches fundamental communication skills—understanding, speaking, reading and writing—but does not offer a complete study of grammar.

Portuguese Ca. Intermediate Portuguese I

Catalog Number: 7692

Patricia Sobral and staff

Half course (fall term). Tu., Th., 11:30–1, plus an additional hour to be arranged. EXAM GROUP: 13, 14

Develops facility in oral expression, writing, and reading. Compositions, class discussions, and oral reports based on modern short stories and newspaper and magazine articles. Grammar review, exercises in vocabulary building.

Note: Conducted in Portuguese. Especially recommended for those students who wish to improve their ability to speak and write Portuguese. May not be taken Pass/Fail.

Prerequisite: Portuguese A or permission of instructor.

Portuguese Cb. Intermediate Portuguese II

Catalog Number: 2799

Patricia Sobral and staff



Half course (spring term). Tu., Th., 11:30–1, plus an additional hour to be arranged. EXAM GROUP: 13, 14

A continuation of Portuguese Ca.

Note: Conducted in Portuguese. May not be taken Pass/Fail.

Prerequisite: Portuguese Ca or permission of instructor.

Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media

Catalog Number: 5024

Patricia Sobral

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An exploration of contemporary Brazil as presented in the Portuguese-language press, television, literature, and film. Students will read current issues of newspapers and magazines and see videotapes of Brazilian television and films, covering a broad spectrum of viewpoints and interests. The study of various aspects of life in Brazil today, such as education, family structures, and politics. A systematic grammar review is included.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken SAT/UNS by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of the instructor.

[Portuguese 38. Images of Brazil: Contemporary Brazilian Cinema]

Catalog Number: 8893

Patricia Sobral

Half course (spring term). Hours to be arranged.

An exploration of the various images of Brazilian culture and society as seen and created within Brazil as well as abroad. This course will enable students to investigate current trends in contemporary Brazil through the eye of the camera. Students will watch and read the latest film and written materials produced in Brazil. Topics discussed include ethnic and national identity, race relations, and gender representation. A systematic grammar review is included.

Note: Expected to be given in 2001–02. Conducted in Portuguese. May not be taken Pass/Fail, but may be taken SAT/UNS by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of the instructor.

[Portuguese 51. Journey Through Brazil: Advanced Writing and Reading in Portuguese]

Catalog Number: 0863

Patricia Sobral

Half course (spring term). Hours to be arranged.

An advanced course in Portuguese that takes the student on a journey through Brazil as seen through the eyes of several contemporary Brazilian writers and thinkers. The course will also look at views of Brazil from the outside, i.e., Brazilians writing about their country and experiences from abroad. Class materials will include novels, short stories, essays, interviews and other texts drawn from journalism and anthropology. Special emphasis will be paid to stylistic variations, lexical nuances, and complex grammatical structures. Frequent written and oral assignments.

Note: Expected to be given in 2001–02.



***Portuguese 91r. Supervised Reading and Research**

Catalog Number: 5589

Joaquim-Francisco Coelho (fall term), Patricia Sobral (spring term) 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 (fall term); Patricia Sobral (spring term) 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 (fall term); Patricia Sobral (spring term) 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 (fall term); Patricia Sobral (spring term) and members of the Department and Tutorial Board.

Full course. Hours to be arranged.

For honors seniors writing a thesis. Successful completion of one semester of Portuguese 99 is required of all honors concentrators. To enroll see course head.

For Undergraduates and Graduates

Portuguese 121a. Introduction to the Literature of Brazil I

Catalog Number: 5164

Joaquim-Francisco Coelho

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A survey of the development of Brazilian literature from colonial times to the present. Emphasis on major authors (Gregório de Matos, Gonçalves Dias, Machado de Assis, Drummond de Andrade, Clarisse Lispector, Cecília Meireles, Guimarães Rosa, Ferreira Gullar).

[Portuguese 121b. Introduction to the Literature of Brazil II]

Catalog Number: 4363

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.



A continuation of Portuguese 121a.

Note: Expected to be given in 2002–03.

[Portuguese 122a. Introduction to the Literature of Portugal I]

Catalog Number: 2943

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

The main currents of Portuguese literature. Emphasis on major authors, literary schools, and socio-aesthetic ideas from Gil Vicente and Camões to Eça de Queiroz, Fernando Pessoa, Jorge de Sena, and José Saramago. Aims to teach students to read Portuguese texts and to think and write about them in a broad Western European context.

Note: Expected to be given in 2001–02.

Prerequisite: Reading knowledge of Portuguese.

[Portuguese 122b. Introduction to the Literature of Portugal II]

Catalog Number: 3654

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A continuation of Portuguese 122a.

Note: Expected to be given in 2001–02.

Portuguese 160. The Cultural Politics of Brazilian Identity(ies): Post-64 Literature and Interrogations of Power, Ethics, and Alterity

Catalog Number: 1530

Nelson H. Vieira

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

We will read selected prose written during Brazil's military regime (1964-1985) and later (1990s) investigating contemporary transformations in literary representation that challenged Brazilian systems of hegemonic thinking and writing. Structures of power vs. social equality; cultural encounters and the construction of otherness; ethical recognition and the right to equitable representation; confrontation with cultural taboos; feminine and minority discourse; the tension between “high” and “low” art. Cultural representation as an epistemological, literary and political issue. The narratives of Ivan Angelo, Rubem Fonseca, Clarice Lispector, Sônia Coutinho, Caio Fernando Abreu, Sérgio Sant’Anna, Roberto Drummond, Moacyr Scliar, and theoretical and critical writings reflecting postcolonial, postmodern and cultural studies approaches.

Note: Conducted in Portuguese.a

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 2001–02. 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 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 2001–02. Taught in Portuguese.

[Portuguese 222. Introduction to Camões]

Catalog Number: 2995

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

Study of the epic and lyric poetry of Camões in the context of the European Renaissance. Special attention given to the love sonnets and to the lyrical passages of *The Lusiads*.

Note: Expected to be given in 2002–03. Taught in Portuguese.

Portuguese 227. Fernando Pessoa

Catalog Number: 7375

Joaquim-Francisco Coelho

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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 (on leave spring term)

***Portuguese 321. Literature of Brazil: Supervised Reading and Research**

Catalog Number: 5933

Joaquim-Francisco Coelho 7715 (on leave spring term)

***Portuguese 330. Direction of Doctoral Dissertations**

Catalog Number: 4072

Joaquim-Francisco Coelho 7715 (on leave spring term), Luis Fernández-Cifuentes 2091, Mary Gaylord 2632, Francisco Márquez 5064, 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.

Cross-listed Courses

Linguistics 110. Introduction to Linguistics

Romance Studies

For Undergraduates and Graduates

Romance Studies 91r. Supervised Reading and Research

Catalog Number: 8210

Virginie Greene and members of the Department.

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.

Romance Studies 120. Emergence of the Lyric Subject in Early Romance Poetry (12th to 16th Centuries)

Catalog Number: 8861

Mary Gaylord and Virginie Greene

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: 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 171. The Spanish Civil War, from Two Sides of the Border]

Catalog Number: 5340

Bradley S. Epps and Susan R. Suleiman

Half course (spring term). Hours to be arranged.

The Spanish Civil War (1936-1939) fired the imaginations as well as the political passions of artists and intellectuals the world over, both during the war and for decades afterward. This course will examine some of the major French and Spanish literary and artistic responses to that war, from 1936 to our own day. Discussions of works by poets, novelists, filmmakers, visual artists, including Malraux, Tzara, Eluard, Semprun, Picasso, Simon, Miró, Lorca, Cela, Rodoreda, Aub, Franco, and others.

Note: Expected to be given in 2001–02. Conducted in English.

Cross-listed Courses

[Women’s Studies 134. Women’s Writing and Film in Latin America and the Caribbean]

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 4 or 5 in the College Board Advanced Placement Examinations in Spanish are granted Advanced Placement in Spanish and may take Spanish 44 with permission of the instructor or (if recommended) middle-group courses in Spanish and Hispanic-American literature. Some Advanced Placement students may be advised to take a Foreign Cultures course in a Hispanic field as their first college course in literature in Spanish. For details, see the pamphlet *Advanced Standing at Harvard College* or apply to the Director of the Program of Advanced Standing.

No auditors are allowed in lettered language courses. No one may enter Spanish A after the eighth meeting, Spanish Bab after the first meeting, or a C-level course after the sixth meeting.

Primarily for Undergraduates

Spanish A. Elementary Spanish

Catalog Number: 4684

Johanna Damgaard Liander and staff

Full course (indivisible). Fall: M. through F., at 9, 10, 11, 1, or 2. Spring: M., W., F., at 9, 10, 11, 1, or 2. EXAM GROUP: 10

A complete basic Spanish course for students with little or no knowledge of Spanish. Primary aim is for students to achieve a satisfactory command of the language. Emphasis on speaking the language, and, in the spring term, more emphasis on reading and writing, introducing Hispanic culture and civilization through selected articles from the Spanish and Latin American press; readings by Borges, García Márquez, Pablo Neruda, and others; and use of computer, video, and film materials.

Note: Conducted largely in Spanish. May not be taken Pass/Fail. Students remain in the same section the entire year. Students whose placement score does not entitle them to enter a more advanced course are assigned to Spanish A.

Spanish Ax. Reading Spanish

Catalog Number: 5318

Johanna Damgaard Liander and staff

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

For students (both undergraduate and graduate) with little or no knowledge of Spanish. Aims at the rapid development of reading skills as a tool for research.

Note: Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail.

***Spanish Bab. Intensive Elementary Spanish: Special Course**

Catalog Number: 5577 Enrollment: Limited to 15 students per section.

Johanna Damgaard Liander and staff

Full course (spring term). Section I: M. through F., at 9 and Tu., Th., at 10; Section II: M. through F., at 11 and Tu., Th., at 12. EXAM GROUP: 2, 4, 12

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: Conducted in Spanish. May not be used to fulfill the language requirement and may not be



taken Pass/Fail. Interested students must see Dr. Liander for an interview before or during fall reading period.

Prerequisite: A knowledge of at least one foreign language, preferably a modern Romance language. Not open to freshmen.

Spanish Ca. Intermediate Spanish I

Catalog Number: 5914

Nina C. de W. Ingrao and staff

Half course (fall term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 11; Section IV: M., W., F., at 1. EXAM GROUP: 10

For students with an elementary knowledge of Spanish who wish to improve their mastery of the language. Emphasis is placed on developing oral skills, as well as reading and writing. Carefully selected readings and related activities respond to a wide variety of interests: current events and issues as well as short stories by Cervantes, Borges, Cortázar, Rulfo, Matute, Isabel Allende. At the end of the Ca-Cb sequence the student should be able to understand lectures in Spanish, converse on everyday topics with a native speaker, read material of average difficulty and mature content, and write with acceptable style and correctness.

Note: Conducted in Spanish. May not be taken Pass/Fail.

Prerequisite: Open to students who have passed Spanish A, or who have a placement score of 500 on the SAT II test or on the Harvard Placement Test or 3 years of Spanish in high school, or by permission of the instructor.

Spanish Cb. Intermediate Spanish II

Catalog Number: 6874

Nina C. de W. Ingrao and staff

Half course (spring term). Section I: M., W., F., at 9; Section II: M., W., F., at 10; Section III: M., W., F., at 11; Section IV: M., W., F., at 1. EXAM GROUP: 10

Emphasis on oral communication, with continued practice in reading and writing. Class discussions focus on the Hispanic culture, art, and literature. Authors include Ana María Matute, Borges, García Márquez, Don Juan Manuel, Unamuno. Special listening materials used for insight into the daily life in Spanish-speaking areas. After the Ca-Cb sequence, students should be able to understand lectures in Spanish, converse on everyday topics with a native speaker, read material of average difficulty and mature content, and write with acceptable style and correctness.

Note: Conducted in Spanish. May not be taken Pass/Fail.

Prerequisite: Spanish Ca or permission of the instructor.

Spanish 27. Spanish Oral Survival Course

Catalog Number: 5358

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). Section I: M. through F., at 9; Section II: M. through F., at 12; Section III: M. through F., at 1. EXAM GROUP: 10

To develop individual oral fluency in Spanish, while introducing students to attitudes, values, and cultural patterns of contemporary life in Spain and Latin America. Students are provided with continual opportunities to act out typical situations they would encounter in a Spanish-speaking environment. Although oral proficiency is not a prerequisite, course is best suited to



students who already have a good grounding in the grammar of the language.

Note: Conducted in Spanish. May not be taken Pass/Fail.

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, 6

Intended for students who want to learn to communicate in Spanish at a more sophisticated level. Discussions on topics of current interest are based on Spanish and Latin American films, literary selections, and the press.

Note: Conducted in Spanish. May not be taken Pass/Fail.

Prerequisite: Open to students who have taken Spanish 27, or by permission of the instructor.

Spanish 35. Upper-Level Spanish I: Cuatro países latinoamericanos

Catalog Number: 7127

Johanna Damgaard Liander and staff

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 10

Designed to develop fluency and accuracy in speaking, writing, and reading through a focus on contemporary Argentina, Columbia, Peru and Guatemala. Cultural, literary and historical readings, as well as films, will be studied and discussed. A review of selected grammar is also included.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail.

Prerequisite: Spanish Cb, Spanish 27, or a placement score of 660 on the SAT II test or the Harvard Placement test, or permission of the instructor.

Spanish 36. Upper-Level Spanish II: Cultura urbana actual

Catalog Number: 7095

Johanna Damgaard Liander and staff

Half course (spring term). Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 1. EXAM GROUP: 10

A language/culture course which will focus on contemporary life in the large cities of Spain, Cuba, Puerto Rico and Mexico. Through newspaper articles, music, literature and film we will examine the cultural and historical aspects particular to each of these areas as well as the elements of the modern Hispanic world that they share, with the ultimate goal of consolidating students' fluency and accuracy in speaking, writing and reading Spanish, while providing contact with the varied cultures and accents of Madrid, Barcelona, Havana, San Juan and Mexico City. Selective review of Spanish grammar, as well.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail.

Prerequisite: Spanish 35, a placement score of 660 on the SAT II test or the Harvard Placement test, or permission of the instructor.



***Spanish 41. Spanish for the Bilingual**

Catalog Number: 7690

Nina C. de W. Ingrao

Half course (fall term). M., W., F., at 12 and an additional hour to be arranged. EXAM GROUP: 5

For bilingual students needing practice in reading, writing, and grammar. Class discussions explore the common thread of the Hispanic culture among the people from all the Spanish speaking countries, including the Hispanics in the United States. Readings and discussions include Hispanic art and literature: Picasso, El Greco, Velázquez, Goya, Rivera, Siqueiros, Don Juan Manuel, Borges, García Márquez, Rulfo, Matute.

Note: Conducted in Spanish. May not be taken Pass/Fail.

Spanish 42. Advanced Spanish for the Bilingual

Catalog Number: 1880

Nina C. de W. Ingrao

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 44. Contemporary Spanish Film

Catalog Number: 5058

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: Offered in alternate years. Conducted in Spanish. May not be taken Pass/Fail.

Prerequisite: Spanish 35 or 36, or a placement score of 710 on the SAT II test or the Harvard Placement test.

***Spanish 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.

Prerequisite: Spanish 36, 42, or 44, or permission of the instructor.

[Spanish 47. Latin American Cultures]

Catalog Number: 9591

Half course (fall term). Hours to be arranged.

An advanced language and culture course focusing on readings, films and music from different Latin American regions. Concentrates on the diversity and coexistence of ethnic traditions within national spaces, while emphasizing oral and written expressions in Spanish.

Note: Expected to be given in 2001–02. Conducted in Spanish. May not be taken pass/fail.

Prerequisite: Spanish 35 or 36, or a placement score of 710 on the SAT II test or the Harvard Placement test; or with permission of the instructor.

Spanish 48. Perspectives on Mexico

Catalog Number: 5426

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, Elena Garro, Rosario Castellanos, Elena Poniatowska and María Novaro). 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 is not open to native speakers of Spanish. May not be taken pass/fail. Offered in alternate years.

[Spanish 51 (formerly Spanish 50). Theory and Practice of Translation]

Catalog Number: 2331

Half course (fall term). Hours to be arranged.

Focus on translation from English to Spanish. Analyzes the dynamic constituents of the activity of translation and tries to define the concept of “transatology.” Some of the issues to be discussed are basic operating principles of translation, types of translation, technical procedures, and the theory of segmentation. Students are required to analyze existing translations as well as to translate other texts. Special attention given to literary texts.

Note: Expected to be given in 2001–02.

[Spanish 52. Problems in Spanish Composition, Syntax, and Phonetics]

Catalog Number: 4750

Luis Fernández-Cifuentes and staff

Half course (fall term). Hours to be arranged.



A study of certain difficulties and peculiarities of the Spanish language, through the examination and discussion of literary texts in terms of usage and style. Students write free compositions, in Spanish, about the texts selected or about subjects related thereto.

Note: Expected to be given in 2001–02. Conducted in Spanish.

***Spanish 53. Taller de escritura**

Catalog Number: 2439

Luis Fernández-Cifuentes and staff.

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Aims to strengthen and develop the student's 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 placed on stylistic variations, lexical nuances, and complex grammatical structures. Students' work will be discussed in class and in private conferences.

Note: Conducted in Spanish.

Prerequisite: Open to students with a Harvard Placement score of 750, or by permission of the instructor. Recommended for concentrators and joint concentrators.

[Spanish 54. Advanced Oral Expression]

Catalog Number: 3964

Half course (spring term). Hours to be arranged.

Designed for students interested in perfecting their oral Spanish in order to improve their comprehension, fluency, syntactic accuracy and pronunciation. The course's aims are the following: to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotion, debating, negotiating, counseling, persuading, etc.; and to improve pronunciation (practice of sounds, intonation and rhythm). Authentic materials in print or on audio or video cassettes will be used as models. In addition to practical, corrective work, students will participate in a theatrical production as a final class project.

Note: Expected to be given in 2001–02. Conducted in Spanish.

Prerequisite: Open to students with a score of 750 on the Harvard Placement test or who have successfully completed a 40- or 50- level course in Spanish, or with the permission of the instructor. Recommended for concentrators and joint concentrators.

[Spanish 70a (formerly Spanish 100a). Hispanic Literature: The Middle Ages]

Catalog Number: 1587

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

Major texts and authors of Hispanic literature from the *Poem of the Cid* to the *Celestina*.

Note: Expected to be given in 2001–02. Conducted in Spanish. Required of concentrators in Spanish in their sophomore year.

Spanish 70b. Golden Age Literature

Catalog Number: 1229

Luis M. Girón Negrón

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4



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.

[Spanish 71a (formerly Spanish 101a). Spanish American Literature from the Colony to Independence]

Catalog Number: 4319

José Antonio Mazzotti

Half course (fall term). Hours to be arranged.

Survey of readings from the chronicles of discovery and conquest, through several colonial classics, to the poetry and prose of Independence.

Note: Expected to be given in 2001–02. Required of concentrators in Hispanic literature and studies.

[Spanish 71b. Spanish American Literature of the 19th and 20th Centuries]

Catalog Number: 6700

Half course (spring term). Hours to be arranged.

Survey of positivist and aestheticist responses to modernization, populist fiction, poetic vanguards, and the “Boom” in contemporary narrative.

Note: Expected to be given in 2001–02.

[Spanish 90g. Latin Quartet: Vallejo/Huidobro, Neruda/Paz]

Catalog Number: 8744

José Antonio Mazzotti

Half course (fall term). Hours to be arranged.

Will examine the *oeuvres* of these four Latin American masters of the Spanish language and poetry during the 20th century. Special emphasis will be put on the dialectics between avant-garde poetics and the cultural traditions of the authors, as well as on the multiple readings that their works offer from structuralist and post-structuralist approaches.

Note: Expected to be given in 2001–02. Conducted in Spanish.

[Spanish 90h. Indigenismos]

Catalog Number: 8790

José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

An examination of so-called “indigenista” literature in Latin America, from its very beginnings in the 16th century to the poetry and novels of the 20th century. How were indigenous groups and ethnic nations characterized by the first Spanish colonizers and how have these images been transformed and used as tools for the modernizing nation-building process of the past century?

How have Aztecs, Incas, Mayans and their descendants been re-accommodated into Latin American “imagined communities”? And how have these native peoples managed to undermine



the dominating use of the letter by incorporating their own tonalities and cultural familiarities into the national literatures of their countries? This course will answer such questions through an interdisciplinary analysis of early chronicles and the works of José Carlos Mariátegui, Agustín Villoro, Guillermo Bonfil, Jorge Icaza, José María Arguedas and others.

Note: Expected to be given in 2001–02. Conducted in Spanish.

[Spanish 90j. Lorca, Buñuel, Dalí]

Catalog Number: 0841

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the rise and fall of the avant-garde, and in particular surrealism, in and out of Spain, by focusing on the writings, films, and artworks of three of the most “international” Spanish artists of the 20th century. Special attention paid to questions of gender and sexuality; tradition and revolution; commercialization and experimentation; scandal and conformity; war, memory, and imagination; travel and/or exile (in Mexico, France, and the United States).

Note: Expected to be given in 2002–03. Conducted in Spanish. No prior knowledge of theory required.

***Spanish 91r. Supervised Reading and Research**

Catalog Number: 1586

José Antonio Mazzotti and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Spanish 97. Tutorial—Sophomore Year**

Catalog Number: 2315

Luis Fernández-Cifuentes and members of the Department and Tutorial Board

Half course (spring term). Tu., Th., at 2.

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: Group tutorial. Required of all concentrators in their sophomore year, but open to others. Conducted in Spanish.

***Spanish 98. Tutorial-Junior Year**

Catalog Number: 5511

José Antonio Mazzotti and members of the Department and Tutorial Board.

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one semester of Spanish 98 is required of all honors concentrators in their junior year.

***Spanish 99. Tutorial — Senior Year**

Catalog Number: 5867



José Antonio Mazzotti and members of the Department and Tutorial Board.

Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one semester of Spanish 99 is required of all honors concentrators. To enroll see the Undergraduate Advisor in Spanish.

Spanish 111. Love Lyrics of the Hispanic Tradition

Catalog Number: 3338 Enrollment: Limited to 15.

Mary Gaylord

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Major love poems of the Spanish language from the Middle Ages to the 20th century. Close reading informed by issues such as changing definitions of love, gender roles, social and racial politics, tensions with the claims of honor and war, the metaphysics of love, the language of emotion. Authors include Garcilaso de la Vega, San Juan de la Cruz, Cervantes, Lope de Vega, Góngora, Quevedo, Sor Juana, Bécquer, Machado, Lorca, Salinas, Neruda.

Note: Given in Spanish.

Cross-listed Courses

Literature and Arts C-47. Language, Literature, and Power in the Early Modern Hispanic World (1492–1700)

For Undergraduates and Graduates

Spanish 116. Early Renaissance Spanish Prose on its Way to the Novel

Catalog Number: 8314

Francisco Márquez

Half course (fall term). M., W., at 10. EXAM GROUP: 3

A study of Erasmian prose writers: continuations and imitations of *Celestina*, *La lozana andaluza*, and Fray Antonio de Guevara. Their contribution and experiments with form leading to the advent of the modern novel.

Note: Conducted in Spanish.

Spanish 121. Baroque/Neobaroque

Catalog Number: 7562

Mabel Moraña (University of Pittsburgh)

Half course (fall term). Tu., Th., at 4. EXAM GROUP: 18

The baroque paradigm studied both in its colonial appropriation (Sor Juana I. de la Cruz, J. de Espinosa Medrano, C. de Sigüenza y Góngora) and through contemporary critical and literary elaborations of Neobaroque writings (S. Sarduy, L. Lezama Lima, A. Carpentier). Examination of the aesthetic and ideological significance of this concept, as well as the representation strategies of Baroque/Neobaroque cultural production in connection with problems related to the construction of cultural hegemony, hybridity, and transculturation. History and theory on the baroque studied through the writings of J. A. Maravall, W. Benjamin, G. Deleuze, R. González Echevarría, C. Rincón, and others.

Note: Conducted in Spanish.



[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 2001–02. Conducted in Spanish.

[Spanish 132. Andean Voices, European Writing]

Catalog Number: 1471

José Antonio Mazzotti

Half course (spring term). Hours to be arranged.

Will examine the transformative process of historiographic and literary production within the Andean context during the 16th and 17th centuries. How did the Incas manage to survive and remodel some dominant practices of representation? What cultural paradigms about the Indians were established then and have prevailed until today? The course will answer such questions through multidisciplinary analysis of works by Betanzos, Titu Cussi, Cieza de León, Guaman Poma de Ayala, the Huarochiri Manuscript, Inca Garcilaso de la Vega, and contemporary visual documentaries.

Note: Expected to be given in 2002–03. Conducted in Spanish. Text translations into English are available.

[Spanish 135. Writing Women: Language, Culture, and Difference in 20th-Century Spanish Narrative]

Catalog Number: 1015

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the situations and transformations of contemporary narrative fiction by Spanish women. Issues studied include gender, sexuality, and cultural production; oppression and resistance; war and remembrance; the rights of the individual; literary form and sexual identity; autobiography or self-invention; relations between the family and the state. Authors: Carmen de Burgos, Victor Català, Carmen Laforet, Mercè Rodoreda, Carmen Martín Gaité, Esther Tusquets, Carme Riera, Cristina Fernández Cubas. Theoretical and critical texts, primarily from feminism and cultural studies, are included.

Note: Expected to be given in 2001–02. Conducted in Spanish.

Spanish 161. Latin American Non-Fictional Prose

Catalog Number: 4578

Mabel Moraña (University of Pittsburgh)

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Problems related to the construction and representation of subjectivity, social conflict, and collective identities in Latin America, from the colonial times to the present. Focus on non-fictional prose as a “literary genre,” and the connections between private/public spheres, nationhood/citizenship, identity/otherness, hegemony/subalternity. Reference will be made to testimonial/documentary texts. Includes texts by Sor Juana I. de la Cruz, Simón Bolívar, Simón



Rodriguez, A. Bello, D. F. Sarmiento, J. E. Rodó, J. C. Mariátegui, M. González Prada, A. Cesaire, J. Martí, A. Reyes, O. Paz, R. Castellanos, M. Barnet, G. García Márquez, and J. L. Borges.

Spanish 165. Bilingual Arts

Catalog Number: 3062

Doris Sommer

Half course (spring term). Tu., 7–9 p.m. EXAM GROUP: 18

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: Regular classes alternate with guest lectures and end with a small symposium or conference. Taught by Doris Sommer, in coordination with Prof. Isabell de Courtivron (MIT). Conducted in Spanish and English.

[Spanish 172. Barcelona, fin-de-siècle]

Catalog Number: 4211

Bradley S. Epps

Half course (fall 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 (the first marked by the loss of Spanish colonies and the second by the consolidation of democracy after Franco's dictatorship), we explore national identity and nationalism; bilingualism and biculturalism; and the relations between art and economics, political conformity and resistance. Works by Cerdà, Almirall, Aribau, Verdaquer, Maragall, Rusiñol, Prat de la Riba, d'Ors, Rodoreda, Monzó, Miró, Dalí, Tàpies, Guinovart, Mariscal; Gaudí, Puig i Cadafalch, Domènech i Montaner, Bofill.

Note: Expected to be given in 2001–02. Conducted in Spanish.

[Spanish 180. Ports of Call and Contact: Transatlantic Modernity]

Catalog Number: 4044

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines modernist movement(s) in Spain and Latin America, with special attention to the ties and tensions between languages (Spanish, Catalan, Galician, French, etc.), literatures, and national identities. Writers include: Jose Martí, Rubén Darío, José Enrique Rodó, Julián del Casal, Ramón del Valle Inclán, Víctor Català, Santiago Rusiñol, Joan Maragall, Eugeni d'Ors,



Paul Verlaine, Théophile Gautier, and others.

Note: Expected to be given in 2001–02. Conducted in Spanish.

Spanish 182. Culture and Society in the Caribbean (Caribbean Cultural Studies)

Catalog Number: 5455

Angel Quintero (University of Puerto Rico)

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

The course discusses the relationship between cultural processes and the socio-economic history of the Caribbean, combining the contributions of the various Social Sciences, Humanities, and Arts within the general framework of Historical Sociology. It examines how the study of the Plantation-Counterplantation dialectics with all colonial and “racial” issues implied for class and gender relationships, nurtured some of the most pioneering gateways for Cultural Studies. It will analyze examples in architecture, religious imaginary, popular thought, art, music, dance and literature.

Spanish 186. Tobacco and Sugar

Catalog Number: 1141

Doris Sommer

Half course (fall term). M., 4–6. EXAM GROUP: 9

“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 omitted in 2001–02. Conducted in Spanish.

[Spanish 189. Colonial, Postcolonial]

Catalog Number: 8490

Doris Sommer

Half course (fall term). Hours to be arranged.

Through chronicles, fiction, film and critical theory, we will consider competing constructions of the Americas. Gender, religion, language, and the tensions between public and private spheres will be issues for discussion. Readings will range from versions of the conquest through today’s indigenous and bicultural practices.

Note: Expected to be given in 2001–02. Readings and discussions in both Spanish and English.

Spanish 190. Postmodern Prose in the Southern Cone

Catalog Number: 6651

Mabel Moraña (University of Pittsburgh)

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Examines the characteristics of postmodern fiction and urban chronicles written in Argentina, Uruguay, and Chile in the last two decades, where the topics of exile/collective memory, marginality, gender and urban violence are elaborated as part of the post-dictatorship imaginary. Texts analyzed in connection to the debate on Latin American postmodernism include: *Estado de memoria* by Tunuma Mercado, *Plata quemada* by Ricardo Piglia, *Pasos bajo el agua* by Alicia



Kozameh, *Vaca Sagrada* and *Lumpérica* by Diamela Eltit, *La esquina es mi corazón (Crónica urbana)* and *Loco Afán. Crónicas del sidario* by Pedro Lemebel, *Solitario de amor* by Cristina Peri Rossi, *Vida de Perro* and *Estado sólido* by Rafael Courtoisie.

Note: Conducted in Spanish.

Spanish 192. Music, Nation, and Migration (with Special emphasis on the Caribbean Experience)

Catalog Number: 2389

Angel Quintero (University of Puerto Rico)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The course focuses on how musical analysis can help us study and understand one of the most salient issues of the contemporary World Scene—the complex relationship between Nation and Migration. With special emphasis on the Caribbean experience, it will examine both historical and contemporary processes “immigration” (including slave trade) in the contradictory formation of “National” musical expressions, and emigration to the colonial Metropolis and the development of supranational “minority” music of World recognition like salsa or reggae. It will introduce students also to issues of theory and methodology of musical analysis for Cultural Studies.

[Spanish 194. Latino Cultures]

Catalog Number: 2888

Doris Sommer

Half course (spring term). Hours to be arranged.

Inside two languages and cultures, Hispanics in the United States stretch border demarcations into a culturally productive space. To demands for English or Spanish only, they may answer with assertions of hybrid identities or irony about simple belonging. What is particular and culturally constitutive, about Latino writing, music, visual arts? What are the conflicts and collaborations along gender and national lines? History, anthropology and sociology will help to answer these questions and generally what “minority” cultures may mean in a country made up largely of immigrants—voluntary and forced—who often identify with particular ethnic groups.

Note: Expected to be given in 2001–02. Conducted in English. Coordinated with “Latino Cultural Psychologies” at the School of Education by Professor Marcelo Suárez Orozco.

Cross-listed Courses

[Comparative Literature 111. From Type to Self in the Middle Ages]

Comparative Literature 112. Religion and Literature in the Middle Ages

[Women’s Studies 134. Women’s Writing and Film in Latin America and the Caribbean]

Primarily for Graduates

Spanish 201. The History of the Spanish Language

Catalog Number: 5610

Francisco Márquez

Half course (fall term). W., at 2, M., 2–4. EXAM GROUP: 7, 8

A general survey of the development of the Spanish language from Latin to the present.



Interdisciplinary approach.
Note: Conducted in Spanish.

[Spanish 243. Foundational Fiction and Film]

Catalog Number: 3129

Doris Sommer

Half course (fall term). Hours to be arranged.

As moderns we may assume that national identity is as natural as gender identity. Explores the analogy and the mutual implications of nation and sexuality through selected “national romances,” and theoretical speculations by Benedict Anderson, Foucault, Lukács, de Man, and Benjamin, among others. Our analysis will include the ways these novels have shaped the national imaginary for generations: through film, telenovels, and opera.

Note: Expected to be given in 2001–02. Conducted in Spanish.

Spanish 266. Cultural Criticism in Latin America

Catalog Number: 6305

Mabel Moraña (University of Pittsburgh)

Half course (spring term). Th., 4–6. EXAM GROUP: 18

The writings of some of the most prominent contemporary cultural critics, including Beatriz Sarlo, Nelly Richard, José Joaquín Brunner, Martín Hopenhayn, Jesús Martín Barbero, Néstor García Canclini, Angel Rama, Carlos Monsiváis. Topics include: the connections between “high” and popular culture, the changing role of intellectuals in the public sphere, the modernity/postmodernity debate, the impact of mass media on cultural production, the interpretation of urban dynamics and the emergence of “new” social actors, the place of history, aesthetics, and politics, in most recent cultural articulations. Analysis of journals such as *Punto de Vista* (Argentina) and *Revista de Crítica Cultural* (Chile).

Note: Conducted in Spanish.

Spanish 268. Telling Limits in American Ethnic Literatures

Catalog Number: 0612

Doris Sommer

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Some texts resist “competent” readers with barriers that more reading will not overcome. Anglo as well as Latin Americans (Morrison, Menchú, Garcilaso, Rodríguez, 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 omitted in 2001–02. Conducted in English.

Spanish 282r. Spanish Literature: Seminar

Catalog Number: 8622

Mary Gaylord

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

Topic for 2000-01: Early Modern Poets Between Epic and Lyric. Studies major long poems of 16th- and 17th-century Spain as creative responses to the conflicting demands of two fundamentally different conceptions of poetry and of poets. Close readings of texts by Garcilaso de la Vega, Fernando de Herrera, Alonso de Ercilla, Luis de Góngora, their classical and



Renaissance antecedents, and contemporary poetics.

Note: Conducted in Spanish.

Spanish 285ar. Spanish Literature: Seminar

Catalog Number: 4099

Luis Fernández-Cifuentes

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2000-01: Bodies and Spaces in Spanish Poetry, from Bécquer to *Nueve Novísimos*.

One hundred years of Spanish poetry—Bécquer, Rosalía de Castro, Darío, Unamuno, Machado, Jiménez, Generation of '27, the 1950s, the “novísimos” in the context of European poetic movements and alongside developments in critical methodologies. Special focus on changing notions and priorities of space in connection with different perceptions and representations of the body.

Note: Conducted in Spanish.

Spanish 286r. Spanish Literature: Seminar

Catalog Number: 6920

Luis M. Girón Negrón

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2000-01: Autobiography in pre-modern Spain. It has been argued that the poetic “I” in medieval writing is not a literary vehicle for individual self-representation, but only an archetype of the human. Seminar examines this thesis against rise of autobiographical writing and pre-modern adumbrations of the novel in medieval Spanish literature through the 16th century.

Readings from Alfonso X, Jaime 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.

[Spanish 287r. Spanish Literature: Seminar]

Catalog Number: 4779

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Topic for 2000-01: Early 20th-Century Narrative in Spain. Studies the crisis, depletion, and refashioning of narrative after the heyday of realism and naturalism and before the consolidation of Francoism. Writers may include: Unamuno, Baroja, Azorín, Gutierrez Solana, Carmen de Burgos, Concha Espina, Valle-Inclán, Prudenci Bertrana, Sagarra, Soldevila, Pérez de Ayala, Gómez de la Serna, Gabriel Miró, Felipe Trigo, Josep Pla, Rosa Chacel, Francisco Ayala.

Note: Expected to be given in 2001–02. Conducted in Spanish.

Spanish 295r. Spanish-American Literature: Seminar

Catalog Number: 1310

José Antonio Mazzotti

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Topic for 2000-01: Chronicles of the New World. A close reading of works by Hernán Cortés, Bernal Díaz del Castillo, Bartolomé de las Casas, López de Gómora, Cabeza de Vaca, and others who used history as a means for the symbolic appropriation of the New World during the 16th century. This course will set forth the importance of such works in the formation of a colonial



imagery and its persistence through post-colonial times.

Note: Conducted in Spanish.

Cross-Listed Courses

[*Comparative Literature 210. Comparative Themes in the Literatures of Medieval Spain: Seminar]

***Comparative Literature 211. Mysticism and Literature: Seminar**

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Spanish 320. Spanish and Hispanic-American Literature: Supervised Reading and Research**

Catalog Number: 5764

Joaquim-Francisco Coelho 7715 (on leave spring term), Bradley S. Epps 2880 (on leave fall term), Luis Fernández-Cifuentes 2091, Mary Gaylord 2632, Luis M. Girón Negrón 3060, Francisco Márquez 5064, José Antonio Mazzotti 3083 (on leave spring term), and Doris Sommer 2744

***Spanish 330. Direction of Doctoral Dissertations**

Catalog Number: 2143

Joaquim-Francisco Coelho 7715 (on leave spring term), Bradley S. Epps 2880 (on leave fall term), Luis Fernández-Cifuentes 2091, Mary Gaylord 2632, Luis M. Girón Negrón 3060, Francisco Márquez 5064, José Antonio Mazzotti 3083 (on leave spring term), and Doris Sommer 2744

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 and Director of the Davis Center for Russian Studies (*Chair*)

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature

Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*on leave spring term*)



Patricia R. Chaput, Professor of the Practice of Slavic Languages
Grzegorz Ekiert, Professor of Government (*on leave spring term*)
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology
George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature
Yoshiko M. Herrera, Assistant Professor of Government
Eric Lohr, Assistant Professor of History
John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures
Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences (*on leave fall term*)
Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
William Mills Todd III, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave spring term*)
Martin L. Weitzman, Ernest E. Monrad Professor of Economics

Other Faculty Offering Instruction in Regional Studies— Russia, Eastern Europe, and Central Asia

Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature
Sue Brown, Associate Professor of Slavic Languages and Literatures (*on leave fall term*)
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology
Janos Kornai, Allie S. Freed Professor of Economics (*fall term*)
Jeffrey D. Sachs, Galen L. Stone Professor of International Trade
Stephanie Sandler, Visiting Professor of Slavic Languages and Literatures, Professor of Slavic Languages and Literatures
Andrei Shleifer, Professor of Economics
Justin Weir, Assistant Professor of Slavic Languages and Literatures

This is a two-year interdisciplinary program leading to the A.M. degree. For details, see the supplement, "A.M. in Regional Studies—Russia, Eastern Europe, and Central Asia." The program aims to provide students with a firm grounding in the history, culture, language, politics, and economics of Russia, and of other countries of the former Soviet Union and Eastern Europe. Graduates typically enter careers in government service, international trade or finance, journalism, or consulting; some pursue further training in international law or for the academic professions. Brochures describing the program and requirements may be obtained from the Davis Center for Russian Studies — 1737 Cambridge Street, Cambridge, MA, 02138.

The course of studies takes into account the previous background, as well as the professional needs and interests, of the individual student. In addition to offerings by the Faculty of Arts and Sciences, students may cross-register for courses at other schools of Harvard University, and at MIT and the Fletcher School of Law and Diplomacy. Faculty may offer specialized seminars specifically for program students. Students who have completed basic program requirements may seek permission for individual research under faculty direction. Arrangements may be made for students interested in fields not usually represented in course offerings.

A list of courses fulfilling basic program requirements in 1999-2000:

Economics 1530, 2300a, 2300b, 2530d.



Government 1102, 1115, 1203, 1243, 1246, 1727, 2213, 2784, 2886.

History 1353, 1355, 1356, 1357, 1358, 1502, 1515, 1531, 1532, 1533, 1534, 1536, 2353, 2511, 2531.

Islamic Civilizations 124.

Russian and other Slavic languages: see Slavic Languages and Literatures listings.

Languages of Central Asia and the Caucasus: see Near Eastern Languages and Civilizations.

Armenian, Turkish: see appropriate departmental listings.

For full course listings and availability, consult 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*) (*on leave spring term*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture (*on leave 2000-01*)

Amy Bard, Preceptor in Urdu-Hindi

Diana L. Eck, Professor of Comparative Religion and Indian Studies

Rena Fonseca, Lecturer on Sanskrit and Indian Studies

Charles Hallisey, John L. Loeb Associate Professor of the Humanities (*on leave 2000-01*)

Stephanie W. Jamison, Gardner Cowles Associate Professor of Sanskrit and Indian Studies
(*Head Tutor and Director of Graduate Studies*)

P. Oktor Skjaervo, Aga Khan Professor of Iranian (*on leave spring term*)

Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology

Michael Witzel, Wales Professor of Sanskrit

Other Faculty Offering Instruction in the Department of Sanskrit and Indian Studies

John B. Carman, Parkman Professor of Divinity and Professor of Comparative Religion (*Divinity School*)

Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art (*on leave fall term*)

William A. Graham, Jr., Professor of the History of Religion and Islamic Studies and Murray A. Albertson Professor of Middle Eastern Studies

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology

Richard H. Meadow, Senior Lecturer on Anthropology (*on leave spring term*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature (*on leave spring term*)

Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics

Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies (*on leave spring term*)

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

Indian Studies

Primarily for Undergraduates



***Indian Studies 91r. Supervised Reading and Research**

Catalog Number: 0247

Stephanie W. Jamison and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a long term paper in a topic or topics not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

***Indian Studies 98r (formerly Indian Studies 98a). Tutorial — Junior Year**

Catalog Number: 4757

Stephanie W. Jamison and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the Indian Studies option.

***Indian Studies 99. Tutorial — Senior Year**

Catalog Number: 6111

Stephanie W. Jamison and members of the Department

Full course. Hours to be arranged.

Note: Required of concentrators in the Indian Studies option.

Cross-Listed Courses

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

For Undergraduates and Graduates

[Indian Studies 111. Literary Cultures of India: An Introduction to the Study of South Asia]

Catalog Number: 5599

Charles Hallisey

Half course (fall term). Hours to be arranged.

An introduction to the study of South Asia through its literary institutions, authors, and texts. Focusing on classic texts from both the pre-modern and modern periods, the class will examine the place of literature in South Asian cultures, and especially in the religious and political life of India. A major theme of the course will be the interaction of cosmopolitan literatures written in languages like Sanskrit, Persian, and English, and those literatures written in regional languages like Hindi, Bengali, and Tamil.

Note: Expected to be given in 2001–02. Given in alternate years. All readings are in English translation.

Indian Studies 112. Major Themes in Modern Indian History

Catalog Number: 6068

Rena Fonseca

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

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.

Indian Studies 113. Contributions by Indic Traditions to World Civilizations

Catalog Number: 7408

Arvind Sharma

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

A critical evaluation of the influence which Indic traditions, especially Buddhism, may have exerted on other world civilizations, such as the Greek, South-east Asian, East Asian, Islamic, and European.

Indian Studies 114. Interpretations of Common Conceptions About Indic Traditions

Catalog Number: 1036

Arvind Sharma

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An exploration of some common conceptions which figure prominently in the presentation of Indic traditions, such as their characterization as “spiritual”, “tolerant”, “inegalitarian”, and so forth.

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: Seminar]

[Religion 1600. An Introduction to Hinduism]

[Religion 1614. The Bhagavad Gita]

[Religion 1615r. Philosophies of India]

Religion 1700. Introduction to Buddhism

[Religion 1720. Buddhist Ethics: Proseminar]

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 2001–02.

Indian Studies 203. Select Topics: Survey of Middle Indic Languages and Literatures

Catalog Number: 3570



Stephanie W. Jamison

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

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 2001–02.

[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 2001–02.

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

Catalog Number: 0923

Michael Witzel

Half course (spring term). Hours to be arranged.

An analysis of selected Old Indian (Rgvedic, Brahmana, Epic, Puranic) cosmogonic myths which are contrasted with comparable ones from other Indo-European and Asian traditions. The character and the position in the respective mythological system of the several myths treated are investigated, as well as possible interpretations and an emerging framework for their form, structure, and transmission in (pre-) historical times.

Note: Expected to be given in 2001–02. 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.



Indian Studies 207b. Understanding Indian Ritual

Catalog Number: 8416

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Indian Studies 207a.

[Indian Studies 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 *śrauta* and domestic rituals (rites of passage), and the transcendental philosophy of the Upanisads. Stresses the coherent *Weltanschauung* underlying all aspects of Vedic thought.

Note: Expected to be given in 2001–02. Knowledge of Sanskrit not required.

[*Indian Studies 216 (formerly Indian Studies 102). Early History of South Asia: Seminar]

Catalog Number: 4919

Michael Witzel and Richard H. Meadow

Half course (fall term). Hours to be arranged.

Examines the archaeological and literary sources available for the understanding of the early period of Indian history, until ca. 150 B.C.E. Gives a synopsis of evidence relating to the Indus culture (2300–1900). The early Sanskrit and Pali literatures are scrutinized for the clues relating to history, state, and society of Northern India. The course takes into account recent discussions on rewriting early South Asian history from a nationalistic point of view.

Note: Expected to be given in 2001–02. Undergraduates are encouraged to apply for participation.

Cross-listed Courses

***Comparative Literature 207. Theory and Methods in Comparative Oral Traditions: Seminar**

[East Asian Buddhist Studies 206. Hua-yen: The Formation of a Chinese School of Buddhism]

[Iranian A. Old Persian]

[Iranian B. Introduction to Avestan]

Linguistics 220ar. Advanced Indo-European

Persian 140ar. Selected Readings in Classical Persian Literature

[*Religion 1585. Islam in South Asia: Seminar]

Graduate Courses of Reading and Research

***Indian Studies 302. Reading and Research**

Catalog Number: 1405

Ali S. Asani 7739 (on leave 2000-01), Diana L. Eck 4514, Stephanie W. Jamison 1657, and Michael Witzel 1602



***South Asian Buddhist Studies 303 (formerly *Buddhist Studies 303). Reading and Research**

Catalog Number: 3517

Charles Hallisey 3032 (on leave 2000-01) and Leonard W. J. van der Kuijp 1556 (on leave spring term)

Sanskrit

Primarily for Undergraduates

***Sanskrit 91r. Supervised Reading and Research**

Catalog Number: 5497

Stephanie W. Jamison and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading of texts in Sanskrit not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

***Sanskrit 98r (formerly Sanskrit 98ar). Tutorial — Junior Year**

Catalog Number: 3117

Stephanie W. Jamison and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the Sanskrit Language and Literature option.

For Undergraduates and Graduates

Sanskrit 101a. Elementary Sanskrit

Catalog Number: 8140

Stephanie W. Jamison

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Sanskrit 101b. Elementary Sanskrit

Catalog Number: 6892

Stephanie W. Jamison

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Sanskrit 101a.

Sanskrit 102a. Intermediate Sanskrit I

Catalog Number: 4843

Stephanie W. Jamison

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Selected readings in verse and prose, drawn primarily from the Epics (Mahabharata and Ramayana) and the Upanisads.

Sanskrit 102b. Intermediate Sanskrit II

Catalog Number: 4916

Stephanie W. Jamison



Half course (spring term). M., W., F., at 12. EXAM GROUP: 5
Continuation of Sanskrit 102a.

Primarily for Graduates

[Sanskrit 200ar (formerly Sanskrit 200r). Advanced Poetic Sanskrit]

Catalog Number: 3658

Michael Witzel

Half course (fall term). Hours to be arranged.

Texts by Kashmiri authors.

Note: Expected to be given in 2001–02.

Sanskrit 200br (formerly Sanskrit 200r). Advanced Poetic Sanskrit

Catalog Number: 6510

Stephanie W. Jamison

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

[Sanskrit 201ar (formerly Sanskrit 201r). Philosophical Sanskrit]

Catalog Number: 5965

Stephanie W. Jamison

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02. Prerequisite for Sanskrit 201br, Upanisads.

[Sanskrit 202r (formerly Sanskrit 202ar). Paninian Grammar]

Catalog Number: 6605

Michael Witzel and assistant

Half course (spring term). Hours to be arranged.

Introduction to descriptive and generative methods of Panini's system of Sanskrit grammar.

Note: Expected to be given in 2001–02. Given in alternate years.

[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 Samhitās, Brāhmanas, Āranyakas and Upanisads. Builds on knowledge of elementary Sanskrit or Old Iranian.

Note: Expected to be given in 2001–02.

[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 2001–02.



[Sanskrit 206r (formerly Sanskrit 206ar). Rgveda]

Catalog Number: 5045

Half course (spring term). Hours to be arranged.

The Rgveda, the oldest Indian text, is composed in archaic (Vedic) Sanskrit which is closely related to the language of the Zoroastrian hymns. Builds on previous knowledge of Vedic grammar, Vedic prose or Mantra texts, or on a comparable background in Old Iranian or Indo-European.

Note: Expected to be given in 2001–02.

[Sanskrit 207a (formerly Sanskrit 207). Advanced Mantra Texts]

Catalog Number: 6951

Michael Witzel

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[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 2001–02.

Sanskrit 208r. Buddhist Hybrid Sanskrit

Catalog Number: 3997

Leonard W. J. van der Kuijp

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

Selected readings in Buddhist Sanskrit narrative literature, with an emphasis on introducing varying degrees of “hybridity” in the language.

Prerequisite: Two years of Sanskrit.

Sanskrit 214. Ritual Sutras

Catalog Number: 6626

Michael Witzel

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and discussion of Sutras and Paddhatis. Selection for 2000-01: Agnihotra, Homa and Puja texts from the Vedas, Puranas, Tantras.

[Sanskrit 215. Dharmasastra and Arthasastra]

Catalog Number: 6599

Stephanie W. Jamison

Half course (fall term). Hours to be arranged.

Readings in legal and political texts.

Note: Expected to be given in 2001–02.

Graduate Courses of Reading and Research



***Sanskrit 301. Reading and Research**

Catalog Number: 2158

Diana L. Eck 4514, Charles Hallisey 3032 (on leave 2000-01), Stephanie W. Jamison 1657, P. Oktor Skjaervo 2869 (on leave spring term), and Michael Witzel 1602

***Sanskrit 310. Direction of Doctoral Dissertations**

Catalog Number: 4371

Diana L. Eck 4514, Charles Hallisey 3032 (on leave 2000-01), Stephanie W. Jamison 1657, P. Oktor Skjaervo 2869 (on leave spring term), and Michael Witzel 1602

Pali

For Undergraduates and Graduates

[Pali 101a. Introductory Pali]

Catalog Number: 4129

Charles Hallisey

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02. Given in alternate years.

Prerequisite: One year of Sanskrit.

[Pali 101b. Introductory Pali]

Catalog Number: 7320

Charles Hallisey

Half course (spring term). Hours to be arranged.

Continuation of Pali 101a.

Note: Expected to be given in 2001–02. Given in alternate years.

Prerequisite: One year of Sanskrit.

[Pali 102a. Intermediate Pali]

Catalog Number: 8376

Charles Hallisey

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

[*Pali 102b. Intermediate Pali]

Catalog Number: 7748

Charles Hallisey

Half course (spring term). Hours to be arranged.

Continuation of Pali 102a.

Note: Expected to be given in 2001–02.

Prerequisite: Pali 102a or equivalent.

[Pali 103r. Readings in Pali]

Catalog Number: 6985

Charles Hallisey



Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Graduate Courses of Reading and Research

[*Pali 300. Reading and Research]

Catalog Number: 5391

Charles Hallisey 3032 (on leave 2000-01)

Note: Expected to be given in 2001–02.

Nepali

For Undergraduates and Graduates

[Nepali 101. Introductory Nepali]

Catalog Number: 3039

Michael Witzel and assistant

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2001–02.

Urdu and Hindi

For Undergraduates and Graduates

Urdu 101. Introductory Urdu-Hindi

Catalog Number: 4078 Enrollment: Limited to 15.

Stephanie W. Jamison and assistant

Full course (indivisible). M., T., W., Th., (F.), at 3. EXAM GROUP: 8, 17

An introduction to the lingua franca of the subcontinent in its “Hindustani” form. Students are introduced to both the Perso-Arabic and the Devanagari script systems. Conventional teaching materials are supplemented by popular songs and clips from contemporary Indian cinema.

Note: Not open to auditors.

Urdu 102. Intermediate Urdu-Hindi

Catalog Number: 2941 Enrollment: Limited to 15.

Amy Bard

Full course (indivisible). M., W., F., at 4. EXAM GROUP: 9

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 103r. Readings in Urdu-Hindi

Catalog Number: 4815

Stephanie W. Jamison and assistant



Half course (fall term; repeated spring term). Tu., Th., at 4. EXAM GROUP: 18

A course for advanced students with readings in Urdu and/or Hindi prose and poetry.

Prerequisite: Urdu 102 or equivalent.

[Urdu 104. The Classical Urdu Ghazal and Its Symbolism]

Catalog Number: 0927

Ali S. Asani and assistant

Half course (spring term). Hours to be arranged.

A survey of the popular literary genre including selections from poets such as Wali Dakkani, Siraj Aurangabadi, Mir Dard, Haidar Ali Atish, Mirza Ghalib and others. Special attention to religious and mystical symbolism.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

Prerequisite: Urdu 102 or equivalent.

Graduate Courses of Reading and Research

[*Urdu 300. Reading and Research]

Catalog Number: 2131

Ali S. Asani 7739 (on leave 2000-01)

Note: Expected to be given in 2001–02.

Tibetan and Himalayan Studies

For Undergraduates and Graduates

Tibetan 101a (formerly Tibetan 122). Elementary Classical Tibetan

Catalog Number: 4132

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Note: This is a prerequisite for Tibetan 102 and 103.

Tibetan 101b (formerly Tibetan 132). Intermediate Classical Tibetan

Catalog Number: 5299

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Note: This is a prerequisite for Tibetan 102 and 103.

[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 2001–02.

Prerequisite: Tibetan 101a and 101b.

Tibetan 104a (formerly Tibetan 123). Elementary Colloquial Tibetan

Catalog Number: 4158



Leonard W. J. van der Kuijp and assistant
Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Tibetan 104br (formerly Tibetan 104b). Elementary Colloquial Tibetan

Catalog Number: 7026
Leonard W. J. van der Kuijp and assistant
Half course (spring term). M., W., F., at 12. EXAM GROUP: 5
Continuation of Tibetan 104a.

[Tibetan 105a (formerly Tibetan 124). Advanced 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 2001–02.

[Tibetan 105b (formerly Tibetan 134). Advanced 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 2001–02.

[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 2001–02. All readings are in English translation.

Primarily for Graduates

Tibetan 200a. Classical Poetic Tibetan

Catalog Number: 7360
Leonard W. J. van der Kuijp
Half course (fall term). Hours to be arranged.
Readings in Tibetan texts on poetic theory based on Indian models, together with illustrations of a number of poetic figures. The main text will be the Tibetan translation of the Kavyadarsa and passages from Tibetan commentaries.

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.

[Tibetan 202. Readings in Advanced Philosophical Tibetan]

Catalog Number: 7601



Half course (spring term). Hours to be arranged.

Selected topics from the ninth chapter of several Tibetan Bodhicaryavatara commentaries.

Note: Expected to be given in 2001–02.

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.

[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 2001–02.

[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 2001–02.

[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 2001–02.

[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 2001–02.

[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 2001–02.



[*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 2001–02.

[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 2001–02.

Tibetan 213. History of the mDo-bo che-ba bKa'brgyud-pa

Catalog Number: 1183

Franz-Karl Ehrhard

Half course (spring term). Hours to be arranged.

Prerequisite: Reading knowledge of Tibetan.

Tibetan 214. Bo-dong-pa master Chos-dbang rgal-mtshan

Catalog Number: 0891

Franz-Karl Ehrhard

Half course (spring term). Hours to be arranged.

Prerequisite: Reading knowledge of Tibetan.

Graduate Courses of Reading and Research

***Tibetan 300. Reading and Research**

Catalog Number: 0666

Leonard W. J. van der Kuijp 1556 (on leave spring term)

***Tibetan 302. Direction of A.M. Theses**

Catalog Number: 6927

Leonard W. J. van der Kuijp 1556 (on leave spring term)

***Tibetan 305. Tibetan and Himalayan Studies — Reading and Research**

Catalog Number: 4377

Leonard W. J. van der Kuijp 1556 (on leave spring term)

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., 5–6:30. EXAM GROUP: 18
Note: Given in alternate years.

[Thai 102a. Intermediate Thai I]

Catalog Number: 8582
Michael Witzel and assistant
Half course (fall term). Hours to be arranged.
Note: Expected to be given in 2001–02.

[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 2001–02.

[Thai 103r (formerly Thai 103ar). Readings in Thai]

Catalog Number: 4134
Michael Witzel and assistant
Half course (fall term). Hours to be arranged.
Note: Expected to be given in 2001–02.

Graduate Courses of Reading and Research

***Thai 300. Reading and Research**

Catalog Number: 5368
Michael Witzel 1602 and assistant

Slavic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Slavic Languages and Literatures



Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*Chair*)
 Alexander Babyonyshev, Preceptor in Slavic Languages and Literatures
 Anna Baranczak, Preceptor in Slavic Languages and Literatures
 Stanislaw Baranczak, Alfred Jurzykowski Professor of Polish Language and Literature (*on leave 2001-2002*)
 Svetlana Boym, Professor of Slavic Languages and Literatures and of Comparative Literature (*Director of Graduate Studies*)
 Sue Brown, Associate Professor of Slavic Languages and Literatures (*Director of Undergraduate Studies (spring term) (on leave fall term)*)
 Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*Director of Undergraduate Studies (fall term) (on leave spring term)*)
 Patricia R. Chaput, Professor of the Practice of Slavic Languages (*Director of the Language Program*)
 Ellen Elias-Bursac, Preceptor in Slavic Languages and Literatures
 Vladimir Y. Gitin, Senior Preceptor in Slavic Languages and Literatures
 George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature
 John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures
 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
 Stephanie Sandler, Visiting Professor of Slavic Languages and Literatures, Professor of Slavic Languages and Literatures
 Alfred Thomas, John L. Loeb Associate Professor of the Humanities (*on leave fall term*)
 William Mills Todd III, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave spring term*)
 Justin Weir, Assistant Professor of Slavic Languages and Literatures

Other Faculty Offering Instruction in the Department of Slavic Languages and Literatures

Jurij Striedter, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature, Emeritus

Language Courses

For Undergraduates and Graduates

Sectioning Note: Sectioning in multisectioned language courses is determined by attendance in class during the first week and through subsequent adjustments to maintain uniform section size. There is no separate sectioning meeting for language courses. Beginning on the first day of class, sections fill on a first-come basis, so that some sections may close on the first day. Students should attend the section of their choice and must continue to attend throughout the first week (or make special arrangements) to retain their places in sections. Students who miss classes may enter only those sections where space is available. Please note that under-enrolled sections may be canceled or rescheduled. No section times are guaranteed. As a general rule, no auditors are permitted in language courses. If fellowship terms or other circumstances prohibit registration, students must speak with the Director of the Language Program to request permission to audit.



Language courses may not be taken Pass/Fail. Some courses permit graduate students to register on a Pass/Fail basis, but only by permission of the instructor.

Slavic A. Beginning Russian

Catalog Number: 8014

Patricia R. Chaput (fall term), Natalia Reed (spring term) 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: 1

Introduction to the essentials of the Russian language, designed for students without previous knowledge of Russian. Intensive speaking practice in grammar structures using naturally occurring conversational patterns. Introduction to the speech etiquette of social exchanges. Reading and discussion of stories, biography, and poetry.

Note: See sectioning note above.

Slavic Aab. Beginning Russian (Intensive)

Catalog Number: 4441

Alfia A. Rakova (fall term) and Patricia R. Chaput and assistant (spring term)

Full course (fall term; repeated spring term). Meets eight hours per week: Section Meeting Times: M. through F., at 9; and Speaking Practice: M., W., F., at 10 or 1. EXAM GROUP: 2

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

Patricia R. Chaput and others

Half course (fall term). M., W., F., at 10, with an additional hour Tu., at 10 or 11. EXAM GROUP: 3

For students who would benefit from additional work on grammar before continuing on to more advanced courses. Oral and written exercises focus on speaking and writing accurately and on developing confidence with vocabulary.

Note: See sectioning note above.

Prerequisite: One or more years of college-level Russian or equivalent and consultation with the instructor.

Slavic B. Intermediate Russian

Catalog Number: 3262

Vladimir Y. Gitin and others

Full course. M., W., F., at 10, with two additional hours of speaking practice: Tu., Th., at 10 or 11. EXAM GROUP: 1

Major emphasis on the development of vocabulary and oral expression with continuing work on difficult grammar topics. Vocabulary thematically organized to include such topics as self and family, education, work, human relationships, politics, and national attitudes. Includes practice in the etiquette of common social situations. Vocabulary reinforced through film and the reading of classical and contemporary fiction and history. Computer exercises on selected topics.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level. Familiarity with



fundamentals of Russian grammar, particularly case endings of the noun, pronoun, and adjective. One year's practice in spoken Russian.

Slavic Ba. Intermediate Russian: First Semester

Catalog Number: 0638

Vladimir Y. Gitin 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

Vladimir Y. Gitin and others

Full course (fall term; repeated spring term). Meets eight hours per week. M., through F., at 9, with three additional hours of speaking practice M., W., F., at 11. . EXAM GROUP: Fall: 2, 11; Spring: 2

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 assistant

Half course (fall term). M., W., F., at 10, and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

An introductory course in modern Czech for students with no previous knowledge of the language. Emphasis on the development of oral proficiency as well as on reading and listening comprehension skills. Written work for practice and reinforcement. Reading of simple poetry and prose.

Slavic Cb. Beginning Czech II

Catalog Number: 7117

Alfred Thomas and assistant

Half course (spring term). M., W., F., at 10, 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 Hašek, Capek, Havel, and Kundera.

***Slavic Cr. Supervised Readings in Intermediate/Advanced Czech**

Catalog Number: 0847

Patricia R. Chaput and assistant

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 2
Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial based



on student course proposals.

Note: Interested students should contact Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Slavic Da. Beginning Polish I

Catalog Number: 8158

Anna Baranczak

Half course (fall term). M., W., F., at 9, 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 Dc. Intermediate Polish

Catalog Number: 8994

Anna Baranczak

Half course (fall term). M., W., F., at 10.

For students with an elementary knowledge of Polish. Emphasis on further development of reading, writing, and oral skills, with a systematic review of grammar. Readings to be selected according to student interest.

***Slavic Dr. Supervised Readings in Intermediate/Advanced Polish**

Catalog Number: 1096

Patricia R. Chaput and assistant

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: Interested students should contact Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Slavic Ea. Beginning Croatian and Serbian I

Catalog Number: 3163

Ellen Elias-Bursac

Half course (fall term). M., W., F., at 10, 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 11, and an additional hour for speaking practice to be arranged. EXAM GROUP: 4

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

Patricia R. Chaput and assistant

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: Interested students should contact Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Slavic Ga. Beginning Ukrainian I

Catalog Number: 5536

Patricia R. Chaput and assistant

Half course (fall term). M., W., F., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Introduction to the fundamentals of Ukrainian designed for students with no previous knowledge of the language. Emphasis on oral practice of essential grammar structures in naturally occurring conversational patterns. Reading and discussion of simple prose and/or poetry. Writing for practice and reinforcement.

Slavic Gb. Beginning Ukrainian II

Catalog Number: 7126

Patricia R. Chaput and assistant

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

Patricia R. Chaput and assistant

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: Interested students should contact Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Slavic 101. Advanced Intermediate Russian: Reading, Grammar Review, and Conversation

Catalog Number: 7234

Alfia A. Rakova

Half course (fall term; repeated spring term). Fall: M., W., F., at 11, with two additional hours of speaking practice Tu., Th., at 10, 11, or 1; Spring: M., W., F., at 9, with two additional hours of speaking practice Tu., Th., at 1. EXAM GROUP: Fall: 4; 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 1, and a fourth hour to be arranged. EXAM GROUP: 6

Introduction to the language of Russian newspapers, journals, historical writing, and TV programming. Basic vocabulary for areas of current interest, including politics, history, economics, political philosophy, and popular culture. Intended for students who desire a professional level of reading proficiency in the topic areas listed. Supplementary work on oral comprehension. One hour per week devoted to discussion of television and reading.

Note: See sectioning note above. Conducted largely in English.

Prerequisite: Slavic 101, 103, 104, or Slavic B, Bb, or Bab with permission of instructor.

Slavic 103. Advanced Russian: Reading, Composition, and Conversation

Catalog Number: 8638

Natalia Pokrovsky

Half course (fall term; repeated spring term). Fall: M., W., F., at 11, with two additional hours of speaking practice Tu., Th., at 1. Spring: M., W., F., at 11, with two additional hours of speaking practice Tu., Th., at 10 or 11. EXAM GROUP: 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). M., W., F., at 1, with two additional hours of speaking practice to be arranged. EXAM GROUP: 6



Work on vocabulary, reading, and writing with continued emphasis on verbs. Through literature, non-fiction, and film, this course explores and seeks to identify Russian cultural attitudes. Topics include explorations of attitudes toward the individual in society, gender roles, prestige and success, truth and falsehood, and justice and the law.

Note: See sectioning note above.

Prerequisite: Slavic 103, 113 or permission of instructor.

Slavic 109. Theater Workshop

Catalog Number: 1221

Patricia R. 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

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

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 116. Stylistics

Catalog Number: 3480

Vladimir Y. Gitin

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

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.

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 2001–02. See sectioning note above.

Prerequisite: Slavic 121.

***Slavic 119. Contemporary Issues: Nationalities of the Former Soviet Union**

Catalog Number: 0636

Alexander Babyonyshev

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

The former Soviet Union as a multinational state, seen in its historical development and in the light of recent events. Questions of national identity and their political and academic consequences. Introduction to related demographic issues. Reading, discussion, composition, and supplementary written work, as needed.

Note: See sectioning note above.

Prerequisite: Slavic 102 and 103 or Slavic 111a, 111b, 112, or 120.

***Slavic 120r (formerly Slavic 120). Supervised Readings in Advanced Russian**

Catalog Number: 7121

Patricia R. Chaput and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

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 Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Prerequisite: Slavic 102, and additional course at the level of Slavic 101 or above, or Slavic 111, 112, 113 or permission of instructor.

[Slavic 121. Advanced Russian: Reading Literary Texts]

Catalog Number: 4812

Half course (spring term). Hours to be arranged.

A course designed to further develop students' sensitivity to the reading of literary texts. Topics to include the nature of lexical meaning including both denotation and meaning associations, syntactic meaning, aspects of morphology, word order and intonation, and colloquial language. Texts will include both prose and poetry.

Note: Expected to be given in 2001–02. Intended primarily for graduate students in the Slavic Department. See sectioning note above.

Prerequisite: Slavic 103 or placement at this level or above.

Slavic 122. Advanced Russian: Introduction to Academic Writing

Catalog Number: 4540

Vladimir Y. Gitin

Half course (fall term). Hours to be arranged.

Workshop in academic writing and lecturing for students who expect to be making written and oral presentations in Russian on academic topics. Consideration of traditions and conventions in academic writing in Russian and English, and in cross-cultural presentation. Students will rewrite existing course papers, create abstracts, and prepare topics in Russian literature and culture for both written and oral presentation.



Note: Recommended for students who have completed other coursework and are working on the dissertation.

Prerequisite: An appropriate score on the placement exam or permission of the instructor.

Slavic Literature, Culture, and Philology

Primarily for Undergraduates

***Slavic 91r. Supervised Reading and Research**

Catalog Number: 2713

Sue Brown (spring term), Julie A. Buckler (fall term) and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: A graded course. Permission must be obtained from the Director of Undergraduate Studies and the instructor under whom the student wishes to study.

***Slavic 96. Tutorial — Sophomore Year**

Catalog Number: 4728

Sue Brown and others

Half course (spring term). Tu., 2–4.

Note: For concentrators in Russian Literature and Culture.

[*Slavic 97. Tutorial — Sophomore Year]

Catalog Number: 7595

Sue Brown (spring term), Julie A. Buckler (fall term) and others

Full course. Th., 2–4.

Note: Expected to be given in 2001–02. For concentrators in Russian Studies.

***Slavic 98. Tutorial — Junior Year**

Catalog Number: 1684

John E. Malmstad

Full course. W., 2–4.

Note: Required of junior concentrators in Russian Literature and Culture. Other students may enroll for one or both semesters.

***Slavic 99r. Tutorial — Senior Year**

Catalog Number: 5592

Sue Brown (spring term), Julie A. Buckler (fall term) and members of the Department

Full course. Hours to be arranged.

Note: May be divided upon petition. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies. If, for any reason, students do not submit an honors thesis, they must hand in a special course paper in order to receive credit for Slavic 99 in the spring term.

For Undergraduates and Graduates



Slavic 125. Modern Russian in Historical Perspective

Catalog Number: 5646

Sue Brown

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Analysis of the irregularities of modern Russian orthography, phonology, morphology, and syntax in light of historical development.

Prerequisite: Slavic B, Bab, or placement at the third-year level.

Slavic 126a. Structure of Modern Russian: Phonology and Morphology

Catalog Number: 3083

Sue Brown

Half course (spring term). M., W., F., at 10.

Introduction to transliteration, transcription, articulatory phonetics, phonemics, morphophonemics, inflection, and derivation. Examines why the spelling system only sometimes corresponds with its pronunciation; why conjugation and declension are more regular than they might seem; how to figure out the meaning of a word by looking at its parts, and in turn how it relates to other words that you might already know. Course goal is to give a deeper understanding and appreciation of the regularities and complexities of Russian through the study of its structure.

Prerequisite: Slavic B, Bab or placement at the third-year level.

[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 an introduction to generative approaches to grammar (à la 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 2001–02.

Prerequisite: Slavic B, Bab, or placement at the third-year level. No knowledge of linguistics required.

[Slavic 130a. Survey of Czech Literature from the Beginnings to 1774]

Catalog Number: 1484

Alfred Thomas

Half course (spring term). Hours to be arranged.

A survey of Czech literature from the Middle Ages to the beginning of the National Revival. Attention is paid to the historical, political, and social context, including questions of gender, race, and class. In addition to reading representative works of Czech literature, students are exposed to the most important aspects of Czech music, painting, and architecture from these periods.

Note: Expected to be given in 2001–02. No knowledge of Czech required.



[Slavic 130b. Survey of Czech Literature from 1774 to the Present]

Catalog Number: 2258

Alfred Thomas

Half course (fall term). Hours to be arranged.

A survey of modern Czech literature from the beginning of the National Revival to the present. Attention is paid to the historical, political, and social context, including questions of gender, race and class. In addition to reading representative works of Czech literature, students are exposed to the most important aspects of Czech music, painting, and architecture from these periods.

Note: Expected to be given in 2001–02. No knowledge of Czech required.

Slavic 131. Imagining Prague: The City in Literature, Art, and Film

Catalog Number: 1388

Alfred Thomas

Half course (spring term). Tu., Th., at 10, with a third hour for those who wish to consider the texts in the original. EXAM GROUP: 12

Like Venice, Prague is as much a state of mind as it is a real place. This course examines the representation of the Czech capital as a nationalist myth, a modernist icon, a surrealist fantasy, and a totalitarian prison in modern poetry, prose, painting, photography, and cinema. Selected works by Apollinaire, Capek, Hrabal, Kafka, Karasek, Kundera, Meyrink, Nemcova, Neruda, Nezval, Perutz, Rilke, Seifert, and Tsvetaeva. Includes Paul Wegener's silent film classic "The Golem" and the photographs of Josef Sudek.

Note: All readings in English.

[Slavic 132. Post-War Czech Literature and Film]

Catalog Number: 3925

Alfred Thomas

Half course (spring term). Hours to be arranged.

Examines the development of Czech poetry, fiction, drama, and cinema from 1945, through the Stalinist era, the post-Stalinist "thaw" of the late 50s and 60s, the "normalization" of the 1970s, up to the Velvet Revolution and its aftermath. Special attention to works by Chytilová, Forman, Havel, Holub, Holan, Hrabal, Kundera, Linhartová, Menzel, Škvorecký, Topol, and Weil.

Note: Expected to be given in 2001–02. No knowledge of Czech required.

[Slavic 133. Psychoanalytic Approaches to Slavic Literatures]

Catalog Number: 0988

Alfred Thomas

Half course (fall term). Hours to be arranged.

Explores "classical" Freudian and post-Freudian psychoanalytic approaches to selected works of 19th- and 20th-century Czech, Polish and Russian literature by Capek, Dostoevsky, Gogol, Kriseová, Kundera, Lem, Mácha, Nemcová, Pushkin, Reymont and Zamyatin with special reference to theoretical readings by Bersani, Borch-Jacobsen, Cixous, Freud, Kristeva, Lacan and others.

Note: Expected to be given in 2001–02. No knowledge of Slavic languages required.



Slavic 140. 18th-Century Russian Literature: Conference Course

Catalog Number: 6495

Julie A. Buckler

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

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.

Prerequisite: Good reading knowledge of Russian.

[Slavic 141. Soviet Literature and Culture 1950s–1990s: Conference Course]

Catalog Number: 1286

Svetlana Boym

Half course (spring term). Hours to be arranged.

Examines the culture of the post-Stalin period from Socialist realism to the art of glasnost' and post-communism. Literary texts (poetry, fiction, memoir), films, works of conceptual art, songs, and television programs are discussed and supplemented by readings in cultural theory. Special topics include the rewriting of history in literature and film, conceptions of utopia and kitsch, the relationship between art and mass culture, representations of sexuality, and exploration of national identity.

Note: Expected to be given in 2001–02.

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). M., 2–4. EXAM GROUP: 7, 8

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.

Prerequisite: Good reading knowledge of Russian.

[Slavic 144. Russian Dramatic Genres: Texts and Contexts]

Catalog Number: 8117

Julie A. Buckler

Half course (fall term). Hours to be arranged.

Samples a wide variety of Russian dramatic texts (18th century to present) within the context of the theater as an institution: performance traditions, dramatic theory, artists, directory, repertoire, criticism, and theater-going practices. Explores the prevalence of performativity and theatricality in Russian culture. Compares Russian dramatic tradition with that of Russian national opera.

Surveys popular theatrical genres such as comic opera, vaudeville, operetta, and cafe-theater.

Note: Expected to be given in 2001–02. No knowledge of Russian is required.

[Slavic 145a. Russian Literature in Translation: The 19th-Century Tradition]

Catalog Number: 5191



Julie A. Buckler

Half course (spring term). Hours to be arranged.

A survey of major works, chiefly fiction, from Pushkin through Dostoevsky, Tolstoy, and Chekhov.

Note: Expected to be given in 2001–02.

Slavic 145b. Russian Literature and Revolution

Catalog Number: 6663

Justin Weir

Half course (spring term). M., W., (F.), at 10, and a third hour for discussion to be arranged.

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. Works by Babel, Bely, Blok, Bulgakov, Gorky, Kataev, Kharms, Mandelshtam, Mayakovsky, Nabokov, Olesha, Pasternak, Platonov, and Solzhenitsyn.

Note: All readings in English.

[Slavic 146 (formerly Slavic 284). Mapping St. Petersburg]

Catalog Number: 2221

Julie A. Buckler

Half course (fall term). Hours to be arranged.

Petersburg's cultural history and culturally-defined topography as manifested in literary texts by Pushkin, Gogol, Dostoevsky, Goncharov, Blok, Mandelshtam, Akhmatova, Bely, and others in terms of urban and textual space theory. Considers memoirs, physiological sketches, feuilletons, myths, anecdotes, urban legends, visual representations, and photographs. Concludes with post-Soviet Petersburg's invocations of its pre-revolutionary identity.

Note: Expected to be given in 2001–02. No knowledge of Russian required.

[Slavic 152. Pushkin]

Catalog Number: 8023

William Mills Todd III

Half course (fall 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 2001–02.

Prerequisite: Good reading knowledge of Russian.

[Slavic 155. Dostoevsky]

Catalog Number: 6850

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 2001–02. No knowledge of Russian required.



Slavic 156. Vladimir Nabokov: A Cross-Cultural Perspective

Catalog Number: 8650

Svetlana Boym

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.
Prerequisite: Reading knowledge of Russian desirable but not required.

[Slavic 157. Tolstoy]

Catalog Number: 2005

Julie A. Buckler

Half course (fall term). Hours to be arranged.

Tolstoy's development as a writer and thinker, beginning with his early diaries and progressing through the great novels, *War and Peace* and *Anna Karenina*, to the late stories and plays. Examines Tolstoy's work in light of recent critical approaches to authorship, artistic biography, literary canon, 19th-century notions of sexuality and morality. How has Tolstoy been variously interpreted in Russian, Soviet, and Western-humanistic contexts? How did Tolstoy view his own work at various points in his life?
Note: Expected to be given in 2001–02. No knowledge of Russian required.

[Slavic 158. Some Versions of Russian Pastoral]

Catalog Number: 0581

William Mills Todd III

Half course (fall term). Hours to be arranged.

Readings of 18th- through 20th-century Russian literature, including prose and verse by Karamzin, Pushkin, Sergei Aksakov, Goncharov, Turgenev, Saltykov-Shchedrin, Tolstoy, and Gorky. Discussion focuses on contemporary cultural contexts and on theoretical issues.
Note: Expected to be given in 2001–02. No knowledge of Russian required.

[Slavic 162e. Survey of Polish Literature from the Beginnings to 1795]

Catalog Number: 5477

Half course (spring term). Hours to be arranged.

Introductory course to show the birth and growth of Polish literature against the general cultural background of the Middle Ages, the Renaissance, the Baroque, and the Age of Enlightenment.
Note: Expected to be given in 2001–02. 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 2001–02. No knowledge of Polish required.



[Slavic 162g. Survey of Polish Literature, 1890–1939]

Catalog Number: 7750

Half course (spring term). Hours to be arranged.

Analysis of selected works representing the turn-of-the-century neo-Romantic movement of Young Poland and literature of the two decades between the World Wars. Special emphasis on literary experiment in works of such authors as Witkacy, Gombrowicz, Schulz, and others.

Note: Expected to be given in 2001–02. No knowledge of Polish required.

[Slavic 162h. Survey of Polish Literature, 1939–Present]

Catalog Number: 3293

Half course (fall term). Hours to be arranged.

Analysis of selected works representing literature of the World War II period, literature written in Poland under Communist rule as well as in exile between 1944 and 1989, and literature of the most recent years.

Note: Expected to be given in 2001–02. No knowledge of Polish required.

[Slavic 162r. Readings in Polish Literature: 1945-2000, Between Literary Tradition and Sociopolitical Realities]

Catalog Number: 8395

Anna Baranczak

Half course (spring term). Hours to be arranged.

A close-reading course to analyze selected works, in the original, of the Polish post-WWII period. The selection of reading material will range from the Nazi-deathcamp stories of T. Borowski, to excerpted fiction of W. Gombrowicz and S. Lem, to the poetry of C. Milosz, Z. Herbert and W. Szymborska, to the poets of the “Generation ’68” and new fiction in the 90s.

Note: Expected to be given in 2001–02.

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). Hours to be arranged.

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: Expected to be given in 2001–02. No knowledge of Ukrainian required.

Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course

Catalog Number: 3513

George G. Grabowicz



Half course (spring term). W., 1:30–3:30. EXAM GROUP: 6, 7, 8

An examination of the broad gamut of Russian-Ukrainian literary relations from 1798 to 1905, with special focus on canon formation, the formation of ethnic and national identity, the movement from a unified imperial frame to separate national literary contexts, and the interrelation of literature, society, and ideology. Topics include early historicist concerns (the Decembrists), the role of Romantic poetics, folklore and ethnographism, the role of ideology (Belinsky, the Slavophiles, populism), the functions of bilingualism and the uses of translation, the reception of major writers (Gogol, Ševcenko, and others), official suppression and the debate over “Ukrainophilism” and the place of Ukrainian literature within “all-Russian” literature, literature as subversion (*kotljarevscyna*) and as social, political, and aesthetic program.

Prerequisite: Reading knowledge of Russian.

[Slavic 170. The Waning of the Muscovite Middle Ages]

Catalog Number: 3159

Half course (spring term). Hours to be arranged.

A study of the poetry, drama, historical and autobiographical writing of 17th-century Muscovy. Some attention to developments in religion, art, architecture, politics, linguistics, and social history.

Note: Expected to be given in 2001–02.

Prerequisite: Slavic 101, Linguistics 250, or permission of the instructor.

[Slavic 174. Studies in Russian 20th-Century Prose]

Catalog Number: 1886

Half course (spring term). Hours to be arranged.

Through a combination of lecture, discussion, and short written exercises, investigates some of the major changes within the institution of Russian literature from 1890 to the present, with particular emphasis on formal and stylistic experiments in post-realistic fiction. Among authors considered (for the most part via short texts): Merezhkovsky, Chekhov, Andreev, Gorky, Sologub, Bely, Babel', Olesha, Zoshchenko, Platonov, Nabokov, Sinyavsky.

Note: Expected to be given in 2001–02. Reading is expected to be done in Russian; lectures (in English) quote texts in the original.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

[Slavic 175. Theory of Narrative: Conference Course]

Catalog Number: 2094 Enrollment: Limited to 15. 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 2001–02. Open to advanced undergraduates and graduates.

Recommended for potential teaching fellows for Literature and Arts A-60.



[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 2002–03. Please pick up a syllabus in Barker 374 before the term begins, as there will be a brief assignment for the first class meeting.

Slavic 180. Russian Symbolist Poetry

Catalog Number: 6333

John E. Malmstad

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

A survey of the history of the Symbolist movement in Russia with emphasis on close reading of poetry by its major figures.

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 2001–02.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 181b (formerly Slavic 153br). 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 2001–02.

Prerequisite: Knowledge of Russian required.

Slavic 182. Problems in 20th-Century Poetry: Conference Course

Catalog Number: 3489

John E. Malmstad

Half course (spring term). Hours to be arranged.

An examination of the poetry and poetics of three writers—Annensky, Kuzmin, and Khodasevich—whose works raise questions about the validity and usefulness of the ways in which scholarship categorizes early 20th-century poetry in terms of “isms” like Symbolism and



Acmeism.

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). Tu., 12–2. EXAM GROUP: 14, 15

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 will be Joseph Brodsky and Olga Sedakova.

Prerequisite: Reading knowledge of Russian required.

Cross-listed Courses

[Comparative Literature 159. The Peasant in Literature: Conference Course]

[Comparative Literature 163. From Kafka to Kundera: Questions of Identity in Central European Modernist Fiction]

Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course

Comparative Literature 168. Literature and Film

[Foreign Cultures 72. Russian Culture from Revolution to Perestroika]

Linguistics 110. Introduction to Linguistics

[*Literature 128. Performing Texts]

[Literature and Arts A-60. Aspects and Forms of Narrative]

Literature and Arts A-74. Other Worlds: Utopia and Anti-Utopia in Central and Eastern Europe

Literature and Arts C-28. Icon—Ritual—Text: Reading the Culture of Medieval Rus'

Literature and Arts C-30. How and What Russia Learned to Read: The Rise of Russian Literary Culture

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde]

Primarily for Graduates

[Slavic 201. Introduction to East Slavic Languages]

Catalog Number: 5134

Michael S. Flier

Half course (fall term). Hours to be arranged.

Introduction to the structure and history of Russian, Ukrainian, and Belarusian.

Note: Expected to be given in 2001–02.

[Slavic 202. Introduction to West Slavic Languages]

Catalog Number: 6877

Michael S. Flier

Half course (spring term). Hours to be arranged.



Introduction to the structure and history of Czech, Polish, Slovak, and Sorbian.

Note: Expected to be given in 2001–02.

Prerequisite: Linguistics 250. Reading knowledge of a West Slavic language desirable.

[Slavic 203. Introduction to South Slavic Languages]

Catalog Number: 1665

Sue Brown

Half course (spring term). Hours to be arranged.

Introduction to the structure and history of Slovene, Croatian, Serbian, Macedonian, and Bulgarian.

Note: Expected to be given in 2001–02. Reading knowledge of a South Slavic language desirable.

Prerequisite: Linguistics 250.

[Slavic 222. 20th-Century Ukrainian Poetry, 1905 to World War II]

Catalog Number: 8407

George G. Grabowicz

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2001–02.

Slavic 223. 19th-Century Ukrainian Poetry

Catalog Number: 2097

George G. Grabowicz

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Note: Expected to be omitted in 2001–02.

[Slavic 224r. Ukrainian Literature: Seminar]

Catalog Number: 8393

George G. Grabowicz

Half course (spring term). Hours to be arranged.

Topic for 2001-2002: Taras Sevcenko

Note: Expected to be given in 2001–02.

[Slavic 250. Structure of Ukrainian]

Catalog Number: 3547

Michael S. Flier

Half course (spring term). Hours to be arranged.

Survey of the phonology, morphology, and syntax of modern Ukrainian.

Note: Expected to be given in 2002–03.

Prerequisite: Slavic 201 and reading knowledge of Ukrainian.

Slavic 269. Structure of Russian for Instructors

Catalog Number: 7807

Patricia R. Chaput and Vladimir Y. Gitin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Survey of the structures and rules of Russian from the viewpoint of the instructor. Linguistic



description of basic structures and its translation into pedagogical form. Discussion of the nature of grammatical “rules” and their formulation at different levels of study. Consideration of problems of identification of acceptable versus unacceptable usage and questions of varying and changing norms. Includes practice in difficult constructions.

[Slavic 271. Russian Phonetics and Phonology]

Catalog Number: 1565

Michael S. Flier and others

Half course (spring term). Hours to be arranged.

Analysis of current issues in Russian phonetics and phonology.

Note: Expected to be given in 2001–02.

Prerequisite: Slavic 126a.

[Slavic 272. Russian Morphology]

Catalog Number: 2058

Michael S. Flier and others

Half course (spring term). Hours to be arranged.

Analysis of current issues in Russian inflection and derivation.

Note: Expected to be given in 2001–02.

Prerequisite: Slavic 126a.

[Slavic 273. Russian Syntax and Discourse Grammar]

Catalog Number: 5149

Sue Brown

Half course (fall term). Hours to be arranged.

Topic for 2001–02: Survey of topics in Russian syntax and discourse grammar.

Note: Expected to be given in 2001–02. Students are expected to choose one of the Slavic languages and to gather data relating to the given topic.

Prerequisite: Linguistics 112a or its equivalent (112b preferred but not mandatory) or permission of instructor. Knowledge of a Slavic language helpful but not required.

Slavic 280r. Slavic Culture: Seminar

Catalog Number: 1909

Michael S. Flier

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2000–01: The Culture of Medieval Rus’: Art, architecture, ritual, literature.

Note: Recommended for potential teaching fellows for Literature and Arts C-28.

Slavic 283. Commemorating Pushkin: Conference Course

Catalog Number: 4002

Stephanie Sandler

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

Studies Russia’s myth of a national poet beginning with elegies on his death in 1837 and concluding with the anniversary celebration in 1999. Attention to poems, essays, films, literary museums, and cultural spectacles that have created public myths of the poet, and to the creative



responses to these myths by such figures as Tsvetaeva, Akhmatova, Sinyavsky, and Bitov.

Prerequisite: Reading knowledge of Russian required.

Slavic 284. Tolstoy and Modernism: Conference Course

Catalog Number: 2923

Justin Weir

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Investigates critically the notion that Tolstoy's literary art derives from a strictly realist or didactic aesthetics. Works to be read include *Sevastopol Stories*, *The Cossacks*, *Anna Karenina* and several post-conversion stories and novellas. It is recommended that students be familiar with *War and Peace*.

Note: All readings are in Russian.

[Slavic 286 (formerly Slavic 176). Russian Autobiographical Writing in the 20th Century: Conference Course]

Catalog Number: 3550

Svetlana Boym

Half course (fall term). Hours to be arranged.

Examines various autobiographical, fictional, poetic and theoretical texts from post-revolutionary times to the present. Close reading of the text with attention to the issues of cultural self-fashioning, bilingualism and exile. Readings from Mayakovsky, Pasternak, Shklovsky, Jakobson, Tsvetaeva, Mandel'shtam, Nabokov and Brodsky.

Note: Expected to be given in 2001–02.

Prerequisite: Reading knowledge of Russian required. Most materials also available in English.

[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, with special attention to the emergence of strong women poets in this century. Concentrates on Akhmatova, Mandelstam, Tsvetaeva, and Pasternak, followed by the reactions, rebellions, and fresh self-inventions of Petrovykh, Lisnianskaia, Sedakova, and Shvarts. Ends with an inquiry into modern rediscoveries of Pavlova.

Note: Expected to be given in 2001–02. All readings in the original. Open to qualified undergraduates by permission of instructor.

Slavic 288. Sex, Self, and Russia: Conference Course

Catalog Number: 0106

Stephanie Sandler

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Explores the relationship among ideas of sexuality, identity, and desire in the cultural debates and creative psyches of modern Russian literary figures. Concentrates on three periods, roughly 1820-1840; 1890-1917; and 1930-1953; informed by recent feminist literary, historical, post-modern, and psychoanalytic criticism.

Prerequisite: Reading knowledge of Russian required.



[Slavic 291. Problems in the History of Early Ukrainian Literature]

Catalog Number: 0643

George G. Grabowicz

Half course (fall term). Hours to be arranged.

An examination of the major developments and phases of Kievan and early Ukrainian literature. Topics include the interrelation of written and oral literature, the system of genres of Kievan literature (with special focus on hagiography), the Renaissance and the interrelation with Polish literature, the confraternities, Vyshens'kyj, the Baroque, the Mohyla Academy, Skovoroda.

Note: Expected to be given in 2001–02.

Prerequisite: Reading knowledge of Ukrainian.

[Slavic 292. 20th-Century Ukrainian Prose]

Catalog Number: 5733

George G. Grabowicz

Half course (fall term). Hours to be arranged.

A survey of the major figures and tendencies in Soviet and emigré prose from 1917 to the 1990s. Special attention to be paid to the avant-garde of the 1920s–1940s (Khvyl'ovyy, Johansen, Domontovych, Kosach) and of the most recent period (Andijevs'ka, Andrukhovych, and others).

Note: Expected to be given in 2001–02.

[Slavic 296r. Slavic Linguistics: Seminar]

Catalog Number: 5196

Sue Brown

Half course (fall term). Hours to be arranged.

Topic for 2001-02: To be announced.

Note: Expected to be given in 2001–02. Students are expected to choose one of the Slavic languages and to gather data relating to the given topic.

Prerequisite: Linguistics 112a or its equivalent (112b preferred but not mandatory) or permission of instructor. Knowledge of a Slavic language helpful but not required.

***Slavic 299. Proseminar**

Catalog Number: 7972

William Mills Todd III

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to graduate study in Slavic. Selected topics in literary analysis, history, and theory.

Note: Open to qualified undergraduates by permission of the chairman.

Cross-listed Courses

[*Comparative Literature 260. Literature and Exile: Seminar]

***Comparative Literature 261. Memory and Modernity: Seminar**

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, Sue Brown 2926 (on leave fall term), Julie A. Buckler 2960 (on leave spring term), Patricia R. Chaput 6222, Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219, Stephanie Sandler 1343, Jurij Striedter 4677, Alfred Thomas 1344 (on leave fall term), William Mills Todd III 1634 (on leave spring term), and Justin Weir 3407

Members of the Department listed for Slavic 301 also direct doctoral dissertations.

***Slavic 301. Reading and Research**

Catalog Number: 3385

Svetlana Boym 1926, Sue Brown 2926 (on leave fall term), Julie A. Buckler 2960 (on leave spring term), Patricia R. Chaput 6222, Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219, Stephanie Sandler 1343, Alfred Thomas 1344 (on leave fall term), William Mills Todd III 1634 (on leave spring term), and Justin Weir 3407

[*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.

Note: Expected to be given in 2001–02.

Social Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Social Policy

Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*) (*Chair*)
David Tabor Ellwood, Lucius N. Littauer Professor of Political Economy (*Kennedy School*)
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*) (*on leave 2001-02*)

Paul Pierson, Professor of Government

Mary C. Waters, Harvard College Professor and Professor of Sociology

This program awards two different degrees: the Ph.D. in Government and Social Policy and the Ph.D. 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 & 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 Ph.D. 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 (social-policy@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.

*Sociology 296b. 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



***Social Policy 301. Advanced Research Workshop in Inequality and Social Policy**

Catalog Number: 3704

Katherine Newman (Kennedy School) 2651

A workshop designed for advanced graduate students of the Ph.D. programs in Government & Social Policy and Sociology & Social Policy. Workshop will focus on prospectus development and the presentation of dissertation research in progress.

Social Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Social Studies

Seyla Benhabib, Professor of Government (*Chair*) (*on leave 2000-01*)

Grzegorz Ekiert, Professor of Government (*Acting Chair*) (*on leave spring term*)

K. Anthony Appiah, Charles H. Carswell Professor of Afro-American Studies and of Philosophy

Mariko Chang, Assistant Professor of Sociology and of Social Studies (*on leave 2001-02*)

John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs and Director of the David Rockefeller Center for Latin American Studies (*on leave fall term*)

Richard N. Cooper, Maurits C. Boas Professor of International Economics

Gwendolyn Dordick, Assistant Professor of Sociology and of Social Studies (*on leave 2000-01*)

Peter C. Gordon

Peter A. Hall, Harvard College Professor, Frank G. Thomson Professor of Government, and Director of the Minda de Gunzburg Center for European Studies (*on leave 2000-01*)

Michael Herzfeld, Professor of Anthropology

Engseng Ho, Assistant Professor of Anthropology and of Social Studies

Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor (*on leave fall term*)

Richard M. Hunt, Senior Lecturer on Social Studies

James T. Kloppenberg, Professor of History

Steven R. Levitsky, Assistant Professor of Government and of Social Studies

Charles S. Maier, Krupp Foundation Professor of European Studies

Rebecca Mary McLennan, Assistant Professor of History and of Social Studies

Pratap Bhanu Mehta, Associate Professor of Government and of Social Studies

Glyn Morgan, Assistant Professor of Government and of Social Studies (*on leave 2000-01*)

Elizabeth J. Perry, Henry Rosovsky Professor of Government

Tommie Shelby, Assistant Professor of Afro-American Studies and of Social Studies

Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology

Doris Sommer, Professor of Romance Languages and Literatures

Judith E. Vichniac, Senior Lecturer on Social Studies (*Director of Studies*)



Cornel West, Alphonse Fletcher, Jr., University Professor and Professor of Afro-American Studies (*FAS*) and Professor of the Philosophy of Religion (*Divinity School*) (*on leave 2000-01*)
Christopher Winship, Professor of Sociology

Other Faculty Offering Instruction in Social Studies

Jeffrey B. Abramson, Visiting Professor of Social Studies (*Brandeis University*)
Kiku Addato, Lecturer on Social Studies
Terry K. Aladjem, Lecturer on Social Studies
Anya Bernstein, Lecturer on Social Studies
Jane Fair Bestor, Lecturer on Social Studies
Melissa L. Caldwell, Lecturer on Social Studies
Yuehtsen Juliette Chung, Lecturer on Social Studies
Corey Dolgon, Visiting Professor of Social Studies (*Worcester State College*)
William F. Fisher, Visiting Associate Professor of Social Studies (*Clark University*)
David Fithian, Allston Burr Senior Tutor in Adams House, Assistant Dean of Harvard College and Secretary to the Administrative Board
Jonathan D. Kahn, Visiting Associate Professor of Social Studies (*Bard College*)
Lynne B. Layton, Assistant Clinical Professor of Psychology in the Department of Psychiatry (*Medical School*)
Cameron Macdonald, Visiting Assistant Professor of Social Studies (*University of Connecticut*)
Thomas Michael Malaby, Lecturer on Social Studies
Stephen A. Marglin, Walter S. Barker Professor of Economics
Sylvia Maxfield, Lecturer on Government
James E. Miller, Visiting Professor of Social Studies
Mark Mitrovich, Lecturer on Social Studies
Andrew Port, Lecturer on Social Studies
Lisa S. Rivera, Lecturer on Social Studies
Bartholomew John Ryan, Lecturer on Social Studies
James Schmidt, Visiting Professor of Social Studies (*Boston University*)
Carmen J. Sirianni, Visiting Associate Professor of Social Studies (*Brandeis University*)
Karen-Sue Taussig, Lecturer on Social Studies, Teaching Assistant in the History of Science

Primarily for Undergraduates

***Social Studies 10. Introduction to Social Studies**

Catalog Number: 5278

Pratap Bhanu Mehta 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 (spring term). Hours to be arranged.

An introduction to basic research methods and statistics designed primarily for concentrators in Social Studies. No previous background in statistics is required. Assists students in developing the skills to understand statistical methods used in social science research and to conduct quantitative analyses that address research questions. Also prepares students to do quantitative research for projects such as senior honors essays.

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). Hours to be arranged.

What are the assumptions about human beings and our relationships with one another that underlie the conviction that development and modernization constitute progress, and that the developed West shows the way the rest of the world should/must go? To have economic growth, must people buy a whole package that changes the society, the polity, and the culture along with the economy? This tutorial will provide a framework for thinking about these and related questions (for example, why don't economic problems fade as we get richer?), both in the context of the history of the West, and in the context of the Third World.

***Social Studies 98bj. History and Memory**

Catalog Number: 1652

Judith E. Vichniac

Half course (fall term). Hours to be arranged.

Examines the way in which collective memory is shaped and its relationship to history. What is collective memory, and how does it differ from individual memory? How does history help to construct collective memory? When is collective memory a source for history? When does collective memory enrich and when does it impoverish? Case studies include the Civil War, World War I and the Holocaust.

***Social Studies 98bq. Popular Culture: Theories and Practices**

Catalog Number: 2209

Lynne B. Layton (Medical School)

Half course (fall term). Hours to be arranged.

Examines the many theoretical perspectives on popular culture currently debated in academia—Marxist, feminist, psychoanalytic, semiotic. Focusing on one or two popular media as case



studies, we will draw on the theories to inform textual analysis and to investigate issues of production and reception.

***Social Studies 98cb. Work in American Society**

Catalog Number: 1503

Cameron Macdonald (University of Connecticut)

Half course (fall term). Hours to be arranged.

Explores work and its transformations in the 20th-century U.S. Investigates the nature and meaning of work and workplace dynamics, beginning with foundational texts by Marx, Weber, and Braverman. Analyzes critical contemporary issues including labor conflict and workplace control; segregation and stratification in the work force; emotional labor in the service sector; the dynamics of work and family; and emerging forms of work in the context of globalization and downsizing.

***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 United States 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, health care, education, work-family policy, and social security.

***Social Studies 98ch. The Power of News**

Catalog Number: 1650

David Fithian

Half course (fall term). Th., 2–4.

Considers theories about, and studies of, the production, distribution, and consumption of news. Focuses on the agenda-setting power of journalism and addresses the question of whether news reflects and reinforces existing social, political, and economic relations, or shapes them. The influence of electronic media and live broadcasts on social and political behavior in general and democracy and citizenship in particular is also explored, as is the power of news organizations.

***Social Studies 98db. Democracies and Markets**

Catalog Number: 8362

Phineas Baxandall

Half course (fall term). Hours to be arranged. EXAM GROUP: 7, 8

An examination of the relationships between politics and the economy in modern democracies. Instead of starting from the assumption of pure markets isolated from politics, this course will treat the economy as a fundamentally political set of institutions. The course first examines the inherent political tensions within democracies, the contingent social arrangements underlying “laws” of economics, and the degree to which democracies and markets support or harm each other. Students will then examine the dynamics of interest groups, states, and social movements in shaping the economy. The second half of the course applies these theories to debates about:



the influence of money in American politics, the welfare state, unemployment, globalization, and the information economy.

***Social Studies 98df. Comparative and International Political Economy**

Catalog Number: 5750

Sylvia Maxfield

Half course (fall term). Hours to be arranged.

Develops research skills and an ability to analyze the similarities and differences between the interaction of politics and economics across nations. Organized around specific issues: the politics of economic reform; the economics of transition to democracy; political business cycles; the correlation between growth and institutions of governance; and internationalization and cross-national convergence in economic policy. Each student will pick a country to research and report on during the course of the semester.

***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.

This course examines old and new efforts to organize, represent, and control the poor in Latin America. After first analyzing “traditional” patterns of social and political organization such as clientelism, populism, and corporatism, the course examines how changing class structures, economic liberalization, and the decline of corporatism are reshaping patterns of representation. Specific topics include party and party system change; the emergence of “neo-populist” leaders; and the rise of new social movements, NGOs, and other alternative forms of organization. The course asks whether these organizations can fill the representational void created by the weakening of unions and populist parties, or whether labor’s decline will mean a return to more exclusionary, clientelistic, and “neo-oligarchic” politics.

***Social Studies 98dm. Modernity and its Discontents**

Catalog Number: 5662

James E. Miller

Half course (fall term). Hours to be arranged.

Explores a variety of themes and texts that epitomize some of the critical concerns of our age. Among the issues discussed are freedom and the problem of progress; the end of slavery and the implications of European world domination; new views of human nature; the idea of the avant-garde; and the moral implications of modern war and totalitarianism. Among the authors read are Rousseau, Kant, Goethe, Thomas Jefferson, Robespierre, Condorcet, Olaudah Equiano, Hegel, Marx, Dostoevsky, Joseph Conrad, Freud, Marinetti, Ernst Junger, Paul Nizan, Tadeusz Borowski, Walter Benjain, Hannah Arnedt, and Michel Foucault.

***Social Studies 98dq. The Environment, Law and Culture: The Logic of Preservation**

Catalog Number: 8924

Jonathan D. Kahn (Bard College)

Half course (fall term). Hours to be arranged.

How, why, and to what extent should the American legal system protect the natural



environment? Begins by exploring the logic of preservation underlying the laws protecting endangered species, wilderness, and national parks. Moves beyond environmental law itself to consider such issues as what is wilderness? What makes a natural wonder different from a cultural or human-made wonder? What makes either, or both, deserving of preservation? Compares the logic of environmental preservation laws with laws protecting historic buildings and cultural property such as Elgin Marbles. Considers whether distinct cultural communities can or should be accorded legal protection on a par with natural communities. Ends with a consideration of the special case of indigenous American peoples, who occupy a distinctive place, historically, culturally, and legally, in American society.

***Social Studies 98dr. Moral and Political Ideas: Contemporary Moral and Political Theory**

Catalog Number: 3390

Lisa S. Rivera

Half course (fall term). Hours to be arranged.

Examines some of the main questions in contemporary political theory. Questions include: What is the role of the state in shaping our lives and our relationships with other citizens? What is the nature of the relationship between the individual and the State? What legitimates the State's authority? What causes oppression, and how does the fact of oppression constitute a challenge to the liberal conception of the State?

***Social Studies 98ds. Economic Attitudes, Financial Decisions, and the Structure of Wealth Inequality in America**

Catalog Number: 8682

Mariko Chang

Half course (fall term). Hours to be arranged.

Examines how people's attitudes and thoughts about money and wealth influence their financial decisions. Also explores the relationship between economic attitudes, financial decisions, and the structure of social inequality. Students will conduct original research in order to address the following questions: How and why do people's attitudes towards money, investment, and wealth differ along racial, class, and gender lines? Are financial knowledge and/or certain financial attitudes a form of "cultural capital" that is passed from parents to children? Why is wealth inequality so much greater than income inequality?

***Social Studies 98dt. Local/Global: East Asian Experiences**

Catalog Number: 1572

Yuehtsen Juliette Chung

Half course (fall term). Hours to be arranged.

Examines how different constitutive processes of globalization transform key aspects of, and are in turn shaped by, institutions such as sciences and technology, religion, nation-state, citizenship, and cultural representations, through the passages of communication, urbanization, translation, and migration. Also discusses the issues set forth by the globalizing and local forces in the process of homogenization and conflicts. Pays particular attention to exploring a balanced approach (in any discipline or all together) in which we will not lose sight of both local and global contexts. Examines case studies focused on East Asia both as a geographic region and a propagating cultural space.


***Social Studies 98dw. Gender Politics**

Catalog Number: 0447

Oona Britt Ceder
Half course (fall term). Hours to be arranged.

Employing gender as a category of analysis, this course will examine women's political consciousness and participation from the late eighteenth century to the present. The first part of the course will investigate the political activities and status of women in North America. Cases to be considered include Native American women's resistance to colonial rule; the role of African-American and white women in the movements for the abolition of slavery and women's suffrage; and the emergence of Hispanic and Asian women on the U.S. political stage. In the second part of the course, students will evaluate the contribution of gender-based analysis to the study of contemporary political life and issues. U.S. as well as global perspectives will be considered.

***Social Studies 98dy. Rise of the West**

Catalog Number: 3381

Tom Peter Harsanyi
Half course (fall term). Hours to be arranged.

This course examines a variety of historical developments and theories in an attempt to suggest answers to Max Weber's old questions of how and why the West gradually emerged as the politically, economically, and scientifically most modern and dominant civilization in the world over the course of the medieval and early-modern periods. . The course will begin with a unit on the incipient recovery of Western civilization during the Dark Ages after the fall of the Western Roman Empire, and will proceed to analyze the development and expansion of the economic, political, and scientific power of both European and non-Western civilizations during the medieval and early-modern periods. Students should be aware that this is not a course in moral philosophy or cultural studies.

***Social Studies 98xx. Urban Village or Urban Pillage: The Life, Death and Dreams of American Cities**

Catalog Number: 9332

Corey Dolgon
Half course (fall term). Hours to be arranged.

This course will investigate theories and approaches to the sociology of urban space and examine the historical evolution of economic development, political struggles, and social identities of cities and their people. In particular, we will look at the relationships between urban geographies and economic markets; links among industrialization, immigration, and urban politics; connections between the physical landscape and social class; and the cultural politics of contemporary urban, suburban and exurban spaces. Our goals will be to understand and apply a variety of sociological theories to analyzing historical and contemporary urban issues. The pervading theme throughout the course will be the possibilities of cities as ideal human landscapes.

Social Studies 98 — Junior Tutorials: Spring Term
***Social Studies 98aa. Culture, Politics, and International "Development"**

Catalog Number: 7134



William F. Fisher (Clark University)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the relationships among social and political processes and economic “development.” Encourages students to explore recent insights into the workings of ideology and power, and to examine how we can relate, in both theory and practice, these insights to processes of development, and resistance to development, in the “third world.”

***Social Studies 98av. Leadership and Followership in Modern Society: Politics, Personality, and Charisma**

Catalog Number: 5427

Richard M. Hunt

Half course (spring term). W., 4–6. EXAM GROUP: 9

Based on Social Studies 10 readings of Weber, Durkheim, and Freud, examines recent theories of leadership—political and professional—in modern society. Special attention is given to the relation between leaders and followers, and to the specific historical conditions from which leaders emerge. Also studies various forms of charismatic leadership. Case studies include Lincoln, Hitler, FDR, Huey Long, and Martin Luther King, Jr.

***Social Studies 98ck. Community Empowerment and Civic Democracy in the Contemporary United States: Theory, Practice, and Policy**

Catalog Number: 9316

Carmen J. Sirianni (Brandeis University)

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

Analyzes innovations in community organizing, civic engagement, and “policy design for democracy” in a variety of arenas (urban development, environment, health, journalism, social services, education) over the past several decades in the U.S. Examines these in terms of theories of deliberative democracy, social capital, and civil society, as well as debates on the future of the welfare state and regulatory politics. Considers the larger crisis of American democracy and the possibilities of civic renewal.

***Social Studies 98cl. Law and Society**

Catalog Number: 7389

Terry K. Aladjem

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Examines law as a defining force in American culture and society in four dimensions—as it establishes individual rights, liberties, and limits of toleration; as it attempts to resolve differences among competing constituencies; as it sets out terms of punishment and social control, and as a source of informing images and ideological consistency.

***Social Studies 98cm. American Social Movements**

Catalog Number: 2773

Anya Bernstein

Half course (spring term). M., 4–6. EXAM GROUP: 9

Examines social movements in 19th- and 20th-century America using theoretical material and case studies of major social movements. Topics will include how movements arise and evolve,



how members determine strategy, the relationship between movements and other modes of politics, and why movements succeed or fail.

***Social Studies 98cv. Authoritarianism and Democracy in Latin America**

Catalog Number: 5595

Steven R. Levitsky

Half course (spring term). M., 4–6. EXAM GROUP: 9

Examines political regimes and regime change in modern Latin America, focusing primarily on the cases of Argentina, Brazil, Chile, Mexico, Peru, and Venezuela. Compares different theoretical approaches (including modernization, neo-marxist, cultural, choice-centered, and institutional approaches) to explaining the emergence of democracy in the region, its breakdown in the 1960s and 1970s, and the “wave” of re-democratization in the 1980s and 1990s. Examines contemporary problems of democratic survival and consolidation, analyzing the effects of factors such as the international context, the debt crisis and economic liberalization, state weakness, political violence, and poverty and inequality. Also examines how different institutional structures, such as electoral systems, party systems, and executive-legislative arrangements, may affect the stability and quality of new democracies.

***Social Studies 98cz. Boundaries and Nationalism: The New Ethnography of Europe**

Catalog Number: 0758

Thomas Michael Malaby

Half course (spring term). M., 1–3.

Examines theories of nationalism and recent ethnographies of Europe to illuminate the disparate circumstances of Europe’s people and the prominence of the discourse of unification in their everyday lives. Explores how borders posed a challenge for nation-states in their deployment of authority and their development of notions of citizenship in Ireland, the Pyrenees, the former Yugoslavia, and elsewhere. Analyzes these ethnographies to clarify prospects and problems of a unified Europe and provides a local-level exploration of boundaries, gender, and violence to understand the recent and tragic events in the region.

[*Social Studies 98da. Disaster, Trauma, and Community in America]

Catalog Number: 2680

David Fithian

Half course (spring term). Hours to be arranged.

Examines case studies of the social, psychological, and economic effects on communities from natural catastrophes, technological accidents, diseases, and other social crises. Cases include natural disasters (floods, hurricanes, and earthquakes), industrial contamination, acts of terrorism, and riots. Accidents such as the explosion of the space shuttle Challenger and pandemics such as AIDS are also considered. Explores concepts of community, collective action, altruism, survivor guilt, power, social justice, and faith, among others.

Note: Expected to be given in 2001–02.

***Social Studies 98de. International Institutions and World Politics**

Catalog Number: 4405

Kip Charles Wennerlund

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17



Explores the conditions under which international institutions affect world politics. International institutions are defined broadly, from enduring sets of rules, norms and practices, to formal international organizations like the United Nations or the International Monetary Fund. Reviews contending theoretical perspectives that disagree about the impact that international institutions have on relations among states and on outcomes within states. Surveys a number of influential precursors to present-day international institutions. Examines a variety of international and regional institutions in political, economic, security, environmental and humanitarian issue areas.

***Social Studies 98dg. Democracy and Dictatorship**

Catalog Number: 9019

Judith E. Vichniac

Half course (spring term). W., 4–6. EXAM GROUP: 9

Considers why certain countries develop and maintain democratic institutions while others do not. Are the answers to be found in sociological preconditions, political culture, or institutional developments? Readings are drawn from classics in political science and sociology. Consideration is given to historical and contemporary cases.

***Social Studies 98dh. Cultural Pluralism and American Law**

Catalog Number: 1941

Jonathan D. Kahn (Bard College)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Takes a broadly interdisciplinary approach to examine the myriad ways in which the American legal system has confronted questions of the legal status of “culture,” “identity,” and “difference.” Readings will be drawn from legal studies, history, politics, anthropology, and philosophy. There is no escaping the fact that law shapes identity. Laws tells us who we are and where we stand in society. While sometimes benign, such classifications can also be a devastatingly powerful instrument of ostracism and subjugation. Conversely, recognition and classification may also give voice and agency to distinct groups and their members. We will explore these dynamics by looking to such different areas of American law and politics as racial discrimination, nativism, religious persecution, Native American rights, and the legal regulation of gender and sexuality.

***Social Studies 98dj. The Rule of Law: Social Theoretical Debates**

Catalog Number: 7023

Rebecca Mary McLennan

Half course (spring term). Hours to be arranged.

How has the advent of corporate capitalism, private and public bureaucracies, and “globalization” affected the operations of formal, calculable legal principles of the kind conceived by Locke and other early liberal theorists? Has the liberal rule of law lost its efficacy and its legitimacy? Does it sustain or undermine the social relations of capitalist mass democracies? Explores the social theoretical debates around the fate of formal law under the conditions of modernity. Among other questions, considers Marxian critiques of formal law; Max Weber’s analysis of law in the age of bureaucratic rationalization; the conservatives’ attack on liberal law (Carl Schmitt and Friedrich Hayek); and the debate between the Frankfurt theorists (Franz Neumann, Otto Kirchheimer, Jürgen Habermas) and Critical Legal Studies (Duncan Kennedy and Roberto Unger) on whether liberal law is determinant and legitimate.



***Social Studies 98do. Genes “R” Us?: Towards a Social Analysis of Genetics and its Application in New Technologies**

Catalog Number: 0509

Karen-Sue Taussig

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the complex ways that genetic knowledge and its application in biotechnology reflect important aspects of contemporary American social life. Explores how such knowledge and technology are enmeshed in social, political, and economic systems. How do people encounter and make sense of these emerging areas of social life? Does this new knowledge affect the ways in which people understand their relationships to others? Does it affect people’s conceptions of what it means to be human? Do technologies such as those associated with genetic testing create new sites for imagining new futures and new social and cultural practices?

***Social Studies 98dp. Children and Public Discourse: From the Progressive Era to the Present**

Catalog Number: 6204

Kiku Addato

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

What political, social, and cultural forces explain the place and treatment of children in contemporary public discourse? Within this historical perspective, traces the role of children in public discourse from the Progressive era to the present. Particular attention is paid to the interplay between the civic and reform movements to improve the lives of children; the growing influence of the consumer and popular culture; and the powerful role of visual images (used by reformers, journalists, advertisers, and entertainers) in shaping and defining childhood. Among the topics covered are the reform movements in education (from Dewey to contemporary debates), the role of documentary photography and photojournalism (from the work of Lewis Hine and Jacob Riis to current documentary work on children’s poverty and health), and the deepening influence of the commercial and popular culture on children (from the rise of the movies at the turn of the century to the role of television and the Internet today).

***Social Studies 98du. Enlightenment and Counter-Enlightenment**

Catalog Number: 2976

James Schmidt (Boston University)

Half course (spring term). Hours to be arranged.

Traces the vicissitudes of the Enlightenment ideals of reason, critique, and autonomy over the last two centuries. Through an examination of the arguments of both advocates and critics of the Enlightenment, explores such themes as the relationship between tradition and authority, science and domination, reason, and emancipation. Readings will be drawn from the works of Edmund Burke, Mary Wollstonecraft, G. W. F. Hegel, Ernst Cassirer, Martin Heidegger, Max Horkheimer, Theodor Adorno, Hans-Georg Gadamer, Michel Foucault, and Jürgen Habermas.

***Social Studies 98dx. Feminist Theory: Equality, Identity, Difference**

Catalog Number: 3055

Oona Britt Ceder

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This course will examine main currents of feminist thought. We will read feminist theories that



have their origins in Western social and political thought (Mary Wollstonecraft, John Stuart Mill, Emma Goldman, Simone de Beauvoir, Susan Okin, Catharine MacKinnon, Iris Young), as well as works and essays by writers who reject the methods of canonical thought and develop new, oppositional forms of feminist theorizing (Irigaray, Audre Lorde, Mary Daly, bell hooks, Gloria Anzaldua, Judith Butler). Through analysis of these thinkers and writers, students will acquire an understanding of the relationship between feminist theories and major traditions of social and political critique (liberalism, socialism, Marxism, postmodernism, and existentialist, psychoanalytic, literary, and cultural theories).

***Social Studies 98dz. Democratic Theory**

Catalog Number: 8691

Jeffrey B. Abramson (Brandeis University)

Half course (spring term). Th., 4–6. EXAM GROUP: 18

What makes democracy morally the best form of government? Or do we have to fall back on Churchill's famous quip that democracy is the worst form of government, except for all the others? From the psychological point of view, does democracy find its justification in accommodating human nature and its interests or in transforming human nature? This seminar will examine these and other questions of political theory, drawing primarily on the United States for its examples. Both classical and contemporary theories of democracy will be at issue. Proposals for reform, including those drawing on the "direct democratic" capacities of the Internet will be debated.

***Social Studies 99. Tutorial — Senior Year**

Catalog Number: 7501

Judith E. Vichniac and staff

Full course. Hours to be arranged.

Writing of senior honors essay.

Note: Required for concentrators.

Sociology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sociology

Christopher Winship, Professor of Sociology (*Chair*)

Kenneth T. Andrews, Associate Professor of Sociology (*on leave fall term*)

Lawrence D. Bobo, Professor of Sociology and of Afro-American Studies (*Director of Graduate Studies*)



Mariko Chang, Assistant Professor of Sociology and of Social Studies (*on leave 2001-02*)
Gwendolyn Dordick, Assistant Professor of Sociology and of Social Studies (*on leave 2000-01*)
David J. Frank, Associate Professor of Sociology (*on leave spring term*)
Jason A. Kaufman, Associate Professor of Sociology
John Lie, Visiting Professor of Sociology (*University of Illinois at Urbana-Champaign*)
Stanley Lieberson, Abbott Lawrence Lowell Professor of Sociology
Peter V. Marsden, Professor of Sociology
Orlando Patterson, John Cowles Professor of Sociology (*on leave 2000-01*)
Jeffrey G. Reitz, Visiting William Lyon MacKenzie King Professor of Canadian Studies
Barbara F. Reskin,
Libby Schweber, Associate Professor of Sociology (*on leave 2000-01*)
Theda Skocpol, Victor S. Thomas Professor of Government and of Sociology
Aage B. Sørensen, Professor of Sociology, Associate of the Leverett House Senior Common Room (*on leave 2000-01*)
Mary C. Waters, Harvard College Professor and Professor of Sociology (*Head Tutor*)
Martin K. Whyte, Professor of Sociology

Other Faculty Offering Instruction in the Department of Sociology

Leslie Gwen Cintron, Lecturer on Sociology
Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*) (*on leave 2001-02*)
Vivian S. Louie, Lecturer on Sociology (*Yale University*)
Katherine Newman, Malcolm Wiener Professor of Urban Studies (*Kennedy School*)
Ezra F. Vogel, Henry Ford II Research Professor of the Social Sciences

Introductory Courses

Sociology 10. Introduction to Sociology

Catalog Number: 4814

David J. Frank

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

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). Hours to be arranged.

Explores selected aspects of contemporary American society from a sociological perspective. Topics will include gender, socialization and politics; popular culture and high culture; race and



ethnicity; crime and drugs; poverty and homelessness; and the changing suburban landscape. Emphasis on the application of key concepts and approaches in social theory to understanding the workings of our social environment. Readings will focus on major works within each substantive area and will reflect a diversity of methodological approaches.

Note: Expected to be given in 2001–02. Counts for introductory concentration requirement.

Sociology 22. Gender and Work

Catalog Number: 7997

Barbara F. Reskin

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

An examination of how gender is related to people's experience at work, with a focus on the U.S. Will address how conceptions of work, skill, and the logic of pay systems are gendered and how these and other factors affect the types of jobs, compensation, and career advancement opportunities of the sexes. Will assess and examine various theoretical explanations for inequality between the sexes to consider the link between work and family. Will also consider how gender affects relations among coworkers.

Note: Counts for introductory concentration requirement.

Sociology 25. Introduction to the Sociology of Organizations

Catalog Number: 3609

Peter V. Marsden

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Introduces the sociological study of formal organizations. Surveys basic concepts, emphases, and approaches. Attention given to processes within organizations, as well as to relationships between organizations and their environments. Topics include bureaucracy, leadership and power in organizations, interorganizational networks, and coordination among organizations.

Note: Counts for introductory concentration requirement.

Sociology 40. Introduction to Human Societies

Catalog Number: 4512

Vivian S. Louie (Yale University)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Introduces the distinct way of thinking and seeing the world through the sociological perspective.

Topics to be covered include socialization, deviance, race and ethnicity, and the particular concepts and tools that sociologists use to study human social life.

Note: Counts for introductory concentration requirement.

[Sociology 60. Race and Ethnic Relations]

Catalog Number: 4114

Mary C. Waters

Half course (spring term). Hours to be arranged.

Examines race and ethnic relations in the United States from a theoretical, historical, and comparative perspective. Explores the emergence of racial and ethnic minorities through such historical processes as colonialism, slavery, and immigration. Studies the current relations among racial and ethnic groups in the United States.

Note: Expected to be given in 2001–02. Counts for introductory concentration requirement.



[Sociology 68. Social Movements]

Catalog Number: 0507

Kenneth T. Andrews

Half course (spring term). Hours to be arranged.

Explores the origins, dynamics, and consequences of social movements from a sociological perspective. Examines a wide range of topics including: emergence of movements, recruitment and leadership, interactions of movements of the media, political elites and the broader public, tactics (e.g. nonviolent direct action, litigation), and the factors contributing to the success and failure of movements. Cases covered include the mobilization of racial and ethnic groups, women's movements, conservative/right-wing movements and environmental activism.

Note: Expected to be given in 2001–02. Counts for introductory concentration requirement.

Replaces Sociology 106.

Cross-listed Courses

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations]

Quantitative Reasoning 36. Statistics and Public Policy

[Social Analysis 38. Social Stratification]

Social Analysis 54. American Society and Public Policy

Tutorials

***Sociology 91r. Supervised Reading and Research**

Catalog Number: 4449

Mary C. Waters and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in sociology under the supervision of teaching staff in the department. A graded supervised course of reading and research on a topic not covered by regular courses of instruction.

Note: Students negotiate topics on their own. A final paper must be filed in the undergraduate office.

***Sociology 96. Individual Community Research Internship**

Catalog Number: 7425

Mary C. Waters and staff.

Half course (fall term; repeated spring term). Fall: W., 7–9 p.m.; Spring: First Meeting

Required Wednesday, January 31, 2001: 4–6 or W., 4–7. EXAM GROUP: Spring: 9

Community Research Internships give students the opportunity to use the methods and ideas of sociology in the process of learning about and trying to deal with practical problems faced by communities and other social actors in society at large. Students are individually placed with community organizations and agencies where they carry out research on topics of concern to those organizations and agencies. Classwork focuses on instruction in the methods and philosophy of fieldwork.

Note: Specific positions and projects vary from term to term, and are available largely on a first-come, first-served basis to students approved by the Head Tutor. Interested students should



consult the Head Tutor's office about the nature and availability of internships at or before the beginning of the term. Both concentrators and nonconcentrators are welcome to apply. First meeting required.

***Sociology 97. Sophomore Tutorial**

Catalog Number: 5079

Mary C. Waters

Half course (spring term). Hours to be arranged; First Meeting Required, W., 2-4, January 31st.

Introduces concentrators to sociological theory. Aims to give students a critical understanding of selected classic and contemporary theories and to explore the relative merits of these theories from an empirical standpoint. In the first part of the term, students read influential statements about sociological theory and its relationship to research, and learn how researchers construct, evaluate, and modify theory. Readings focus especially on the classical theories of Marx, Weber, and Durkheim. In the second part of the term, students read theoretical pieces by contemporary sociologists. Readings focus on works that particularly reflect the theoretical concerns of the earlier classic thinkers.

Note: Required of and limited to concentrators, ordinarily sophomores.

***Sociology 98. Junior Tutorial**

Catalog Number: 5943

Mary C. Waters and members of the department.

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 7, 8

Small group research projects centered on common topics that vary by seminar and year. Recent topics have been on migration; science and society; advancing research and social policies in Afro-America; controversies of ideology and social knowledge; ethnic and racial identity; and sex and race in employment.

Note: Required of and limited to concentrators, ordinarily juniors.

***Sociology 99. Senior Tutorial**

Catalog Number: 6237

Mary C. Waters and members of the Department

Full course. Hours to be arranged.

Supervision of theses or other honors projects.

Note: Limited to concentrators, ordinarily seniors. In addition, students of Sociology 99 may also enroll in a fall term only, optional, regularly scheduled weekly group seminar for consultation and discussion about choice of problems, possible data, and research procedures.

For Undergraduates and Graduates

[Sociology 103. Environment and Society]

Catalog Number: 6928

David J. Frank

Half course (spring term). Hours to be arranged.

One of the profound changes of the 20th century is the rise of the belief that human society is embedded in a physically sustaining natural environment — an ecosystem. In this course, we explore alternatives to the ecosystem model, and then look at how social structures have been



theorized to affect the “ecosystem” and vice-versa.

Note: Expected to be given in 2001–02.

Sociology 106. Social Movements: Conference Course

Catalog Number: 5820

Mark J. Zimny

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Provides a general overview and an examination of various theoretical arguments on social and political movements. The primary emphasis is on the relevance of state and state society relations to the rise and eventual outcomes of a social or political movement. Discussion focuses on the nature of why and how various forms of collective action and social movements emerge and evolve over time. Particular attention is devoted to the organizational characteristics of a social movement and the tendency toward oligarchy which sometimes develops among the leadership of established social movements. Among the social movements evaluated with regard to these themes are the labor movement, the Solidarity movement in Poland, the Civil Rights movement, political movements in France, the student uprisings in China in 1989, the Women’s movement, and various other movements in both an international and domestic context.

Sociology 107. The American Family

Catalog Number: 9124

Martin K. Whyte

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

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 109. Schooling and Society]

Catalog Number: 1481

Aage B. Sørensen

Half course (spring term). Hours to be arranged.

The social context of educational processes and their influence on inequality of educational opportunity. Includes consideration of the role of family background, race, and ethnicity; the organization of schools; and the organizational differentiation of students into tracks and ability groups. Draws on historical and comparative materials as well as contemporary U.S. studies.

Note: Expected to be given in 2001–02.

***Sociology 110. Sociological Approaches to Income and Wealth: Conference Course**

Catalog Number: 2404

Mariko Chang

Half course (spring term). W., 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?



Sociology 114. The Experiences of Asian Americans: Sociological Perspectives

Catalog Number: 1512

Vivian S.M. Louie (Yale University)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Introduces the experiences of Asian Americans, particularly immigrants and their children, and how they fit into America's evolving multi-racial and multi-ethnic society. Topics to be covered include historical and contemporary immigration patterns; class divisions and ethnic communities; images and stereotypes; and socio-economic and educational outcomes.

[Sociology 116. Professions and Disciplines]

Catalog Number: 1305

Libby Schweber

Half course (fall term). Hours to be arranged.

Uses the sociological literature to trace changes in the representation and organization of professions and disciplines in modern society. Topics include bases of professional authority, professions and ethics, public images, the consequences of bureaucratization, the relation between the professions and the state and different types of knowledge/power relations. Special attention is paid to the cases of medicine, law, and the social sciences in the United States.

Note: Expected to be given in 2001–02.

[Sociology 122. Topics in Racial and Ethnic Relations: Conference Course]

Catalog Number: 7851 Enrollment: Limited to 15. Limited to 15

Mary C. Waters

Half course (spring term). Hours to be arranged.

Examines race and ethnic relations in the United States from a theoretical, historical, and comparative perspective. Surveys topics such as discrimination, prejudice, ethnic conflict, assimilation, intermarriage, generational change, and identity formation and retention. Current controversies over affirmative action, bilingual education, multiculturalism, and immigration restriction will be considered.

Note: Expected to be given in 2001–02.

[Sociology 124. Social Stratification]

Catalog Number: 9219

Mariko Chang

Half course (spring term). Hours to be arranged.

Examines individual and structural explanations for the generation and maintenance of inequality in the United States and the influence of stratification on individuals and groups. Covers status attainment and social mobility; the allocation of societal rewards according to class, race, and gender; the distribution of educational opportunities and cultural capital; and labor market segmentation by race, ethnicity, and gender.

Note: Expected to be given in 2001–02.

***Sociology 128. Paradigms of Social Inquiry**

Catalog Number: 5979

Mary C. Waters

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4



Introduces sociological thinking—what is a sociological problem, how to pose one, what alternative answers might be, how to weigh the evidence. Case studies of sociological research and theorizing. Stresses logic and reasoning, not particular statistical methods.

Note: Prerequisite to Sociology 156. Required of Sociology concentrators. For all other students, permission of instructor required.

[Sociology 129. Political Sociology]

Catalog Number: 2495

Kenneth T. Andrews

Half course (fall 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 2001–02.

***Sociology 130. The Politics of Illness: Conference Course**

Catalog Number: 6220

Jason A. Kaufman

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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.

[Sociology 135. The Caribbean Experience in America]

Catalog Number: 7226

Orlando Patterson

Half course (fall term). Hours to be arranged.

Examines the migratory experiences of Caribbean peoples to the American mainland and their adjustment to American society, politics and culture. Begins with an overview of the different waves of migration of Caribbean peoples from the early 19th century to the present. The experience of different peoples from the region is then explored through case studies focusing on Jamaicans, Puerto Ricans, Cubans, Dominicans, Trinidadians, and Barbadians. Special attention is paid to the economic experiences of these migrants as well as their contributions to American cultural and political life.

Note: Expected to be given in 2001–02.

Sociology 137. Sociology of Identity

Catalog Number: 8433

John Lie (University of Illinois at Urbana-Champaign)

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6



Explores different modes of social identities in the past and in other cultures, and attempts to make sense of the making of the modern identities, whether it is ethnic, gender, or sexual.

Sociology 139. Deviance and Social Control

Catalog Number: 4020

Mark J. Zimny

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

The relationship of social organization to deviant behavior; the identification of deviant behavior and the social response it elicits. Individual, group, and organizational violations of social norms, rules, and laws. Emphasis on the "societal reaction" or "interactionist" approach to deviance. The correctional and causal approach towards deviance, its limitations and alternative ways to address the subject of deviance.

Sociology 144. Immigration and Race: Canada: Conference Course

Catalog Number: 3745

Jeffrey G. Reitz

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the impact of 20th-century immigration in Canada. Topics include the economic, social, cultural; and political impacts of immigration; emerging patterns of race and ethnic relations; and ways in which these have been shaped by Canadian institutions including immigration policy, multiculturalism, education, labor markets, and social welfare.

Sociology 145. Inequality in Industrial Society

Catalog Number: 5125

Jeffrey G. Reitz

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines contemporary trends in social class inequality among the advanced industrial societies: the United States, Canada, European societies, Japan, and Australia. Identifies cross-national variations in inequality trends, and considers how these variations may be related to economic, technological, sociocultural, and institutional differences.

Sociology 148. Introduction to Comparative Societies

Catalog Number: 7287

Vivian S.M. Louie (Yale University)

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Introduces comparative sociology through study of selected social trends in four nations: contemporary China, France, Japan, and the United States. Topics to be covered include economic inequality and social mobility; family life; and the welfare state.

[*Sociology 149. Ethnicity: Comparative and Historical Perspectives: Conference Course]

Catalog Number: 8242 Enrollment: Limited to 20. Limited to 20

Orlando Patterson

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2001–02.

***Sociology 150. The Social Underpinnings of Taste**

Catalog Number: 4638 Enrollment: Limited to 55.

Stanley Lieberman

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 11. EXAM GROUP: 4

Explores contemporary American society through the lens of media, including but not restricted to television, movies, and the internet, and critically examines the social histories of the telephone, the telegraph, radio, theatre, literature, music, and the arts. Special attention is given to the ways in which media both shape and reflect the social contexts in which they are produced and consumed. Draws upon a wide variety of social scientific paradigms in so doing, focusing on topics such as class and cultural consumption, the business dynamics of the art world, the co-optation and subversion of dominant art forms, the impact of information networks on social structure and social development, the sociology of celebrity, and the socio-historical rise of different genres and art forms.

***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 162. Medical Sociology

Catalog Number: 5801

Mary-Jo Del Vecchio Good (Medical School)

Half course (spring term). Tu., Th., at 11.

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.

[*Sociology 165. Science and Culture: Conference Course]

Catalog Number: 3274 Enrollment: Limited to 20. Limited to 20.

Libby Schweber

Half course (spring term). Hours to be arranged.

The last decades witnessed radical changes in the ways in which scholars think about science and culture. These include a shift from the study of high culture and ideas to the study of material culture, practices, and power. This course uses an examination of the parallel development of the Sociology of Science and Cultural Studies to examine these developments. Introduces students to key approaches—including cultural materialism, the Birmingham school, the strong program, the cultural studies of science and postmodernism. Uses this analysis to reconsider the intellectual issues at stake in the “Science Wars” and “Culture Wars.”

Note: Expected to be given in 2001–02.

Sociology 166. Poverty, Public Policy, and Controversy

Catalog Number: 8460

Elizabeth Dodson

Half course (spring term). Tu., Th., 2–3:30.

Explores American poverty, changing social attitudes toward “the poor” and the transformation of government’s role in addressing the conditions and affecting the “behavior” of people in poor and near-poor families. Emphasis will be put on integrating quantitative descriptions of poverty (rates, trends, etc), shifting policy debates, and exploring texts and narratives that reveal how low-income people understand and respond to the conditions of living poor in a wealthy society. Issues of race, ethnicity, gender and stigma will be included. Recent research on low-income working mothers/parents and their children and life in post-welfare America will be explored, with a focus on the broad social effects.

[*Sociology 168. Sociology of Law: Conference Course]

Catalog Number: 8326

Kenneth T. Andrews

Half course (spring term). Hours to be arranged.

Examines law from a sociological perspective. Particular attention will be given to the historical patterns that have shaped law as a social institution and profession. The relationship of law to politics, culture, and the economy will be studied. Specific topics include the role of law in shaping gender, work, race/ethnicity, and social inequality.

Note: Expected to be given in 2001–02.

[*Sociology 183. Prejudice, Politics, and Society: Conference Course]

Catalog Number: 1686 Enrollment: Limited to 20.

Lawrence D. Bobo

Half course (spring term). Hours to be arranged.

This course develops a sociological analysis of the part that race, as well as racial and ethnic



prejudice, plays in politics and larger social dynamics. Models developed in social psychology and political science are also considered in detail. Specific topics of interest include public opinion, voting, and policy making with respect to issues directly concerned with race such as affirmative action, minority electoral representation, and immigration. Also examined is whether similar dynamics influence the politics of crime, welfare reform, and general social spending. *Note:* Expected to be given in 2001–02.

[Sociology 184a. The Origins of Freedom]

Catalog Number: 0478

Orlando Patterson

Half course (fall term). Hours to be arranged.

Examines the origins, meaning, and social significance of freedom in the ancient and medieval West. Attempts to understand the nature of freedom by examining what it has meant to different classes of persons through the major periods of the pre-modern West. Special attention is given to the role of slavery, political and class conflict, and gender relations, as well as Christianity, in the formation and use of freedom as an ideology. The course strongly emphasizes the interplay of socio-economic forces and ideas through analysis of selected primary texts and secondary sources.

Note: Expected to be given in 2001–02.

[Sociology 184b. Freedom and Society in the Modern World]

Catalog Number: 4506

Orlando Patterson

Half course (fall term). Hours to be arranged.

A comparative and historical examination of the meanings and experiences of freedom from early modern times to the present. Freedom is viewed and treated less as an idea and more as a cultural chord with institutional implications. The course examines the ways in which social context and political conflicts led to the reconstruction of the medieval heritage of freedom during critical periods of Western history from renaissance Florence down to contemporary America. It concludes with an overview of the spread of freedom in the non-Western world, and the problems of reconciling it with development strategies and traditional values.

Note: Expected to be given in 2001–02.

[*Sociology 186. Contemporary European Social Theory: Conference Course]

Catalog Number: 7908

Libby Schweber

Half course (spring term). Hours to be arranged.

Examines recent approaches to social theory with special focus on the problems of culture and structure, power and knowledge, processual models and the transition from modernity to post-modernity. Authors to be covered will include: Zygmunt Bauman, Frederik Barth, Pierre Bourdieu, Michel Foucault, and Norbert Elias.

Note: Expected to be given in 2001–02.

Prerequisite: Sociology 97, Social Studies 10 or equivalent.

[*Sociology 188. Lines that Divide: Race, Class, Gender, and Ethnicity in the Ethnographic Tradition: Conference Course]



Catalog Number: 6496 Enrollment: Limited to 25.

Katherine Newman (Kennedy School)

Half course (fall term). Hours to be arranged.

The ethnographic tradition in sociology — its methods, substance, and theoretical contributions — will be explored through the intensive reading of qualitative literature on African-American communities in poverty, working and middle class families in the throes of economic change, elites confronting meritocratic ideologies, women and men contending with changing definitions of gender roles, and ethnic groups struggling to define the meaning (or loss of significance) of their national origins. Race, class, gender, and ethnicity will be examined as theoretical constructs, sources of division, and avenues of potential integration in American culture. Attention will be given to methods of data collection, analysis, and argument in community studies.

Note: Expected to be given in 2001–02.

[*Sociology 189. Culture and Race in the Development of American Society: Conference Course]

Catalog Number: 5208

Orlando Patterson

Half course (fall term). Hours to be arranged.

The role of culture in the development and continuing crisis of race in America is an extremely controversial subject. This course will attempt to clarify the crucial issues in the use of culture as a mode of explanation. We will examine the role of race and culture in the development of American civilization from the period of slavery to the present, and the ways in which cultural factors both enhanced and constrained opportunities for, and the internal resources of, African-Americans.

Note: Expected to be given in 2001–02.

Sociology 191. Cities and Regions: Conference Course

Catalog Number: 6203

Leslie Gwen Cintron

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

Stresses the interaction of societies and their geographies, focusing primarily on historic and current developments in the United States. Considers demography, technology, institutions, ideology, health, the economy, and other factors.

[*Sociology 194. Civic Engagement in American Democracy: Conference Course]

Catalog Number: 8128 Enrollment: Limited to 15.

Theda Skocpol

Half course (spring term). Hours to be arranged.

Reviews theoretical debates and current research about changing patterns of civic engagement, political participation, and group activity in U.S. democracy. Examines historical patterns and transformations since the 1950s. Case studies will be examined, including fraternal associations, the PTA, labor movements, the Civil Rights and environmental movements, the AARP, and the Christian Coalition. Each member will do research, defining a new project or continuing one already underway.

Note: Expected to be given in 2001–02. For juniors, seniors, and graduate students.



Cross-listed Courses

***Afro-American Studies 196. Sociological Perspectives on Racial Inequality in America: Seminar**

Afro-American Studies 196z. Race, Segregation and Inequality

***Afro-American Studies 197. Race, Class and Poverty in Urban America: Seminar**

Psychology 15. Social Psychology

[Psychology 1505. Intergroup Relations]

[Women's Studies 132. Shop 'Til You Drop: Gender and Class in Consumer Society]

Primarily for Graduates

***Sociology 203a. Methods of Quantitative Sociological Research I**

Catalog Number: 3315

Christopher Winship

Half course (fall term). M., W., 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: Sociology 202 or equivalent.

[*Sociology 203b. Methods of Quantitative Sociological Research II]

Catalog Number: 1860

Aage B. Sørensen

Half course (fall term). Hours to be arranged.

Treats longitudinal design and methods for the statistical analysis of longitudinal data with an emphasis on the analysis of change in discrete variables, or event history analysis. Includes an introduction to time series analysis. Both statistical theory and practical applications will be covered.

Note: Expected to be given in 2001–02. 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 2001–02.

Prerequisite: Sociology 203a or permission of instructor.



***Sociology 204. Sociological Theory: Seminar**

Catalog Number: 6189

David J. Frank

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

A survey and critical analysis of sociological theory from the late 19th century through the 1960s. Emphasis placed on the practical application theory, especially its ability to help us formulate explanations to social phenomenon and to develop empirical tests of those explanations.

Note: Required of first-year graduate students in Sociology.

[*Sociology 207. Gender and Sexuality: Seminar]

Catalog Number: 4080

David J. Frank

Half course (spring term). Hours to be arranged.

Argues that “gender” and “sexuality” are neither fixed in reality nor free floating in space but rather institutionalized in a limited set of dynamic cultural and organizational arrangements, such as the state and science. The configuration of these arrangements sets the boundaries within which gender and sexuality have meaning and motivate action in society at large.

Note: Expected to be given in 2001–02.

***Sociology 208. Contemporary Theory and Research: Seminar**

Catalog Number: 6080

John Lie (University of Illinois at Urbana-Champaign)

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Develops tools for the construction of sociological theory. Compares major contemporary sociological theories and their applications to the study of social organization. Emphasis is placed on adjudicating among competing explanations based on evidence and critical assessment of a theory’s logic.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 209. Qualitative Social Analysis**

Catalog Number: 1198

Katherine Newman (Kennedy School)

Half course (spring term). M., 9–11. EXAM GROUP: 2, 3

Examines the main approaches and methodological assumptions in the analysis of non-numerical data by comparative, interpretive, and historical sociologists. Reviews methods of linking and presenting varied data bases and main criteria for establishing validity and reliability in the analysis of field notes, archival, published, and other kinds of qualitative data.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 210. Issues in the Interpretation of Empirical Evidence: Seminar**

Catalog Number: 2882

Stanley Lieberson

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Special problems occur in the interpretation of results based on non-experimental data — whether they are from surveys, historical research, field work, or other sources. These issues



apply to both quantitative and qualitative studies, and are different from those resolved through statistical solutions. We consider the assumptions employed, their appropriateness, and various solutions.

[*Sociology 212. Methods of Historical Macroanalysis]

Catalog Number: 3236

Theda Skocpol

Half course (fall term). Hours to be arranged.

Surveys methods and practices of historical and comparative-historical research in sociology and political science, using exercises and discussions of a variety of contemporary studies. Critically examines the relationships among questions for investigation, research design, and sources of evidence. Various styles of empirical research will be considered. Participants may use this course as occasion for developing research designs for their own projects.

Note: Expected to be given in 2001–02. Open only to graduate students.

Sociology 217. Sociology of Families and Kinship: Seminar

Catalog Number: 8522

Martin K. Whyte

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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 220. Globalization: Seminar]

Catalog Number: 0150

David J. Frank

Half course (fall term). Hours to be arranged.

Argues that globalization is pervasively consequential for contemporary social life. Begins by exploring the substance of globalization, its origins and its economic, political, and cultural dimensions. Then looks at globalization's consequences, particularly for nation-states, organizations, and persons.

Note: Expected to be given in 2001–02.

[*Sociology 221. Immigration, Identity and Assimilation: Seminar]

Catalog Number: 9699 Enrollment: Limited to 15. Limited to 15

Mary C. Waters

Half course (spring term). Hours to be arranged.

Examines the experiences of immigrants who have arrived in the United States since 1965 and their children — the second generation. Patterns of economic, political, and social assimilation, as well as ethnic identity formation will be reviewed. Recent theories and empirical research on the link between identity and economic assimilation will be discussed.

Note: Expected to be given in 2001–02.

[*Sociology 224. Organizational Analysis]

Catalog Number: 8202



Peter V. Marsden

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2001–02.

Sociology 226. Topics in Social Organization

Catalog Number: 9258

Peter V. Marsden

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

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.

[*Sociology 227. Political Sociology: Seminar]

Catalog Number: 6042

Kenneth T. Andrews

Half course (fall term). Hours to be arranged.

Examines the field of political sociology including the theoretical and programmatic statements of classical theorists and recent debates in the field. A wide range of substantive topics will be covered including the state and economy, revolution and warfare, social inequality and policy, democracy and political participation, social movements and interest groups.

Note: Expected to be given in 2001–02.

[*Sociology 232. Social Movements: Seminar]

Catalog Number: 1333

Kenneth T. Andrews

Half course (spring 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 2001–02.

Sociology 237. Contemporary Chinese Society: Seminar

Catalog Number: 4320

Martin K. Whyte

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13



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 239. Racial Identity, Politics, and Public Policy: Seminar]

Catalog Number: 3877

Lawrence D. Bobo

Half course (fall term). Hours to be arranged.

This course will examine theory and research on the contemporary dynamics of race and ethnicity in an increasingly multicultural U.S. Topics to be covered will include work on racialization and racial formation; whiteness and white identity; identity formation and change among Blacks, Latinos, and Asians; disputes among and between racial minority groups (e.g., African-American and Korean-American conflict); political disputes over welfare reform, affirmative action and immigration policy; and the modern identity based challenges for progressive political coalitions. Course materials will span research by sociologists, political scientists, and social psychologists.

Note: Expected to be given in 2001–02.

Sociology 244. Topics in Economic Sociology

Catalog Number: 8692

Mariko Chang

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Introduction to the field of economic sociology at the graduate level. The course is structured around 3-5 “sub-topics” within the economic sociology literature. This structure should permit a nice balance between breadth and depth, while permitting graduate students to explore material in greater detail than would be feasible in most introductory courses at the graduate level.

Sociology 248. Race, Politics, and Social Inequality

Catalog Number: 8035

Lawrence D. Bobo

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Examines the place where race, public will, and policy-making intersect and reviews theories of race-making and racial inequality, the dynamics of public opinion, and the effects of a racialized public sphere on social policy. Focused attention will center on the shaping of the welfare state, crime and the criminal justice system, and the social and political dynamics of an increasingly multiethnic society.

[*Sociology 249. Race and Public Policy: Seminar]

Catalog Number: 5727

Orlando Patterson

Half course (fall term). Hours to be arranged.

The seminar will examine the socio-economic and cultural dimensions of racial inequality in the United States. Both the external and institutional factors accounting for inequality as well as the internal problems of black social life and culture will be examined. We will also explore the political and economic consequences of various policies aimed at reducing inequality such as affirmative action. Particular attention will be given to family structure and gender relations and



to the policies relating to them. All points of view will be considered.

Note: Expected to be given in 2001–02.

***Sociology 250. Culture: Current Issues in the Study of Taste: Seminar**

Catalog Number: 4641

Stanley Lieberman

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Reviews and evaluates both theoretical and empirical efforts to understand the social context in which tastes operate in daily life. Focus is on existing debates and new directions in this area. Although not required, students can use the seminar to develop their current projects in this area, or to develop new ones.

***Sociology 251. Gender and Organizations: Seminar**

Catalog Number: 4645

Barbara F. Reskin

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Examines the role of gender in work organizations, with an emphasis on current research. Considers the effects of organizational practices on women's and men's work opportunities and rewards, factors that affect organizations' sex composition, and the effects of sex composition of organizational outcomes.

Prerequisite: Graduate standing and a graduate level class in multivariate statistics.

[*Sociology 255. Social Stratification: Seminar]

Catalog Number: 3839

Half course (spring term). Hours to be arranged.

Examines recent research by sociologists and economists on how family background, race, gender, cognitive skills, schooling, age, and experience affect economic status. Also contrasts economic and sociological explanations for the overall level of economic inequality.

Note: Expected to be given in 2001–02.

Prerequisite: Sociology 203a or equivalent.

***Sociology 259. Civic Engagement: Theories, Research, and Strategies**

Catalog Number: 8759

Theda Skocpol and Marshall Louis Ganz

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Surveys theories and empirical research about civic engagement in the United States and other democracies, and considers practical strategies attempted by movements and actors seeking to enhance civic participation. Each seminar member will develop a research project or proposal.

Prerequisite: Permission of the instructor required.

[*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 2001–02.

[*Sociology 275. Social Network Analysis]

Catalog Number: 6899

Peter V. Marsden

Half course (spring term). Hours to be arranged.

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 2001–02.

[*Sociology 290. Sociological Field Methods]

Catalog Number: 4613

Gwendolyn Dordick

Half course (fall term). Hours to be arranged.

An intensive exploration of strategies, practices, and problems in the sociological investigation of natural settings with a principal focus on gaining practical experience in the field. In addition to smaller exercises, students will complete two significant research projects. Classroom time will be spent analyzing and debriefing issues that arise in the course of conducting these projects.

Note: Expected to be given in 2001–02. Open to all graduate students 2nd year and above.

***Sociology 296a. Proseminar on Inequality and Social Policy I**

Catalog Number: 6231 Enrollment: Limited to 18.

Christopher Jencks (Kennedy School)

Half course (fall term). Th., 3:30–5:30. EXAM GROUP: 17, 18

Deals with the causes of economic inequality, including demand for various kinds of skills, the supply of such skills, cultural differences, political attitudes, political institutions, and living arrangements.

Note: Jointly offered with the Kennedy School as HLE-511.

***Sociology 296b. Proseminar on Inequality and Social Policy II**

Catalog Number: 0193 Enrollment: Limited to 18.

Christopher Jencks (Kennedy School)

Half course (spring term). Th., 3:30–5:30. EXAM GROUP: 17, 18

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: Jointly offered with the Kennedy School as HLE-512.

Cross-listed Courses



***Government 3006. Research Workshop in Comparative Politics: The Performance of Democracies**

***Government 3009. Research Workshop in Applied Statistics**

***Psychology 2630. Social Behavior in Organizations: Seminar**

Graduate Courses of Reading and Research

[*Sociology 300. Workshop on “Race,” Minority Studies and Public Policy]

Catalog Number: 6654

Orlando Patterson 1091 (on leave 2000-01)

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2001–02.

***Sociology 301. Special Reading and Research**

Catalog Number: 4017

Christopher Winship 3189, Kenneth T. Andrews 3604 (on leave fall term), Lawrence D. Bobo 2919, Mariko Chang 1563 (on leave 2001-02), Leslie Gwen Cintron 3738 (fall term only), Elizabeth Dodson 1735 (spring term only), Gwendolyn Dordick 3011 (on leave 2000-01), David J. Frank 1893 (on leave spring term), Marshall Louis Ganz, Mary-Jo Del Vecchio Good (Medical School) 7721, Christopher Jencks (Kennedy School) 2160 (on leave 2001-02), Jason A. Kaufman 2147, Stanley Lieberman 1937, Vivian S. Louie (Yale University) 3794 (spring term only), Peter V. Marsden 1797, Katherine Newman (Kennedy School) 2651, Orlando Patterson 1091 (on leave 2000-01), Jeffrey G. Reitz 3736, Barbara F. Reskin 3640, Libby Schweber 3018 (on leave 2000-01), Theda Skocpol 1387, Aage B. Sørensen 7967 (on leave 2000-01), Ezra F. Vogel 2273, Mary C. Waters 1498, and Martin K. Whyte 3737 (spring term only)

***Sociology 302. Direction of Doctoral Dissertations**

Catalog Number: 5021

Kenneth T. Andrews 3604 (on leave fall term), Lawrence D. Bobo 2919, James A. Davis 4939 (fall term only), Gwendolyn Dordick 3011 (on leave 2000-01), David J. Frank 1893 (on leave spring term), Joseph Galaskiewicz (University of Minnesota) 3017 (fall term only), Mary-Jo Del Vecchio Good (Medical School) 7721, Christopher Jencks (Kennedy School) 2160 (on leave 2001-02), Barry V. Johnston 7895 (fall term only), Nazli Kibria (Boston University) 3016 (fall term only), Martyn Edward Kingston 9022 (fall term only), Stanley Lieberman 1937, Peter V. Marsden 1797, Katherine Newman (Kennedy School) 2651, Francie L. Ostrower 2591 (fall term only), Orlando Patterson 1091 (on leave 2000-01), Lee Rainwater 2304 (fall term only), Barbara F. Reskin 3640, Libby Schweber 3018 (on leave 2000-01), Theda Skocpol 1387, Aage B. Sørensen 7967 (on leave 2000-01), Yasemin Soysal 3010 (fall term only), Ezra F. Vogel 2273, Mary C. Waters 1498, Martin K. Whyte 3737 (spring term only), and Christopher Winship 3189
Members of the Department and others listed under Sociology 301 direct doctoral dissertations.

[*Sociology 303a. Advanced Topics in Quantitative Research]

Catalog Number: 5636



Christopher Winship 3189

Half course (fall term; repeated spring term). Hours to be arranged.

Examines current methodological scholarship in sociology with an eye to assessing its quality and potential for advancing quantitative methods within the discipline. Recently published and unpublished work examined.

Note: Expected to be given in 2001–02.

***Sociology 305. Teaching Practicum**

Catalog Number: 0259

Mary C. Waters 1498 and staff

Half course (fall term). F., 12–2.

Note: Normally limited to Teaching Fellows and Section Leaders in Sociology. Attendance at first meeting is required.

***Sociology 306r. Colloquium in Sociology**

Catalog Number: 4818

Barbara F. Reskin 3640

Half course (fall term; repeated spring term). Th., 12–2.

A seminar for advanced graduate students that provides a forum for presentation of their research, especially dissertation research. Only graduate students in sociology may register for credit. Students registered for credit must make a seminar presentation during the term.

***Sociology 307 (formerly *Sociology 297). Workshop on Social Policy**

Catalog Number: 0137

Katherine Newman (Kennedy School)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Students who have completed Sociology 296a or 296b may enroll in this workshop where they will develop their papers from the previous year's course into professional presentations and publishable articles, critique fellow student papers across disciplines, and discuss at length the presentation of national experts who appear in the seminar on inequality and social policy.

Note: Jointly offered with the Kennedy School as HLE-513.

Prerequisite: Sociology 296a or 296b (or HLE-511 or HLE-512 at the Kennedy School) or by permission of Instructor.

***Sociology 310r. Colloquium in Social Movements, Politics, and Religion**

Catalog Number: 1316

Jason A. Kaufman 2147

Half course (fall term; repeated spring term). Fall: W., 12–2; Spring: Th., 4–6 Spring: Hours to be arranged. EXAM GROUP: Spring: 18

Bi-weekly colloquium for graduate students that examines social movements, politics and religion. Students will participate in meetings and present original research.



South Asian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on South Asian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*) (*on leave spring term*)
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Culture (*on leave 2000-01*)
Pramod Chandra, George P. Bickford Professor of Indian and South Asian Art (*on leave fall term*)
Diana L. Eck, Professor of Comparative Religion and Indian Studies
William A. Graham, Jr., Professor of the History of Religion and Islamic Studies and Murray A. Albertson Professor of Middle Eastern Studies
Charles Hallisey, John L. Loeb Associate Professor of the Humanities (*on leave 2000-01*)
Stephanie W. Jamison, Gardner Cowles Associate Professor of Sanskrit and Indian Studies
Jay H. Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*on leave spring term*)
Sheila S. Jasanoff, Professor of Science and Public Policy (*Kennedy School, Public Health*) (*on leave 2001-2002*)
Devesh Kapur, Associate Professor of Government
Arthur Kleinman, Professor of Medical Anthropology in the Faculties of Medicine and Arts and Sciences (*on leave 2000-01*)
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 (*on leave spring term*)
Pratap Bhanu Mehta, Associate Professor of Government and of Social Studies
Roy Mottahedeh, Gurney Professor of History (*on leave fall term*)
Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature (*on leave spring term*)
V. Kasturi Rangan, Professor of Business Administration (*Business School*)
Peter P. Rogers, Gordon McKay Professor of Environmental Engineering
Stanley J. Tambiah, Esther and Sidney Rabb Professor of Anthropology
Frank E. Vogel, Assistant Professor of Law (*Law School*)
Calvert Watkins, Victor S. Thomas Professor of Linguistics and the Classics
Jeffrey G. Williamson, Laird Bell Professor of Economics (*on leave 2000-01*)
Irene J. Winter, William Dorr Boardman Professor of Fine Arts (*on leave fall term*)
Michael Witzel, Wales Professor of Sanskrit
Richard Wolf, Assistant Professor of Music



Nur Yalman, Professor of Social Anthropology and of Middle Eastern Studies (*on leave spring term*)

The Committee on South Asian Studies is a multidisciplinary group of scholars appointed to coordinate teaching and research on South Asia (Bhutan, Bangla Desh, India, Maldives, Pakistan, Nepal, Sri Lanka, and the neighboring areas) among Harvard's departments and schools and is concerned with the planned development of South Asian Studies in the University as a whole. It sponsors lectures, seminars, conferences, films, and exhibitions on South Asia. Its various interdisciplinary seminars are open to all students and faculty members. There is no separate degree program, but degrees can be sought in the Department of Sanskrit and Indian Studies, which offers undergraduate concentrations in both Sanskrit Studies and Indian Studies. Advanced degrees (A.M., Ph.D.) are only offered in Sanskrit and Indian Studies combined, requiring the student to study advanced Sanskrit. Other departments and programs affiliated with the South Asia Committee may also offer degrees; applicants should contact those departments directly.

The courses listed below deal directly or indirectly with the study of South Asia. A more detailed description of these courses may be found in this catalog under the appropriate department or committee. Other relevant courses are listed in the catalogs of the schools of Business, Divinity, Education, Public Health, Law, and the Kennedy School of Government.

Anthropology [145], 152, 205a, 205b, [273], 311, 323, 324

Comparative Literature 207

Economics [1361], 1366, [1368], 1390, 2390b, 2390d

English 168

History of Art and Architecture [18d], 183k, [184x]

Hindi, see Urdu 101, 102, 103r, 104, 300

History of Science [212]

Indian Studies 91r, 98r, 99, [111], 205a, [205b], [206], [211], [215hf], [216], 302

Linguistics 122, 220ar

Literature and Arts [C-18]

Nepali 101

Pali [101a], [101b], 102a, [102b], 103r, 300

Persian 140ar, 140br



Religion 13, [14], 1025, [1026], [1551], [1555], 1585, 1600, 1605, [2660]

Sanskrit 98r, 101a, 101b, 102a, 102b, 200ar, 200br, [201ar], [202r], [206r], [207a], 207b, 208r, 214, [215], 301, 310

Social Analysis 36

Tibetan and Himalayan Studies 101a, 101b, [103], 104a, 104b, [105a], [105b], [106], 200a, [201], [202], 203a, 207a, [210], [212], 300, 302, 305

Thai [101a], [101b], [102a], [102b], [103r], 300 Urdu 101, 102, 103r, [104], [300]

Visual and Environmental Studies 154ar

Special Concentrations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Special Concentrations

Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy (*Chair*)

Allan M. Brandt, Professor of the History of Science (*FAS*) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*)

Peter Buck, Senior Lecturer on the History of Science

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Director of Undergraduate Studies*)

Robert Kiely, Harvard College Professor and the Donald P. and Katherine B. Loker Professor of English

Stephen M. Kosslyn, John Lindsley Professor of Psychology

Arthur L. Loeb, Senior Lecturer on Visual and Environmental Studies

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*on leave spring term*)

Sandra Naddaff, Senior Lecturer on Literature

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering

Otto T. Solbrig, Bussey Professor of Biology, Acting Director of the David Rockefeller Center for Latin American Studies

Philip Stone, Professor of Psychology (*on leave 2000-01*)

Richard Wolf, Assistant Professor of Music



Application forms and information on completing petitions for Special Concentrations may be obtained from the Committee's office, University Hall B-2.

Primarily for Undergraduates

***Special Concentrations 91r. Supervised Reading and Research**

Catalog Number: 2815

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to Special Concentrations concentrators who wish to pursue supervised study for graded credit in an area not covered by courses currently offered by regular Departments and Committees. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 96r. Senior Projects**

Catalog Number: 0829

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for seniors in their final semester completing their senior project to meet the Basic (rather than Honors) requirements for concentration. May be repeated with the permission of the Director of Undergraduate Studies and the Faculty Adviser. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 97r. Tutorial — Sophomore Year**

Catalog Number: 2660

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by honors sophomores.

***Special Concentrations 98r. Tutorial — Junior Year**

Catalog Number: 2497

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion two terms of *Special Concentrations 98r are ordinarily required of all honors concentrators in their junior year. Exceptions to this can only be granted with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 99. Tutorial — Senior Year**

Catalog Number: 3294

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Either half year may be taken as a half



course only with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations. Graded SAT/UNS.

Statistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Statistics

Donald B. Rubin, Professor of Statistics (*Chair*)
John Barnard, Lecturer on Statistics
Arthur P. Dempster, Professor of Theoretical Statistics
Jun S. Liu, Professor of Statistics
Carl N. Morris, Professor of Statistics (*Director of Graduate Studies*)
Clyde H. Schoolfield, Jr., Lecturer on Statistics
David van Dyk, Associate Professor of Statistics (*Head Tutor*)
Steve C. Wang, Lecturer on Statistics
Wesley Philip Wong, Teaching Fellow in Physics

Other Faculty Offering Instruction in the Department of Statistics

Frederick Mosteller, Professor of Mathematical Statistics, (*Emeritus*), (*FAS*), Roger Irving Lee
Professor of Mathematical Statistics (*Public Health*) (*Emeritus*)
Bernard Rosner, Professor of Medicine (*Medical School*)
Alan Zaslavsky, Associate Professor of Statistics (*Medical School*)

In 2000–2001, the Statistics Department offers four courses at the introductory level (below Statistics 110). Statistics 100 and 101 are essentially equivalent in terms of their quantitative requirements, but differ in the amount of emphasis placed on different techniques and applications. Statistics 100 emphasizes regression, including multiple regression, which is essential in economics and related fields. Statistics 101 emphasizes analysis of variance, which is widely used in experimentally oriented subjects such as psychology and biology. Statistics 104 combines the content of Statistics 100 and 101, and moves somewhat faster than these courses, assuming a stronger quantitative orientation. Statistics 102 is comparable to Statistics 104 in its technical level, but is specifically oriented toward biomedical applications and techniques.

Generally, Statistics 104 and 101 will be accepted as fulfilling any requirement or prerequisite which is fulfilled by Statistics 100. Consult the Statistics Department or your tutorial office for more information about which courses satisfy your concentration requirements, and for guidance



on selecting a course. More detailed information can be accessed through the network at the Statistics Department home page at www.harvard.edu/~stats/.

Primarily for Undergraduates

***Statistics 91r. Supervised Reading and Research**

Catalog Number: 6641

David van Dyk and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Normally may not be taken more than twice; may be counted for concentration in Statistics if taken for graded credit; may be taken in either term; for further information consult with head tutor.

***Statistics 99hf. Tutorial — Senior Year**

Catalog Number: 4381

David van Dyk and members of the Department

Half course (throughout the year). Hours to be arranged.

The systematic application of statistical ideas to a problem area.

Note: In exceptional circumstances, may be taken alternatively as a half course in the spring term only.

For Undergraduates and Graduates

Statistics 100. Introduction to Quantitative Methods

Catalog Number: 3808

Clyde H. Schoolfield, Jr. (fall term) and Steve C. Wang (spring term)

Half course (fall term; repeated spring term). M., W., F., at 11, and a section meeting to be arranged. EXAM GROUP: 4

Introduces the key ideas underlying statistical and quantitative reasoning, including fundamentals of probability. Topics may include elements of sample surveys, experimental design and observational studies, descriptive and summary statistics for both measured and counted variables, and statistical inference including estimation and tests of hypotheses as applied to one- and two-sample problems, regression with one or more predictors, correlation, and analysis of variance. Emphasizes simple and multiple regression and applications in nonexperimental fields including, but not limited to, economics.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104.

Statistics 101. Introduction to Quantitative Methods

Catalog Number: 5128

Steve C. Wang

Half course (fall term). M., W., F., at 11, and a section meeting to be arranged. EXAM GROUP: 4

Covers the same topics as Statistics 100. Emphasizes the analysis of variance, applied in experimental fields such as psychology and other behavioral sciences.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104.



Statistics 102. Fundamentals of Biostatistics

Catalog Number: 0266

Bernard Rosner (Medical School)

Half course (spring term). M., W., F., at 11, and section meeting to be arranged. EXAM GROUP: 4

An introduction to statistical methods used in biological and medical research. Elementary probability theory, basic concepts of statistical inference, sampling theory, regression and correlation methods, analysis of variance, study design. Emphasis on applications to medical problems.

Note: Primarily for undergraduates with medical or biological interests.

Statistics 104. Introduction to Quantitative Methods

Catalog Number: 4582

David van Dyk

Half course (fall term). M., W., F., at 11, and a section time to be arranged. EXAM GROUP: 4

Covers the same topics as 100 and 101 combined, at a slightly higher level. Applications will be drawn from fields such as economics, behavioral and health sciences, policy analysis, and law.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104.

Statistics 110. Introduction to Probability

Catalog Number: 0147

Clyde H. Schoolfield, Jr.

Half course (fall term). M., W., F., at 12, and a section meeting to be arranged. EXAM GROUP: 5

A first course in probability pointed toward applications, for students with some calculus. Models include the normal, binomial, exponential, Poisson and gamma distributions. Topics include expectation, independence, conditioning, generating functions, joint distribution and density functions, and limit laws.

Prerequisite: Mathematics 21a or equivalent.

Statistics 111. Introduction to Theoretical Statistics

Catalog Number: 1836

Arthur P. Dempster

Half course (spring term). M., W., F., at 12, and a section meeting to be arranged. EXAM GROUP: 5

Basic concepts of statistical inference from frequentist and Bayesian perspectives. Topics include maximum likelihood methods, confidence and Bayesian interval estimation, hypothesis testing, least squares methods, and analysis of variance.

Prerequisite: Statistics 110 and basic linear algebra.

Statistics 139. Regression Analysis

Catalog Number: 1450

Steve C. Wang

Half course (fall term). Tu., Th., 10–11:30, and a section meeting to be arranged. EXAM GROUP: 12, 13

An introduction to data analysis using multiple regression. Topics may include model building



and diagnostics, graphical checks of assumptions, transformations, multivariate graphics and visualization, exploratory data analysis, tests of significance and confidence intervals, and logistic regression. The course will emphasize analysis and investigation of real datasets using computer software.

Prerequisite: Statistics 100 or equivalent.

Statistics 149. Generalized Linear Models

Catalog Number: 6617

John Barnard

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to the application and theory of generalized linear models. Emphasis is on understanding models and applying them to data. Topics include likelihood theory, exponential families, model specification, model checking and diagnostics, logistic and ordinal regression, log-linear models, quasi-likelihood, generalized estimating equations, and generalized linear mixed models. Applications are drawn from a variety of fields, including medicine, biology, and the social sciences.

Prerequisite: Statistics 111 or equivalent and Statistics 139 or equivalent.

Statistics 160. Survey Methods

Catalog Number: 2993

Alan Zaslavsky (Medical School)

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 8, 9

Methods for design and analysis of sample surveys. Techniques for sample design, with examples from some widely used current surveys. Estimation methods (including calculation and use of sampling weights) and variance estimation methods (including resampling methods). Several guest lectures on nonstatistical aspects of survey methodology such as questionnaire design and validation. Other topics include variance estimation for complex surveys and estimators, nonresponse, missing data, and small-area estimation.

Prerequisite: Statistics 111 or 139, or permission of instructor.

Statistics 171. Introduction to Stochastic Processes

Catalog Number: 4180

Jun Liu

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

An introductory course in stochastic processes. Topics include Markov chains, branching processes, Poisson processes, birth and death processes, renewal theory, queuing theory, Brownian motion, and Martingales.

Prerequisite: Statistics 110 or equivalent.

Statistics 181. Time Series Analysis

Catalog Number: 1593

Arthur P. Dempster

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A survey of models and analysis methods giving roughly equal time to temporal domain, frequency domain, and nonlinear (including chaotic) systems. Coverage will be broad rather than deep, and will include current developments such as hidden Markov models, multipaper methods



of spectral estimation, and methods for assessing Lyapunov coefficients.

Prerequisite: Statistics 111 or equivalent.

[Statistics 185. Statistical Decision and Forecasting]

Catalog Number: 6788

David van Dyk

Half course (spring term). Hours to be arranged. EXAM GROUP: 6

The development of a Bayesian approach to the related problems of decision and forecasting. Decision topics will include utility, loss, decision rules, risk, admissibility of decision rules, and decision theoretic aspects of sequential analysis. Forecasting will be developed through the dynamic linear model and include topics such as sequential analysis and smoothing; models for polynomial trends, seasonal trends, and adjustment for covariates; and forecast intervention, monitoring, and error analysis. Theory and computational methods will be developed with a strong emphasis on applications to a variety of data sets.

Note: Expected to be given in 2001–02.

Prerequisite: Statistics 110 or 139 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., 1–2:30. EXAM GROUP: 15, 16

Random variables, their distributions and densities. Families and exponential families of distributions. Expectation. Independence, product spaces, and joint distributions. Types of convergence. Limit theorems (weak and strong laws, central limit problem). Conditional probability and expectation, multivariate Normal distribution, particular examples of conjugate, marginal, and conditional distributions. Inequalities, approximations, and stochastic simulation. Sampling distributions, likelihood function, sufficiency, and information.

Prerequisite: A course in probability and statistics at least at the level of Statistics 110, 111.

Statistics 211. Probability Theory and Statistical Inference II

Catalog Number: 1946

Carl N. Morris

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to statistical inference. Frequency, Bayesian, and decision-theoretic approaches. Likelihood, sufficiency, multivariate Normal distribution, and exponential families. Testing hypotheses and estimation. Maximum likelihood estimation, likelihood ratio tests, linear models, models for frequency data, large and moderate sample approximations, including the delta method.

Prerequisite: Advanced calculus, Statistics 210, or equivalent.

Statistics 214. Causal Inference in Statistics and the Social and Biomedical Sciences

Catalog Number: 4042

Donald B. Rubin

Half course (fall term). M., 1–3:30. EXAM GROUP: 6, 7, 8



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 220 (formerly Statistics 220r). Bayesian Data Analysis

Catalog Number: 6270

David van Dyk

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Begins with basic Bayesian models, whose answers often appear similar to classical answers, followed by more complicated hierarchical and mixture models with nonstandard solutions. Includes methods for monitoring adequacy of models and examining sensitivity of conclusions to change in models. Throughout, emphasis on drawing inferences via computer simulation rather than mathematical analysis.

Prerequisite: Statistics 110 and 111.

Statistics 221. Statistical Computing Methods

Catalog Number: 5959

David van Dyk

Half course (spring term). Th., 1–2:30, M., 1–3:30. EXAM GROUP: 6, 7, 8, 15, 16

A study of computing methods commonly used in statistics. Topics include generation of random numbers, Monte Carlo methods, optimization methods, numerical integration, and advanced Bayesian computational tools such as the Gibbs sampler, Metropolis Hastings, the method of auxiliary variables, marginal and conditional data augmentation, slice sampling, exact sampling, and reversible jump MCMC. Computer programming exercises apply the methods discussed in class.

Prerequisite: Linear algebra, Statistics 111, and knowledge of a computer programming language. Statistics 220 is recommended.

[Statistics 230. Multivariate Analysis]

Catalog Number: 4626

Half course (spring term). Hours to be arranged.

A survey of multivariate analysis. Normal distribution theory, estimation, and hypothesis testing. Multivariate techniques, including cluster analysis, multidimensional scaling, principal component analysis, discriminant analysis, and multiple regression. These techniques are applied to data sets.

Note: Expected to be given in 2001–02.

[Statistics 232 (formerly Statistics 332). Incomplete Multivariate Data]

Catalog Number: 4196

John Barnard

Half course (fall term). M., F., 2–3:30. EXAM GROUP: 7, 8

Methods for handling incomplete data sets with general patterns of missing data, emphasizing likelihood-based and Bayesian approaches. Focus is on the application and theory of iterative maximization methods, iterative simulation methods, and multiple imputation. Includes coverage of some multivariate tools and theory relevant to missing data problems. Real examples are



drawn from a variety of fields, including health sciences, history of science, and government.

Note: Expected to be given in 2001–02.

Prerequisite: A course in probability (Statistics 110-level), a course in theoretical statistics (Statistics 111-level), and knowledge of regression and linear algebra (Statistics 139-level).

Statistics 239. Advanced Regression Analysis

Catalog Number: 7423

John Barnard

Half course (fall term). Tu., Th., 10–11:30, M., 7–9 p.m. EXAM GROUP: 1, 12, 13

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.

Prerequisite: Probability and statistics at the level of Statistics 110 and 111.

[Statistics 271. Stochastic Processes in Continuous Time]

Catalog Number: 9993

Arthur P. Dempster

Half course (fall term). Hours to be arranged.

Modeling and statistical analysis for Gaussian processes governed by stochastic differential equations with applications to control engineering and financial modeling.

Note: Expected to be given in 2001–02.

Statistics 292r (formerly Statistics 292hfr). Topics in Statistics

Catalog Number: 0925

Donald B. Rubin

Half course (fall term; repeated spring term). W., 2–3:30. EXAM GROUP: 7, 8

A range of currently active projects. All involve real applications and require mathematical statistical development. Applications include education, census, political science, biomedical research. Techniques include design of experiments, Bayesian modelling, multiple imputation.

Cross-listed Courses

Economics 2110 (formerly Economics 2110a). Quantitative Methods

Economics 2120. Introduction to Applied Econometrics

Economics 2131. Applied Econometrics

Economics 2140 (formerly Economics 2140b). Econometric Methods

Economics 2142 (formerly Economics 2140d). Time Series Analysis

***Government 3009. Research Workshop in Applied Statistics**

Mathematics 212a. Functions of a Real Variable

Mathematics 212b. Functions of a Real Variable

Graduate Courses of Reading and Research

***Statistics 301. Special Reading and Research**

Catalog Number: 4474



John Barnard 1916, Arthur P. Dempster 2345, Jun S. Liu 3760, Carl N. Morris 2178, Frederick Mosteller 2235, Bernard Rosner (Medical School) 4018, Donald B. Rubin 7966, Clyde H. Schoolfield, Jr. 2440, Steve C. Wang 2581, Wing H. Wong (Public Health) 3759, Alan Zaslavsky (Medical School) 1927, and David van Dyk 2669

***Statistics 302. Direction of Doctoral Dissertations**

Catalog Number: 3382

John Barnard 1916, Arthur P. Dempster 2345, Jun S. Liu 3760, Carl N. Morris 2178, Bernard Rosner (Medical School) 4018, Donald B. Rubin 7966, Wesley Philip Wong, Alan Zaslavsky (Medical School) 1927, and David van Dyk 2669

[Statistics 311. Recent Advances in Markov Chain Monte Carlo Technology]

Catalog Number: 0826

David van Dyk 2669

Half course (fall term). Hours to be arranged.

Starting with a review of such standard techniques as Data Augmentation, the Gibbs sampler, and Metropolis Hastings, the course will focus on recent research papers on such topics as adaptive rejection sampling, the method of auxiliary variables, simulated tempering, the collapsed Gibbs sampler, marginal and conditional data augmentation, the nested EM algorithm, slice sampling, exact sampling, simulated sintering, reversible jump MCMC, regeneration, and sequential MC methods.

Note: Expected to be given in 2001–02.

Prerequisite: Statistics 220 or equivalent.

***Statistics 315a. Computational Biology and Bioinformatics**

Catalog Number: 2351

Jun S. Liu 3760 and Wesley Philip Wong

Half course (fall term). Hours to be arranged.

***Statistics 315b. Computational Biology and Bioinformatics**

Catalog Number: 0553

Jun S. Liu 3760

Half course (spring term). Hours to be arranged.

Note: Will meet at the School of Public Health.

***Statistics 317. Research Seminar**

Catalog Number: 1478

Arthur P. Dempster 2345

Half course (spring term). Hours to be arranged.

A review of current writing by leading scholars in the areas of logic of events, assumption-based reasoning, and causality associated with statistical models and inference.

***Statistics 325. Topics in Probability and Statistics**

Catalog Number: 9348

Carl N. Morris, Jun S. Liu, and Clyde H. Schoolfield, Jr.

Half course (spring term). Hours to be arranged.



***Statistics 349r. Analysis of Psychological Data: Issues and Examples**

Catalog Number: 4528

Donald B. Rubin 7966

Half course (fall term; repeated spring term). Fall: Th., 12–2.

Consulting projects on statistical problems arising in psychological and related research areas.

Participants expected to contribute actively to one or more projects.

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 and
Director of the Davis Center for Russian Studies

Grzegorz Ekiert, Professor of Government (*on leave spring term*)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Edward L. Keenan, Andrew W. Mellon Professor of History and Director of Dumbarton Oaks

Terry D. Martin, John L. Loeb Associate Professor of the Social Sciences (*on leave fall term*)

The Standing Committee on Ukrainian Studies was created by vote of the Faculty on October 29, 1974, to facilitate the systematic study of and coordinate work on Ukrainian subjects throughout the departments of the University. No degree specifically in Ukrainian Studies is offered on either the undergraduate or the graduate level. Students wishing to obtain a higher degree in a particular discipline of Ukrainian Studies, such as language, literature, politics, or history, should first fulfill all the requirements of the department of their scholarly discipline (departments of Government, History, Linguistics, or Slavic Languages and Literatures). Only then should they proceed to the fulfillment of specific qualifications in the Ukrainian aspect of their disciplines under the supervision of the Committee's faculty. The weekly, interdisciplinary Seminar in Ukrainian Studies serves to introduce the methodology, analysis, and specific aspects of Ukrainian disciplines. Attendance at the seminar, therefore, is a prerequisite for any further study.

Working in cooperation with the graduate students and faculty of the Ukrainian Research Institute, founded in June 1973, the Committee sponsors events and activities of interest to specialists in Ukrainian studies. The Institute also maintains a research library and publications



office. Specific questions concerning Ukrainian Studies and requests for the pamphlet describing Ukrainian Studies at Harvard should be addressed to the Director of the Institute, at 1583 Massachusetts Avenue, Cambridge, MA 02138.

Primarily for Graduates

***Ukrainian 200. Ukrainian Studies: Seminar**

Catalog Number: 7927

Roman Szporluk, Michael S. Flier, George G. Grabowicz and staff

Full course. M., 4–6. EXAM GROUP: 9

Interdisciplinary seminar concentrating on methodological aspects of the Ukrainian disciplines. Seminar members and guests from other departments of the University and other universities discuss specific topics from analytical and comparative perspectives. Covers history, philology, linguistics, literature, Orientalism, art, sociology, economics, and political science.

Cross-listed Courses

Comparative Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course

[History 1511 (formerly History 1537). 19th-Century Ukraine]

History 1512 (formerly History 1541). 20th-Century Ukraine

History 1515 (formerly History 1542). States and Nations: 1905-1991: Conference Course

Linguistics 250. Old Church Slavonic

Slavic Ga. Beginning Ukrainian I

Slavic Gb. Beginning Ukrainian II

***Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian**

Slavic 125. Modern Russian in Historical Perspective

[Slavic 165. Survey of Modern (19th- and 20th-Century) Ukrainian Literature]

Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course

[Slavic 201. Introduction to East Slavic Languages]

[Slavic 222. 20th-Century Ukrainian Poetry, 1905 to World War II]

Slavic 223. 19th-Century Ukrainian Poetry

[Slavic 292. 20th-Century Ukrainian Prose]

Visual and Environmental Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Visual and Environmental Studies



Ellen Phelan, Professor of the Practice of Studio Arts in Visual and Environmental Studies
(*Chair*)

Giuliana Bruno, Professor of Visual and Environmental Studies

Jim Dow, Visiting Lecturer on Visual and Environmental Studies (*spring term only*) (*fall term only*)

Stephen Ellis, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

Lorraine Ferguson, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts

Susan Hauptman, Visiting Lecturer on Visual and Environmental Studies (*fall term only*) (*spring term only*)

Bruce Jenkins, Senior Lecturer on Visual and Environmental Studies

Mani R. Kaul, Visiting Lecturer on Visual and Environmental Studies, Visiting Lecture on Visual and Environmental Studies

Chris Killip, Professor of Visual and Environmental Studies

H. Peik Larsen, Lecturer on Visual and Environmental Studies

Annette Lemieux, Visiting Lecturer on Visual and Environmental Studies

Arthur L. Loeb, Senior Lecturer on Visual and Environmental Studies

Charles Long, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

Boris Mikhailov, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts (*Head Tutor*)

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*on leave spring term*)

Stephen Mueller, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

William P. Reimann, Senior Preceptor in Visual and Environmental Studies

Alexis Rockman, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Richard P. Rogers, Senior Lecturer on Visual and Environmental Studies

Judith Joy Ross, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Peter Schjeldahl, Visiting Lecturer on Visual and Environmental Studies

Joel Shapiro, Associate of the Department of Visual and Environmental Studies, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Sage Sohler, Lecturer on Visual and Environmental Studies

John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development

Paul Stopforth, Visiting Lecturer on Visual and Environmental Studies

Robert V. Storr, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Patrick Strzelec, Rudolf Arnheim Lecturer on Studio Arts

Wendy Tilby, Visiting Lecturer on Visual and Environmental Studies

Carrie Mae Weems, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Other Faculty Offering Instruction in the Department of Visual and Environmental Studies

J. Michael Griggs,

Isaac Julien, Visiting Lecturer on Afro-American Studies and on Visual and Environmental Studies (*spring term only*)

Eric Rentschler, Professor of German

Many courses in Visual and Environmental Studies are subject to limitation of enrollment. No pre-enrollments are accepted; apply at first class meetings. VES concentrators in studio courses



are expected to attend the Thursday evening lectures. Ordinarily courses numbered 1-10 precede higher numbered two-digit courses. Admission to all three-digit courses is by permission of the instructor. VES concentrators must complete four one- or two-digit courses by the end of the sophomore year. Attention is also called to courses listed in the catalog of the Graduate School of Design and the MIT Institute for Advanced Visual Studies.

Primarily for Undergraduates

***Visual and Environmental Studies 2abr. 2-D Black and White Design: Beginning Studio**

Catalog Number: 7472 Enrollment: Limited to 12.

Ellen Phelan

Half course (spring term). Tu., 6–9 p.m., W., 9–12. EXAM GROUP: 2, 3, 4

Through short assignments, longer projects, slide talks, and informal critiques, this class will provide a firm foundation in the abstract principles of organization that underlie all forms of pictorial representation. This is a basic vocabulary course that is very useful for intelligent development of future art work in all media.

***Visual and Environmental Studies 3abr. 3-D Artmaking and Design: Beginning Studio Course**

Catalog Number: 0442 Enrollment: Limited to 12.

Patrick Strzelec

Half course (spring term). M., 6–9 p.m., Tu., 1–4. EXAM GROUP: 15, 16, 17

Students will work with an assortment of tools, techniques, and materials to solve specific 3-dimensional problems and basic sculpture concerns. The course will be based on spatial thinking that deals with point, line, plane, mass, balance, and form.

***Visual and Environmental Studies 4aar. Color and Meaning: Beginning Studio Course**

Catalog Number: 4682 Enrollment: Limited to 12.

Stephen Mueller

Half course (fall term). F., 9–12, Th., 1–4. EXAM GROUP: 2, 3, 4, 15, 16, 17

A basic study of two-dimensional design and the optical and psychological effects of color. The class will focus on the basics of mixing and using color. Historical theories of color as well as contemporary semiotics of color content will be explored. The emphasis will be on interaction of color in the most basic aspects of proportion and direction rather than drawing. Through exercises in observation and recording of color and use of color as vocabulary, students will explore this sometimes unpredictable aspect of visual communication. Assignments and studio work will be done in water-based mediums. Basic tenets of good two-dimensional design will be explored.

***Visual and Environmental Studies 7abr. Design of the Page: Graphic Design and Typography: Beginning Studio Course**

Catalog Number: 0502 Enrollment: Limited to 12.

Lorraine Ferguson

Half course (spring term). M., 6–9 p.m., F., 9–12. EXAM GROUP: 2, 3, 4

Students will learn to use type expressively so that it both is an image and powerfully communicates a message. Beginning with basic elements, we will gradually add levels of



complexity (variable type weights, sizes, styles, color, and other elements, including illustrations). We will analyze historical examples of “page” designs (as in books, posters, banners, tickets, labels, signs, maps, advertisements, etc.) that are content-driven, taking into account message, function, and audience, and will critique formal qualities of composition, proportion, contrast, and color as they relate to the overall concept and visual and semantic effectiveness.

[*Visual and Environmental Studies 10aar. Fundamentals of Drawing: Studio Course]

Catalog Number: 7057 Enrollment: Limited to 20.

William P. Reimann

Half course (fall term). Hours to be arranged.

Studio problems develop the draftsman’s way of knowing through observation, formulation, and articulation. Class discussions develop visually oriented critical ability. Numerous drawing media are introduced. Outside assignments are a regular part of the course, extending studio projects to encourage independent experiment and individual exploration.

Note: Expected to be given in 2001–02.

***Visual and Environmental Studies 10aaxr. Fundamentals of Drawing: Beginning Studio Course**

Catalog Number: 4704 Enrollment: Limited to 12.

Paul Stopforth

Half course (fall term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

Using a variety of graphic media, this course will develop responses and explore possibilities in the process of drawing. A diverse range of hand made and found objects will function as source materials for much of the course in which observation, structural principles, and expressive procedures will be articulated in the making of drawings. Individual and group discussion will focus on work in progress. There will be occasional slide presentations and museum visits.

***Visual and Environmental Studies 10abr. Fundamentals of Drawing: Studio Course**

Catalog Number: 5332 Enrollment: Limited to 20.

William P. Reimann

Half course (spring term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11, 12, 13

Studio problems develop the draftsman’s way of knowing through observation, formulation, and articulation. Class discussions develop visually oriented critical ability. Numerous drawing media are introduced. Outside assignments are a regular part of the course, extending studio projects to encourage independent experiment and individual exploration.

[*Visual and Environmental Studies 10b. Intermediate Drawing.: Studio Course]

Catalog Number: 1763 Enrollment: Limited to 20.

William P. Reimann

Half course (spring term). Hours to be arranged.

Continuation and extension of VES 10a. Studio problems are viewed against drawing traditions and conventions, raising questions of value and interpretation. Field trips and required independent work demand selectivity and judgement to compose using more complex media. Emphasis on individual growth and cultivation of self-critical ability.

Note: Expected to be given in 2001–02.



Prerequisite: VES 10a or equivalent preparation (to be validated by portfolio presentation and interview).

***Visual and Environmental Studies 11abr. Fundamentals of Figures Study: Studio Course**

Catalog Number: 7311 Enrollment: Limited to 15.

William P. Reimann

Half course (spring term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

Study of the figure by drawing from the model and from other sources. The basis for further work includes, but is not limited to, simplified osteological drawings, elementary studies in three dimensions, from observation of human and other skulls, parts, assemblies, concluding with the whole skeleton. A unit on gross topographic anatomy will follow. Daily outside related assignments are designed to build skills in graphically managing mass, achieving a degree of control over landscape space, and in designing and composing the page. Students should bring a portfolio of previous work to the first class. Recommended preparation: minimum of a term's work in basic drawing.

***Visual and Environmental Studies 15aar. Fundamentals of Printmaking: Studio Course**

Catalog Number: 8651 Enrollment: Limited to 12.

H. Peik Larsen

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

A hands-on investigation of transfer processes and use of printmaking materials. Woodcut, intaglio, photoetching, and monotype will be explored, mostly in black and white.

Note: No previous printmaking experience required.

***Visual and Environmental Studies 15abr. Silkscreen: Beginning Studio Course**

Catalog Number: 0844 Enrollment: Limited to 12.

Annette Lemieux

Half course (spring term). M., W., 9–12. EXAM GROUP: 2, 3, 4

For the student who is interested in the manipulation of found and original imagery. Students will create monotypes on paper and other surfaces utilizing the silkscreen process. Via slide presentations the class will be introduced to the work of artists such as Rauschenberg, Warhol, Polke, and others who use the silkscreen process.

***Visual and Environmental Studies 20aar. Painting with Attitude: Beginning Studio Course**

Catalog Number: 4153 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (fall term). M., 1–5 and 6–8 p.m. EXAM GROUP: 6, 7, 8, 9

This is a foundation level painting class. This semester the emphasis is on Landscape Painting. We will work with other traditional subjects as well, (the body and objects) working through the 20th century to learn how to handle space, light, and color in painting. This is a demanding studio course using demonstrations, slide talks, critique, paint handling exercises, and problem solving.

Prerequisite: A college level drawing class or portfolio.



***Visual and Environmental Studies 20abr. Grounds for Painting: Beginning Studio Course**

Catalog Number: 3106 Enrollment: Limited to 12.

Paul Stopforth

Half course (spring term). Tu., Th., 1–4. EXAM GROUP: 15, 16, 17

Through a range of explorative processes this course will function as a ground within which a variety of painterly possibilities are constructed. The emphasis will be on the practice of painting in developing relationships to material, mark, surface, color, pictorial ambiguity, and meaning. Individual and group discussions will focus on work in progress; there will be occasional slide presentations and museum visits.

***Visual and Environmental Studies 20bbr. Painting with Attitude Again: Beginning Studio Course**

Catalog Number: 2204 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). M., 1–5 and 6–8 p.m. EXAM GROUP: 6, 7, 8, 9

This is a continuation of 20aar. Using the second half of the 20th century we will begin with DeKooning and Gorky and work our way through the edicts of modernism to contemporary issues. This is a hands-on painting course with a reader and very specific assignments, with an emphasis on interior space and the body. Slide talks, critique, demonstrations, and amazing studio assignments will make this class demanding.

Prerequisite: VES 20aar or another college-level painting class.

***Visual and Environmental Studies 30aar. Fundamentals of Sculpture: Studio Course**

Catalog Number: 6594 Enrollment: Limited to 12.

Patrick Strzelec

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

Students will explore traditional and non-traditional methods of sculpture making. The focus will be on working in the studio with various materials, techniques, and processes, utilizing a hands-on approach in order to develop a personal vision. Museum and gallery visits will be included, providing a broader context and understanding of the medium.

***Visual and Environmental Studies 30abr. Fundamentals of Sculpture: Studio Course**

Catalog Number: 7185 Enrollment: Limited to 12.

Patrick Strzelec

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7, 8

Same as VES 30aar above.

***Visual and Environmental Studies 40ar. Fundamentals of Still Photography: Studio Course**

Catalog Number: 2010 Enrollment: Limited to 50.

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 (Section 2) and Sage Sohler (Section 1)

Half course (spring term). Section I: M., W., 1–4; Section II: Tu., Th., 1–4. EXAM GROUP: 6, 7, 8

Designed to extend the student's understanding of the process through which meaning is produced in photography. Examines differing approaches to format, context, and presentation through a series of set projects.

Prerequisite: VES 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 and Alfred F. Guzzetti (fall term only)

Full course. M., W., 1–5; or Tu., Th., 1–5. EXAM GROUP: 6, 7, 8

Introductory exercises in live-action filmmaking culminating in the production of a nonfiction film as a group project in the spring term.

***Visual and Environmental Studies 51ar (formerly *VES 51a). Small-Format Video: Introductory Studio Course**

Catalog Number: 7526 Enrollment: Limited to 10.

Richard P. Rogers

Half course (spring term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17

A series of nonfiction projects, both individual and collaborative, designed to introduce and explore the range of expressive possibilities in small-format video.

***Visual and Environmental Studies 51br (formerly *Visual and Environmental Studies 51b). Small-Format Video: Studio Course**

Catalog Number: 3838 Enrollment: Limited to 10.

Richard P. Rogers

Half course (fall term). Tu., Th., 1–5. EXAM GROUP: 15, 16, 17

Continuation of VES 51a but may be taken separately with permission of the instructor. Each student plans, shoots, and edits a video tape of his/her design. Readings, screenings, and class exercises augment individual work.

Note: Students seeking to enroll should come to the first class meeting with an idea and a production plan for a video tape to be completed in the course.

Prerequisite: Prerequisites for admission are VES 51a, or another course in live action film or video.

***Visual and Environmental Studies 53a. Film Animation: Beginning Studio Course**

Catalog Number: 1360 Enrollment: Limited to 12.

Wendy Tilby

Half course (fall term). Tu., 7–9 p.m., Th., 1–5. EXAM GROUP: 15, 16, 17, 18

An introduction to a wide range of animation ideas and techniques through screenings, discussions, and projects. Emphasis will be on concept, aesthetics, and experimentation. Students will produce a series of short works with synchronized sound and learn ways to use frame-by-



frame filmmaking as a means of creative expression and communication. Course includes presentations from visiting artists. Drawing skills not necessary.

***Visual and Environmental Studies 53b. Film Animation: Intermediate Studio Course**

Catalog Number: 5284 Enrollment: Limited to 12.

Wendy Tilby

Half course (spring term). Tu., 7–9 p.m., Th., 1–5. EXAM GROUP: 15, 16, 17, 18

Each student will complete a short animated film. Emphasis will be on concept, storyboard, projection strategy, and editing. Exploration of animation ideas and techniques through discussions and screenings will continue.

Prerequisite: VES 53a.

For Undergraduates and Graduates

Visual and Environmental Studies 100abr. Art As—Idea? Image? Object? Situation? All of the Above

Catalog Number: 0730

Robert V. Storr

Half course (spring term). W., at 1, and sections to be arranged.

Traditional categories of artistic practice have blurred. While the techniques and conventions of painting, sculpture, and other media might once have been clearly distinguishable from one another, today many artists approach their work with far fewer certainties and far less concern for the “intrinsic” nature of their expressive means. Moreover, the reception of contemporary art by the public, critics, and theoreticians may at any point emphasize one aesthetic dimension over another and sometimes to the deliberate exclusion of another such that an object may be read for its implicit text or a printed sentence may be examined only for its formal qualities. This course will explore the paradoxes and contradictions of contemporary art making and art interpretation with special attention to those artists such as Joseph Beuys, Louise Bourgeois, Bruce Nauman, Mike Kelley, Matthew Barney, and others whose multi-faceted production has tested our inherited concepts of the formal limits of art.

***Visual and Environmental Studies 107. Studies of the Built North American Environment since 1580**

Catalog Number: 7883 Enrollment: Limited to 40.

John R. Stilgoe

Half course (fall term). 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 111aar. Figure Drawing: Intermediate Studio Course**

Catalog Number: 1265 Enrollment: Limited to 12.

Susan Hauptman

Half course (fall term). M., 1–5, 6–8. EXAM GROUP: 6, 7, 8, 9



Intensive studio concentration in the analysis and representation of the human form with an emphasis on the formal and abstract properties of depiction and the defining role of light. Narrative and metaphor are explored and a series of slide talks address the genre with a particular emphasis on contemporary representation of the body, from Lucien Freun to Cindy Sherman.
Prerequisite: VES 10a and 10b, or portfolio presentation.

***Visual and Environmental Studies 112aar. Mixed Media: Beginning Studio Course**

Catalog Number: 8268 Enrollment: Limited to 12.

Annette Lemieux

Half course (fall term). Tu., Th., 8:30–11:30. EXAM GROUP: 10, 11, 12, 13

For the student who is interested in creating works on paper using a variety of materials and methods. Via slide presentations the class will be introduced to the work of artists who work with mixed media.

***Visual and Environmental Studies 120abr. Ideas in Paint: Intermediate Studio Course**

Catalog Number: 8087 Enrollment: Limited to 12.

Alexis Rockman

Half course (spring term). W., 6–9 p.m., Th., 8:30–11:30. EXAM GROUP: 10, 11, 12

A studio painting course that will address the issues of light, space, color, and structure in painting. Discussion and slide presentation, trips to museums, and a few Art Historical texts will form the basis of the class. This course is geared for students beginning to develop their own studio practice.

***Visual and Environmental Studies 122aar. Landscape Painting: Intermediate Studio**

Catalog Number: 3230 Enrollment: Limited to 12.

Stephen Ellis

Half course (fall term). W., 1–5, 6:30–8:30 p.m. EXAM GROUP: 6, 7, 8, 9

This course will combine painting both in the studio and outdoors with an examination of the character and evolution of some of the major traditions of landscape painting in Asia, Europe, and the United States.

Prerequisite: VES 20 or presentation of portfolio.

***Visual and Environmental Studies 130aar. A Course in Obstacles: Sculptural Objects that Change Culture. Intermediate Sculpture Studio Course**

Catalog Number: 4186 Enrollment: Limited to 12.

Charles Long

Half course (fall term). M., 6–9 p.m., Tu., 1–4. EXAM GROUP: 15, 16, 17

In the studio we will begin with exploring sculpture's elemental identity, the object, by discovering the associations latent in materials, forms, and context as a way of constructing and/or deconstructing ideas. Through slide presentations, readings, and critiques, we will survey modern sculpture in the last century as it develops into the expanded field of cultural practices such as installation and actions. Students will follow this trajectory in the studio as we work with such situational contexts as site and the body while questioning our relationship as artists to the present cultural landscape of spectacle and entertainment.



***Visual and Environmental Studies 130abr. Inside Out. Intermediate/Advanced Sculpture Studio Course**

Catalog Number: 4596 Enrollment: Limited to 12.

Joel Shapiro

Half course (spring term). W., 9–12, Tu., 6–9 p.m. EXAM GROUP: 2, 3, 4

We will explore the possibility of translating thought into form. The course will focus more on process, less on technique, and will consist of individual assignments and group endeavors that support the realization that abstract form can communicate. The course is intended for more advanced students and admission will be based on interview and portfolio review.

***Visual and Environmental Studies 131. Designing for the Stage: Studio Course**

Catalog Number: 1116 Enrollment: Limited to 12.

J. Michael Griggs

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Students prepare and present for criticism stage design projects based on play texts that suggest varying interpretive and stylistic problems. Focus is on examining ideas through research of visual material and analysis of text. Through their design projects, students also complete assignments in perspective drawing, drafting, model making, and lighting design. Students at all levels of skill are welcome.

[*Visual and Environmental Studies 132. Projects in Stage Design: Studio Course]

Catalog Number: 7533 Enrollment: Limited to 12.

J. Michael Griggs

Half course (spring term). 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 2001–02.

***Visual and Environmental Studies 140ar. Color Photography: Studio Course**

Catalog Number: 0842 Enrollment: Limited to 12.

Sage Sohler

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

A comprehensive introduction to photographing in color. The emphasis on the course will be on producing a body of photographic work using color, negative, and print technology. Attention will also be paid to color transparency materials, color theory, and the history of color photography over the last 25 years.

Prerequisite: VES 40ar or 40br or portfolio presentation.

***Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course**

Catalog Number: 2835 Enrollment: Limited to 12.

Boris Mikhailov

Half course (fall term). W., 6–9 p.m., Th., 8:30–11:30. EXAM GROUP: 10, 11, 12

Explores the ways in which some photographic practitioners have questioned accepted photographic conventions and are rejecting the historical orthodoxy in favor of a more subjective



statement. Each student is expected to complete a major photographic project that reveals his or her own personal photographic style and preoccupations while still retaining a direct and discernible relationship to the subject.

Prerequisite: VES 40a and 40b or portfolio presentation.

Visual and Environmental Studies 144br. A History of Photography: The 19th Century

Catalog Number: 6161

Jim Dow

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A one-semester general survey of photography from its pre-history to World War I. All aspects of the medium will be covered, with an emphasis on the vernacular in content and the visual in presentation. In addition to encyclopedic coverage of the period, there will be considerable reference to recent practice. While all students will be expected to do visually-based projects (not necessarily photographic), as well as papers, the class is intended for a university-wide audience.

***Visual and Environmental Studies 146br. Contemporary Photographic Practice**

Catalog Number: 5743 Enrollment: Limited to 12.

Chris Killip

Half course (spring term). M., 6–9 p.m. additional hours to be arranged. EXAM GROUP: 6, 7, 8

This course will examine the practical, sociological, historical, and aesthetic issues surrounding contemporary photography in parallel with the active participation of each student in his/her own photographic project.

Prerequisite: VES 40ar, VES 40b, or portfolio presentation.

***Visual and Environmental Studies 147ar. Large Format Photography: Studio Course**

Catalog Number: 1578 Enrollment: Limited to 12.

Chris Killip

Half course (fall term). M., 6–9 p.m., Tu., 8:30–11:30. EXAM GROUP: 10, 11, 12, 13

A comprehensive course in large format photography, i.e., formats other than 35mm. Particular emphasis will be placed on the constructive photograph and contemporary strategies relating to the portrait and landscape photograph.

Prerequisite: VES 40a, VES 40b or portfolio presentation.

***Visual and Environmental Studies 150ar. Film Production: Intermediate Studio Course**

Catalog Number: 4692 Enrollment: Limited to 12.

Mani R. Kaul

Half course (fall term). M., W., 1–4. EXAM GROUP: 6, 7, 8

Working individually or in small groups, students will make their own documentary, fiction, or experimental films, exploring the nature of a cinematographic event beyond conceptions of its converging spatial closure. The question of duration as suggestive of part-whole relationship will play a more decisive role than the traditional structuring of space. In addition there will be a group project consisting of rounds of exchange of short film-haiku's between students, equivalent to call and response in music, revealing possible poetic ways of organizing brief cinematographic events

Prerequisite: VES 50.



***Visual and Environmental Studies 150br. Film Production: Intermediate Studio Course**

Catalog Number: 3934 Enrollment: Limited to 12.

Mani Kaul

Half course (spring term). M., W., 1–4. EXAM GROUP: 6, 7, 8

A continuation of the work of VES 150ar.

Prerequisite: VES 150ar.

***Visual and Environmental Studies 151ar. Narrative/Collage/Performance: Intermediate Video Studio Course**

Catalog Number: 7965 Enrollment: Limited to 12.

Yvonne Rainer

Half course (spring term). Tu., 6–9, W., 1–5. EXAM GROUP: 6, 7, 8, 9

Using body and voice we will attempt to extrapolate performative, visual, and graphic fragments from film/video screenings and readings informed by post-structural feminism, queer and post-colonial theory, as well as from daily life, autobiography, the news, and interactions between participants in the course itself. Emphasis will be on collaboration, culminating in a hybrid video show that will replicate, reconstruct, or reconfigure the materials, minutiae, and issues covered or that may spontaneously arise during the sessions. Participants will be expected to engage as readers, writers, performers, videographers, spectators, editors of each others' contributions, and creative consultants. "Keep in mind the value of mistakes, failures, interruptions, breakdowns, interferences, accidents, incompletions, muddles, mix-ups (not to be justified later as chaos or entropy)."

Prerequisite: VES 51a or 51b.

***Visual and Environmental Studies 151br. Experiments in Video: Studio Course**

Catalog Number: 6247 Enrollment: Limited to 10.

Alfred F. Guzzetti

Half course (fall term). F., 1–5:30. EXAM GROUP: 6, 7, 8, 9

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 152ar. Women and Film: Production and Criticism]

Catalog Number: 3161 Enrollment: Limited to 40.

Giuliana Bruno

Half course (spring term). Hours to be arranged.

A survey of film history and aesthetics that highlights the contribution of women, from the origin of cinema to recent production. How do women make, and write about, cinema? How does this change the way we look at, and read, images? Comparative analysis of filmic texts is combined with a study of film history and theory, including feminist theory. This work questions image making in relation to film making, film viewing, and film criticism.

Note: Expected to be given in 2001–02. Expected to be omitted in 2002–03.


[*Visual and Environmental Studies 152br. Italian Cinema]

Catalog Number: 8324

Giuliana Bruno
Half course (spring term). Hours to be arranged.

Examines the creative impact of Italian cinema in relation to other national cinemas, in the context of Italian culture. What is the place of Italian cinema in film history? What defines a “national” cinema? Begins with the aesthetic and political canons of Neorealism and moves toward contemporary times. Analyzes, among others, the innovative and unconventional views of Rossellini, Fellini, Antonioni, and Visconti, and the film theory and practice of Pasolini, and contemporary independent film.

Note: Expected to be given in 2001–02.

[*Visual and Environmental Studies 153br. The Poetic Documentary: Lecture/Seminar Course]

Catalog Number: 5580 Enrollment: Limited to 40.

Isaac Julien
Half course (spring term). W., 1–4; Screenings: Tu., at 5.

This class utilizes cultural theory to look at documentaries with a specific emphasis on their politics of race and representation and the importance of experimental aesthetic strategies. We look at a range of documentary genres including ethnographic, (Flaherty, Rouch); auteurist (Marker, Ivens); postcolonial (Akomfrah, Julien, Minh-Ha); gay/lesbian (Marshall, Livingstone) as well as the British documentary movement (Jennings, Wright), and the Soviet and German avant-gardes (Vertov, Ruttmann), which were the foundations of this strategy. These films problematize conventional distinctions between documentary “fact” and narrative “fiction,” using fantasy to present history, race, and sexuality.

Note: Expected to be given in 2001–02.

Visual and Environmental Studies 154br. Frames of Mind: Introduction to Film Theory and Film Analysis

Catalog Number: 0648

Giuliana Bruno
Half course (spring term). Th., 10–11:30; Screenings: W., at 6:30 p.m.; Additional section F., at 10 or 11. EXAM GROUP: 12, 13

A basic introduction to the language of film theory, aimed at developing analytic skills to interpret films. We offer a historical survey that spans from turn-of-the-century scientific motion studies to the emotion studies of Hugo Münsterberg, and reaches the virtual movements of our new millennium. We consider Eisenstein’s theory of montage, the cultural history of the cinematic apparatus, and the body of physical existence, going from Kracauer to gender studies. Different theoretical positions open up our understanding of films, and guide us in reading them. Particular attention is paid to theories that enable close analysis of films. In considering cultural transformation, for example, we test Walter Benjamin’s view of the age of mechanical reproduction vis-à-vis its contemporary representation in the film *The Matrix*.

Note: Recommended as preparation for VES 155ar and VES 155br.

***Visual and Environmental Studies 155ar. Film Architectures: Seminar Course**

Catalog Number: 6864 Enrollment: Limited to 12.



Giuliana Bruno

Half course (fall term). W., 2–4; Screenings: Tu., at 7 p.m. EXAM GROUP: 7, 8

What is our experience of architecture in cinema? Considering the relation of these two arts of space, we look at how film and architecture are linked in history on the “screen” of the modern age. Highlighting the interaction of modernity, urban culture, and cinema, we explore the architecture of film in relation to the architectures of transit and the culture of travel. Emphasis is on readings as well as analysis of case study to pursue research projects and make presentations to the seminar. Case study centers on the cine city, with focus on the architecture of theatres, starting from the era of the movie palace.

Note: Active participation in seminarial endeavors is required. Ideally followed with VES 155br.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

***Visual and Environmental Studies 155br. A Cultural Study of Film: Mapping and Fashioning Space: Seminar Course**

Catalog Number: 7760 Enrollment: Limited to 12.

Giuliana Bruno

Half course (spring term). W., 2–4; Screenings: Tu., at 6:30 or 7 p.m. (to be arranged.). EXAM GROUP: 7, 8

The impulse to map (ourselves) is a major drive of contemporary visual culture. Since Fredric Jameson’s call for “cognitive mapping”, and artists’ return to the art of mapping, cultural studies regard mapping as a critical navigational route. Our cultural history of film looks at this moving field. How does the moving image participate in the shifting architectonics of visibility, space, and the body? How is the body “fashioned” in inner and outer space? Emphasis on readings and case study of relevant films to pursue research projects and make presentations to the seminar. Case study includes the culture of fashion in film.

Note: Active participation in seminarial endeavors is required. May be taken as a continuation of VES 155ar.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

***Visual and Environmental Studies 156ar. Film Animation Workshop: Intermediate Studio Course**

Catalog Number: 5211 Enrollment: Limited to 12.

Wendy Tilby

Half course (fall term). Tu., 7–9 p.m., W., 2–5, and additional hours to be arranged. EXAM GROUP: 7, 8, 9

Advanced animation ideas, techniques, and exercises which will lead to the conception and pre-production of a short film. Course includes screenings, in-depth discussion of ideas, and presentations from visiting artists.

Prerequisite: VES 53a or 53b, or equivalent preparation.

***Visual and Environmental Studies 156br. Film Animation: Intermediate Studio Course**

Catalog Number: 3477

Wendy Tilby

Half course (spring term). Tu., 7–9 p.m., W., 2–5, and additional hours to be arranged. EXAM GROUP: 7, 8, 9



The production and completion of a film with ongoing class discussions and individual review.
Prerequisite: VES 156ar or equivalent preparation.

Visual and Environmental Studies 157ar. New German Cinema: Oppositional Energies and Utopian Designs

Catalog Number: 8774

Eric Rentschler

Half course (fall term). M., W., (F.), at 11; Screenings: M., 4-6 p.m. EXAM GROUP: 4

In 1962 twenty-six angry young German directors announced their resolve to revive a moribund national film culture. “New German Cinema” would gain acclaim in the 1970s for interventions marked by subversive narrative strategies and unique formal approaches. We will examine features, shorts, and documentaries by Fassbinder, Herzog, Kluge, Schlöndorf, Straub/Huillet, von Trotta, and Wenders, probing these films’ aesthetic shapes as well as their socio-political and theoretical implications.

Note: Expected to be omitted in 2001–02.

Prerequisite: No knowledge of German required. Readings, films, and discussions in English.

***Visual and Environmental Studies 158ar. The Films of Robert Bresson**

Catalog Number: 9389

Mani R. Kaul

Half course (fall term). Tu., Th., 11:30–; Screenings: Tu., at 5 p.m. EXAM GROUP: 13, 14

A study of Robert Bresson’s films from the perspective of his seminal book, *Notes on Cinematography*, students will explore the “pragmatic spirit” behind Bresson’s aphorisms to discover the cinematographic techniques, in particular the use of sound, he evolved for his films. Students will be expected to attend screenings, participate in class discussions, and submit a paper.

***Visual and Environmental Studies 158br. A History of American Independent Film**

Catalog Number: 8339

Bruce Jenkins

Half course (spring term). M., W., 4–5:30; Screenings: Tu., at 5 p.m.; Section: F., at 10 or 11. EXAM GROUP: 9

This survey course examines the history of alternative practices in narrative cinema in the U.S. produced outside the context of the studio system and often in opposition to dominant forms. Examples from this discontinuous history will be analyzed against the backdrop of the commercial cinema and shifting social, political, economic, and cultural trends across the century. Beginning with the independent movements of the late silent era and continuing through the various “off-Hollywood” and “underground” cinemas of the 1950s and 1960s to the independent feature movement of the 1980s and early 1990s, the course will focus on such topics as the articulation of sexual and racial difference; the influence of artistic movements such as Pop, Beat, Arte Povera, and Minimalism; and challenges to realism in documentary and autobiographical forms.

Visual and Environmental Studies 159ar. The Moving Image: Film and Visual Representation

Catalog Number: 2874 Enrollment: Limited to 40.



Giuliana Bruno

Half course (fall term). Th., 10–11:30; Screenings: W., at 7:00 p.m. and sections F., at 10 or 11.

EXAM GROUP: 12, 13

A survey aimed at developing visual literacy, this introduction to film history looks at major 20th century ideas on art and perception. We examine the invention of film in relation to significant cultural changes in our experience of visual space, and follow the evolution of film as a technique of spatio-visual observation. Addressing socio-sexual space, we see the moving image as product of the age of industrialization and conquest, element of urban culture, and means of imaginary transportation, on the brink of inside-outside. As we analyze case-study films on the subject of home(land), cityscape, and voyage, we provide analytic tools for understanding the language of cinema, and its impact on visual culture.

Note: Recommended as preparation for VES 155ar and VES 155br.

***Visual and Environmental Studies 160. Modernization in the Visual United States Environment, 1890–2035**

Catalog Number: 6668 Enrollment: Limited to 40.

John R. Stilgoe

Half course (spring term). 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 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 175. Design Science: Studio/Seminar**

Catalog Number: 6285

Arthur L. Loeb

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores inductively the arrangement of three-dimensional space. The symmetries and transformations of polyhedra are investigated by constructing and deconstructing study models. Stability, mobility, tensegrity, and dome structures are evaluated, and students are encouraged to apply the principles learned to architectural and sculptural designs. Students experiment with pencils, paper, compasses, straight edges, scissors, exacto-knives, sticks, and joints, to discover concepts before they are named. Rote memorization of definitions is thereby discouraged and seemingly disparate concepts become unified into fundamental principles. Stress on method, experiments, and risk taking. VES 175 and 176 together constitute the fundamental grammar of two- and three-dimensional space.

Note: VES 175 and 176 may be taken independently, and in either order. Offered jointly with the Graduate School of Education as T-126.

***Visual and Environmental Studies 176. Visual Mathematics: Studio/Seminar**

Catalog Number: 5793

Arthur L. Loeb

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Concentrates on the fundamental parameters of structure, primarily in two dimensions. Symmetry theory (e.g., designs by M.C. Escher), dynamic symmetry, the golden section, the Fibonacci series, and spirals are presented visually rather than verbally, but nevertheless rigorously. Students experiment with pencils, paper, compasses, straight edges, scissors, exacto-knives, sticks, joints, and computer graphics, to discover concepts before they are named. Rote memorization of definitions is thereby discouraged and seemingly disparate concepts become unified into fundamental principles. Stress on method, experiments, and risk taking. Students are expected to create a portfolio of their own visual exercises. VES 175 and 176 together constitute the fundamental grammar of two- and three-dimensional space.

Note: VES 175 and 176 may be taken independently and in either order. Offered jointly with the Graduate School of Education as T-127.

***Visual and Environmental Studies 180br. Dolly, DNA, and Identity: Seminar/Workshop**

Catalog Number: 3316 Enrollment: Limited to 10.

Carrie Mae Weems

Half course (spring term). M., 6–9 p.m., Tu., 10:30–1. EXAM GROUP: 12, 13, 14

The essential truths of DNA evidence has freed some and condemned others: it has historians rewriting history. We stand before the cloning of Dolly awe-struck, increasingly mindful of the potential power of biogenetic research. In the wake of this development, how do we as artists respond? In this techno stage where all things are knowable and wondrous are the works of men, what happens to the body? Or has it already smashed to smithereens, leaving behind only a floating intellect as Foucault might suggest? What happens to the issues of race and representation of gender and identity? Or have these issues simply lost all relevance? Using these



questions and issues as the sub-text, students in this course are asked to make works of art that explore this insistent imposition of technology on nature. We will also examine the works of other contemporary artists, filmmakers, and composers—and anybody else we can get our hands on—engaged in mapping the human response to this new technology and the human genome project

Related courses of primary interest to VES concentrators:

[Afro-American Studies 165z. Art of the African Diaspora: Seminar]
[Afro-American Studies 187y. Black Cinema as Genre—From Blaxploitation to Quentin Tarantino]
Classical Archaeology 145. The Representation of Women in Ancient Greece
Foreign Cultures 76. Mass Culture in Nazi Germany: The Power of Images and Illusions
[French 194. Francophone Film, Cinema, and Epic Fiction]
[German 154. Introduction to German Film Studies]
[German 155. Weimar Cinema: The Laboratory of Modernity]
[History of Art and Architecture 15d. Introduction to Italian Renaissance Painting and Sculpture ca. 1260–1600]
[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]
[History of Art and Architecture 171t. Degas: Beyond Impressionism]
[History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]
History of Science 152. Filming Science
[Literature and Arts B-10. Art and Visual Culture: Introduction to the Historical Study of Art and Architecture]

Related courses of special interest:

[Comparative Literature 109. Aesthetic Disgust, Disgusting Aesthetics]
Comparative Literature 168. Literature and Film
Dramatic Arts 30. Design for the Theatre: History and Practice
[Folklore and Mythology 100. An Introduction to Folklore & Mythology]
[French 136. Feminist Literary Criticisms]
[French 175. Julia Kristeva: Introductions and Conclusions]
[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]
Psychology 13. Cognitive Psychology
*Sociology 150. The Social Underpinnings of Taste

Projects and Research

To apply for the following courses, inquire at the Department office.

***Visual and Environmental Studies 97r. Tutorial — Sophomore Year**

Catalog Number: 0450

Nancy Mitchnick (fall term), H. Peik Larsen (spring term) and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Optional for sophomore concentrators. Letter-graded.

***Visual and Environmental Studies 98r. Tutorial — Junior Year**

Catalog Number: 1411

Nancy Mitchnick (fall term), Peik Larsen (spring term), Peter Schjeldahl (spring term) and members of the Department.

Half course (fall term; repeated spring term). To be arranged.

Note: Optional for junior concentrators. Letter-graded.

***Visual and Environmental Studies 99. Thesis/Senior Projects -- Senior Year**

Catalog Number: 7531

H. Peik Larsen (spring term), Nancy Mitchnick (fall term), Peter Schjeldahl and members of the Department

Full course. Spring: Th., 7–9 p.m. EXAM GROUP: Spring: 18

Note: STUDIO concentrators enrolled in VES 99 are required to attend a weekly seminar with Peter Schjeldahl on Thursdays 7-9 p.m. in addition to working with the advisor. A pragmatic seminar about the world of art for prospective participants. Aims are sophistication and inspiration. Writing assignments emphasize description and style. What is an artist? What does an artist do? What good is it? Who cares? Why? Seminar is not limited to studio concentrators and may be taken for credit by non-VES students by registering for VES 190r. Projects and Research. Presumed to be a full-year course, but may be divided. Permission of Head Tutor and instructor required.

***Visual and Environmental Studies 190r. Projects and Research**

Catalog Number: 8371

H. Peik Larsen (spring term), Nancy Mitchnick (fall term), Peter Schjeldahl (fall term) and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to a limited number of students who wish to carry out a special project under supervision and who obtain the signature of the Head Tutor and a member of the Department. Applications available in the department office. Letter-graded. Peter Schjeldahl's seminar, listed above, can be taken for credit by non-VES concentrators by registering for VES 190r. Permission of Head Tutor and instructor required.

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 2000-01*)
Juliet Schor, Senior Lecturer on Women's Studies (*Acting Chair, Director of Studies*)
Nalini Ambady, John and Ruth Hazel Associate Professor of the Social Sciences
Bridie Andrews, Assistant Professor of the History of Science
Giuliana Bruno, Professor of Visual and Environmental Studies
Julie A. Buckler, Harris K. Weston Associate Professor of Slavic Languages and Literatures (*on leave spring term*)
Bradley S. Epps, Professor of Romance Languages and Literatures (*on leave fall term*)
Ruth Feldstein, Assistant Professor of History and of History and Literature (*on leave 2001-2002*)
Lynn Mary Festa, Assistant Professor of English and American Literature and Language
Melissa Franklin, Professor of Physics
Marjorie Garber, William R. Kenan, Jr. Professor of English
Beatrice Hanssen, Associate Professor of German
Evelyn Brooks Higginbotham, Professor of History and of Afro-American Studies
Alice Jardine, Professor of Romance Languages and Literatures
Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society (*on leave fall term*)
Ewa Lajer-Burcharth, Professor of History of Art and Architecture (*on leave 2000-01*)
Jane E. Mangan, Assistant Professor of History
Christie McDonald, Smith Professor of French Language and Literature
Sharmila Sen, Assistant Professor of English and American Literature and Language (*on leave spring term*)
Kay Kaufman Shelemay, G. Gordon Watts Professor of Music (*on leave fall term*)
Mary M. Steedly, Professor of Anthropology (*on leave fall term*)
Laurel Thatcher Ulrich, Harvard College Professor and the James Duncan Phillips Professor of Early American History
Kay B. Warren, Professor of Anthropology

Affiliated Members of the Committee on Women's Studies

Margaret Alexiou, George Seferis Professor of Modern Greek Studies and Professor of Comparative Literature
Melissa Barry, Assistant Professor of Philosophy (*on leave 2000-01*)
Laura Benedetti, John L. Loeb Associate Professor of the Humanities (*on leave 2000-01*)
Seyla Benhabib, Professor of Government (*on leave 2000-01*)
Peter J. Burgard, Professor of German (*on leave 2000-01*)
Henry Louis Gates, Jr., W.E.B. Du Bois Professor of the Humanities
Claudia Goldin, Henry Lee Professor of Economics
Susan Pedersen, Professor of History and Dean for Undergraduate Education
Elizabeth J. Perry, Henry Rosovsky Professor of Government
Barbara F. Reskin,
Ann Wierda Rowland, Assistant Professor of English and American Literature and Language



Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*on leave 2000-01*)

Other Faculty Offering Instruction in Women's Studies

Elizabeth Dodson, Lecturer on Women's Studies
David L. Eng, Visiting Professor of Women's Studies (*Columbia University*)
Charis Thompson, Visiting Professor of History of Science and Women's Studies
Kath Weston, Senior Lecturer on Women's Studies

Primarily for Undergraduates

***Women's Studies 91r. Supervised Reading and Research**

Catalog Number: 6225

Juliet Schor 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 (formerly *Women's Studies 97hf). Tutorial — Sophomore Year**

Catalog Number: 7217

Juliet Schor and Staff

Half course (fall term). M., 2–4; M., 6–8 p.m. EXAM GROUP: 6, 7

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

Juliet Schor 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

Juliet Schor and staff

Half course (fall term). Hours to be arranged.

Note: Both Women's Studies 99a and 99b are required of all concentrators in their senior year.

***Women's Studies 99b. Tutorial — Senior Year**

Catalog Number: 5847

Juliet Schor and staff

Half course (fall term; repeated 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 101. Introduction to Women's Studies

Catalog Number: 2174

Kath Weston

Half course (fall term). Tu., Th., at 1 and a one hour section to be arranged. EXAM GROUP: 15
What is gender? What do women in different parts of the world mean by "feminism"? Are there women's issues? This course goes beyond everyday understandings to explore these questions through readings on work, family, health care, technology, epistemology, ability/disability, and the effects of colonialism and a global economy on women. By the end of the course, students will have learned new ways to think internationally about gender; examined the mutual implication of gender with class, race, ethnicity, sexuality, and nation; and gained insights into the workings of power. Students will also have the opportunity to formulate a feminist analysis on a range of topics.

[Women's Studies 102 (formerly Women's Studies 10c). Gender and Inequality]

Catalog Number: 2516

Half course (fall term). M., W., at 1, and a one-hour section to be arranged. EXAM GROUP: 6
Draws on material from economics and other social sciences to analyze gender relations from an economic and social perspective. Topics include: the gender gap in pay; occupational segregation and the glass ceiling; the "second shift" of household work; motherhood; conflicts between work and family; the feminization of poverty; teen pregnancy, and the feminist critique of the State.

Note: Expected to be omitted in 2001–02. Expected to be given in 2002–03.

Women's Studies 103. Introduction to Gay and Lesbian Studies

Catalog Number: 4778

Bradley S. Epps

Half course (spring term). M., W., 1–2:30 and a one hour section to be arranged. EXAM GROUP: 6, 7

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.

Women's Studies 104. Gender, Race, and Class in Asian America: An Introduction

Catalog Number: 3529

David L. Eng (Columbia University)

Half course (fall term). Tu., Th., 11:30–1 and a one hour section to be arranged. EXAM GROUP: 13, 14

An introduction to Asian American literature, literary criticism, culture. We will read a selection of novels, short stories, poetry, drama, and essays from a wide range of Asian American authors, as well as screen work by contemporary Asian American directors and artists. Particular attention is paid to the ways in which gender, sexuality, and class underpin processes of Asian



American racial formation. To provide a more engaged political framework for analyzing both the material experiences and the psychic lives of Asian Americans, we will read a number of theoretical essays and legal documents from feminist, gay/lesbian, psychoanalytic, postcolonial, and critical race studies.

Women's Studies 110a. Bodies and Boundaries

Catalog Number: 1730

Charis Thompson

Half course (fall term). M., W., at 12 and a one hour section to be arranged. EXAM GROUP: 5
 This class examines a wide range of interdisciplinary readings on bodies and is organized around the following questions: How have deviant, monstrous, and criminal bodies been imagined in science, national and transnational politics, and popular culture? How have particular bodies come to be taken to bear naturalized marks of poverty, desire, danger, and disease? What does "embodiment" mean? What is the significance of the study of bodies to women's studies? How are bodies normalized and controlled, and how do they in turn become instruments of governance? What is the connection between nation and bodies, and between migration and bodies?

Women's Studies 110b (formerly Women's Studies 10b). Current Problems in Feminist Theory

Catalog Number: 5590 Enrollment: Limited to 40.

Charis Thompson

Half course (spring term). M., W., at 12, and a one-hour section to be arranged. EXAM GROUP: 5

This course introduces many different kinds of feminisms, including but not limited to: Liberal, Socialist/Marxist, Radical, Victim, Psychoanalytic, Womanist, Ecofeminism, Lesbian, Postcolonial, Postmodern, Poststructuralist. Readings cover classic texts from first and second wave Angloamerican feminism. Sections on feminist theory and stratification; gender, technologies and bodies; "hot topics" including backlash and masculinity studies; and "third wave" feminisms, especially feminist theory informed by transnational concerns. Theoretical and political positions will be connected to thematic content in class discussions. Analysis of the terms "sex" and "gender", as well as "essentialism, anti-essentialism, strategic essentialism". Analysis of the relations of queer theory to feminist theory, and gender studies to women's studies.

[Women's Studies 110c. Gender and Work]

Catalog Number: 7763

Half course (spring term). Hours to be arranged.

At the heart of all societies are work, sex, and gender. The sexual division of labor is a cross-cultural constant but the specific definitions of what constitutes work and who is labelled a worker vary. What accounts for some activities being defined as "work" and why are some considered appropriate for women and others for men? Through cases selected cross-culturally and over time, we consider not only how work is gender-specific but how gendered work (re)produces gender differences and other social distinctions. The course examines reproductive, domestic/family, wage/market, factory, and sex work; the social construction of "female" and



“male” through different types of “work”; the interactions of work, gender, and class; gendered work, global economy and modernity.

Note: Expected to be given in 2001–02.

Women’s Studies 131. Women, Violence, and the Law

Catalog Number: 1401 Enrollment: Limited to 30.

Diane L. Rosenfeld

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

What makes violence against women different from other types of violence? How do law and society interact in the perpetuation or eradication of violence against women? How do we, as a society, address the gender bias that underlies intimate-partner violence? This course will be devoted primarily to an examination of these questions in the context of contemporary American culture. Students will be introduced to feminist legal theory (although a legal background is not necessary). The readings will include works of Catharine MacKinnon, Kimberly Crenshaw, bell hooks, Duncan Kennedy and Angela Browne.

[Women’s Studies 132. Shop ‘Til You Drop: Gender and Class in Consumer Society]

Catalog Number: 8799

Half course (spring term). Hours to be arranged.

Everyday life is increasingly characterized by shopping, buying, and consuming. This course will examine the historical origins of consumer societies; the ways in which advertising, media, and marketing affect culture and society; what motivates consumers; the role of consumption in the forging of identities; the globalization of consumer capitalism; the debate over “consumer society” and its alternatives. Throughout, particular emphasis will be paid to the ways in which consumption is structured by gender and class. Readings include Bourdieu, Bordo, Veblen, Galbraith, Friedan, Peiss, de Grazia.

Note: Expected to be given in 2002–03.

[Women’s Studies 133. The Queer Novel: Narrative and Sexuality]

Catalog Number: 0630

Half course (spring term). Hours to be arranged.

Is the novel a queer genre? How has the cultural reception of the novel been influenced by changing ideas about gender and sexuality? This course will look at seemingly “queer” novels from the late 18th, 19th, and 20th centuries in their historical and cultural contexts. We will also read selections from contemporary literary criticism and theory. Readings from Diderot, Austen, Forester, Woolf, Wilde, James, Conrad, Baldwin, Lorde, and others.

Note: Expected to be given in 2002–03.

[Women’s Studies 134. Women’s Writing and Film in Latin America and the Caribbean]

Catalog Number: 9230

Bradley S. Epps

Half course (fall term). Hours to be arranged.

This course focuses on 20th-century narrative fiction, testimony, theater, and film by women from a variety of linguistic cultures (French, Spanish, Creole, Quiche, English, Portuguese), paying special attention to the ties and tensions between feminism and post-colonialism. Other



topics include gender and genre; sexuality and the state; social engagement and artistic autonomy; nationality, nationalism, and internationalism; class conflict and the “global market”; kinship, ritual, and religion; lesbianism, heterosexuality, and bisexuality; authoritarianism and democracy. May include works by Diamela Eltit, Clarice Lispector, Jamaica Kincaid, and others. Critical and theoretical texts will also be employed. All writings are available in English translations.

Note: Expected to be given in 2001–02.

Women’s Studies 137. Black Women’s Representation: The Post-Civil Rights Generation

Catalog Number: 7892 Enrollment: Limited to 40.

Naomi Pabst

Half course (fall term). Tu., 2–4, and a one hour section to be arranged. EXAM GROUP: 16, 17
Course examines literary and critical writings of black women of the post-civil rights generation. With attention to narrative strategy and modes of representation, we will explore the ways these writers construct and contest the cultural, ideological, and political parameters of black womanhood. We will address textual intersections of race, gender, sexuality, color, ethnicity, nationality, class, and generation. We will also situate texts within a larger rubric of black women’s literary legacies, addressing what is incorporated, adapted, and abandoned by contemporary writers. Authors include Edwidge Danticat, Shay Youngblood, Joan Morgan, Asha Bandele, Jayne Ifekwunigwe, Danzy Senna, April Sinclair.

Women’s Studies 153 (formerly Women’s Studies 122). Psychoanalysis, Gender, and Sexuality

Catalog Number: 7950 Enrollment: Limited to 15. Limited to 15.

Mari Ruti

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Ever since Freud’s by now infamous question, “What does the woman want?”, psychoanalysis has been preoccupied by the riddle of feminine desire. While Freud developed the clinical practice of psychoanalysis around the desirous discourse of the hysterical woman, Lacan went as far as to link feminine pleasure to the divine. Drawing on psychoanalysis, and on recent feminist and queer theory, this course will explore questions of love, desire, pleasure, masculinity/femininity, sexual orientation, and the divine. Authors considered include Freud, Lacan, Klein, Horney, Riviere, Kristeva, Irigaray, Butler, Halberstam, Nabokov, Jeanette Winterson, Kate Bornstein, and St. Theresa.

Women’s Studies 154 (formerly Women’s Studies 111). I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s: Conference Course

Catalog Number: 6855

Alice Jardine

Half course (fall term). M., 2–4 and a one hour section to be arranged. EXAM GROUP: 7, 8
A diagnosis and analysis of this formative decade for the U.S. babyboomer. Taught from a cultural studies perspective, the course will focus on gender politics in print media, film, television, and rock of the early cold war era. Parks, McCarthy, Monroe, Kerouac, and many others.


Women's Studies 155. Women, Girls, and Poverty: Conference Course

Catalog Number: 9165 Enrollment: Limited to 20.

Elizabeth Dodson
Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Using a life-stages approach, this course examines conditions and effects of economic hardship in the lives of women and girls. Themes include daughters' work in low-income families, adolescent pressures and strengths, early (often) single motherhood, and women's ongoing development, despite multiple barriers. A conceptualization of an economically segregated society, with the accompanying issues of race, ethnicity, and welfare stigma is integrated throughout. Students co-lead weekly class discussions. Readings by Canada, Hill Collins, Fine, Dodson, Edin, Luker, Way and others.

Women's Studies 158. Work and Family

Catalog Number: 9947 Enrollment: Limited to 15.

Juliet Schor
Half course (fall term). Th., 2–4 and a one hour section to be arranged. EXAM GROUP: 16, 17

Can a woman successfully combine family and career? This highly contested question is at the center of many contemporary American debates. In this seminar we will look at a variety of perspectives on this issue, including analyses of the social construction of "motherhood," the persistence of male norms in the workplace, traditional calls for a return to "family values," the "mommy track," joint parenting, and psychoanalytic approaches to work-family conflict. Readings will be drawn mainly from the social sciences, but will also include some more literary accounts, and include the work of Hochschild, Williams, Deutsch, Hays, Chodorow.

Women's Studies 159. Sexual Diasporas Asia/America

Catalog Number: 4088 Enrollment: Limited to 12.

David L. Eng (Columbia University)
Half course (fall term). W., 2–4:30. EXAM GROUP: 7, 8, 9

This interdisciplinary seminar focuses on queerness and diaspora in Asian and Asian American literature, drama, film, and visual culture. We will study works by writers, directors, and artists from various ethnic groups and international locations in the Americas, East Asia, and South Asia. In particular, we will consider the various ways in which queerness and diaspora constitute contemporary notions of Asian/American identity, community, and politics. Throughout the semester we will read widely from Asian/American cultural criticism, queer theory, feminism, psychoanalysis, postcolonial studies, and critical race theory.

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, and the Women's Studies program at the Divinity School. Students may be particularly interested in the following courses: the Divinity School: 2434, 2880, 1468, 3455, 3525; the Medical School: Social Medicine 720; the Law



School offers courses in family law, employment rights, and adoption, which presuppose a legal background.

Afro-American Studies 110. African-American Women's History: Seminar
Afro-American Studies 124. Constructions of Identity
[Afro-American Studies 134. The Literature of Possession: Seminar]
[*Afro-American Studies 137z (formerly English 90ut). Black Women and Their Fiction]
[Afro-American Studies 141 (formerly Anthropology 157). Afro-Atlantic Religions]
Anthropology 138. The Behavioral Biology of Women
[Anthropology 139. Power, Knowledge, and People in Sub-Saharan Africa]
[Anthropology 147. West African Cultures]
Classical Archaeology 145. The Representation of Women in Ancient Greece
[*English 90rt. Sylvia Plath and Anne Sexton]
[English 147n. Women and the Novel to Jane Austen]
English 156. Gender and Nation in 19th-Century British Literature
Folklore and Mythology 108. Witchcraft
[Folklore and Mythology 113. Women Storytellers in Africa]
French 70b. Introduction to French Literature II: From the Romantics to the Present
[French 136. Feminist Literary Criticisms]
[French 175. Julia Kristeva: Introductions and Conclusions]
Government 1541. Women, Gender and Politics in the United States
[Historical Study A-33. Women, Feminism, and History]
[History 1492 (formerly History 1345). Gender and the State in an Era of Mass War: Conference Course]
[History 1642a. U.S. Women's History to 1900]
History 1642b. U.S. Women and Gender History, Turn of the Century to the Present
[History 1908. Rethinking Gender in African History: Conference Course]
***History of Science 147. Sex, Gender, and Modern Medicine: Conference Course**
History of Science 154v. Gender and Science
History of Science 182. Gender and Technology in East Asia: Lecture
[*History of Science 251. Women, Gender, Feminism and the Sciences: Conference Course]
History of Science 253v. Reproductive Technologies: Identity, Science and Politics
[Japanese History 117. Religion and Gender in Japanese History: Conference Course]
[Linguistics 81. Language and Gender]
[*Literature 125. Bodies and Technologies]
Modern Greek C. Advanced Modern Greek: Supervised Readings
Psychology 1806. Sex, Gender, and Psychopathology
[*Religion 1477. Pentecostalism]
[Religion 1490. Feminist Theology as Systematics: A Critical Survey]
Religion 1528. Globalization, Civil Religion and Human Values: Envisioning World Community
[Religion 1600. An Introduction to Hinduism]
Slavic 288. Sex, Self, and Russia: Conference Course
Sociology 22. Gender and Work
[*Sociology 207. Gender and Sexuality: Seminar]
[Spanish 135. Writing Women: Language, Culture, and Difference in 20th-Century Spanish Narrative]



Spanish 268. Telling Limits in American Ethnic Literatures

[*Visual and Environmental Studies 152ar. Women and Film: Production and Criticism]

Of Related Interest

***Afro-American Studies 97a (formerly Afro-American Studies 11). Topics in Afro-American Literature and Culture**

Afro-American Studies 118. Africans, African-Americans and the Legacy of Slavery

[Afro-American Studies 120. African-American Religious History]

[Afro-American Studies 125. Philosophical Problems of Race and Racism]

[*Afro-American Studies 132z. Domestic Life in Literature: Seminar]

[Afro-American Studies 187y. Black Cinema as Genre—From Blaxploitation to Quentin Tarantino]

Afro-American Studies 191. The Civil Rights Movement: Seminar

Anthropology 110. Introduction to Social Anthropology

[Anthropology 126. Self and Emotion in Society]

[Anthropology 141. Society and History in Island Southeast Asia]

[Anthropology 255. Ethnographic Writing]

Celtic 106. Folklore of Ireland

Comparative Literature 168. Literature and Film

Economics 1812. Operation of the Labor Market

Economics 1815 (formerly Economics 1015). 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. French Oral Survival: Le Français parlé

French 47. Contemporary French Society

***French 97. Tutorial—Sophomore Year**

[French 161. The Subject in Question]

[French 175. Julia Kristeva: Introductions and Conclusions]

General Education 105. The Literature of Social Reflection

[German 148. Freud]

[Government 1341. Civil Liberties]

[*Government 2066. Political Theory and the Public Sphere]

Historical Study A-14. Japan: Tradition and Transformation

Historical Study B-35. The French Revolution: Causes, Processes, and Consequences

Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America

History 71a. America: Colonial Times to the Civil War

History 71b. The Rise of Modern America, 1865 to Present

History 1602. The Frontier in Early America

[History 1624 (formerly History 1620). Jacksonian America, 1815–1845]

[*History 1643. The Confederacy: Conference Course]

[History 1649. The American West: 1780-1930]

[*History 1663. The 1950s: American Cultural Politics in the Cold War: Conference Course]

[History of Science 130. Modern Biology]

[History of Science 175. Madness and Medicine: Themes in the History of Psychiatry]



[History of Science 176. Evolution and the Mind: Conference Course]
History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine
[Literature 119. The Holocaust and Problems of Representation]
[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]
[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]
[Medieval Latin 117. Fairy Tales and Their Tellers in the Middle Ages]
Modern Hebrew 130r (formerly Modern Hebrew 130a). 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 17. Personality Psychology]
[*Psychology 1559. Interpersonal Influence and Communication: Seminar]
[Religion 45. Martyrs, Mystics, and Heretics: Alternative Christianities]
Religion 1001. Ethnographic Imaginations
Religion 1026. Contrast and Harmony in Conceptions of God
[Religion 1489. Contemporary Interpretations of Jesus]
Religion 1525. Radical Movements in Modern America
Religion 1528. Globalization, Civil Religion and Human Values: Envisioning World Community
[Religion 1530r. Religious Values and Cultural Conflict: Seminar]
[*Religion 1585. Islam in South Asia: Seminar]
Religion 1725. Buddhism and Social Change: Seminar
Science B-29. Human Behavioral Biology
[Slavic 130a. Survey of Czech Literature from the Beginnings to 1774]
[Slavic 130b. Survey of Czech Literature from 1774 to the Present]
Slavic 185. Two Poets: Conference Course
[Social Analysis 38. Social Stratification]
[Sociology 60. Race and Ethnic Relations]
Sociology 162. Medical Sociology
[Sociology 184a. The Origins of Freedom]
[*Sociology 188. Lines that Divide: Race, Class, Gender, and Ethnicity in the Ethnographic Tradition: Conference Course]
[Spanish 194. Latino Cultures]
Spanish 268. Telling Limits in American Ethnic Literatures
***Visual and Environmental Studies 155ar. Film Architectures: Seminar Course**
***Visual and Environmental Studies 155br. A Cultural Study of Film: Mapping and Fashioning Space: Seminar Course**



Visual and Environmental Studies 159ar. The Moving Image: Film and Visual Representation