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Core-Curriculum

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

As of July 2008, the General Education Committee assumed responsibility for the Core Curriculum. Faculty subcommittees under the umbrella of the General Education Committee, will be responsible for reviewing courses proposed for Core credit. For further information, please consult the Director of the Core Program, Susan Lewis, 77 Dunster Street.

Faculty of the Committee on General Education

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies (*Chair*)
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
 Julie A. Buckler, Professor of Slavic Languages and Literatures
 Scott V. Edwards, Professor of Organismic and Evolutionary Biology and Alexander Agassiz Professor of Zoology
 Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
 Edward J. Hall, Professor of Philosophy
 Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
 Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor (*on leave spring term*)
 Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
 Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics (*on leave spring term*)

The Core Curriculum Program

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

But the Core differs from other programs of general education. It does not define intellectual breadth as the mastery of a set of Great Books, or the digestion of a specific quantum of information, or the surveying of current knowledge in certain fields. Rather, the Core seeks to introduce students to the major approaches to knowledge in areas that the faculty considers indispensable to undergraduate education. It aims to show what kinds of knowledge and what



forms of inquiry exist in these areas, how different means of analysis are acquired, how they are used, and what their value is.

Foreign Cultures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

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

Foreign Cultures

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

Catalog Number: 8550

Tom Conley

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

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

Note: Expected to be omitted in 2009–10. Conducted in French. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts B, but not both.

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

Catalog Number: 0656

Marlies Mueller

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

A second-year language course that explores French institutions, values, and traditions of the 17th and 18th centuries as objects of humorous attacks by such authors as Beaumarchais, La Fontaine, Molière, and Voltaire. Comprehensive syntheses of early-modern cultural debates through multi-disciplinary approach. Extensive use of visual material (Cassell, Leconte, Rossellini, Scola, Wajda). Emphasis on all four communication skills so that at the end of the course, students should be able to understand lectures in French, converse on a large variety of



topics with native speakers, read material of moderate difficulty, and write correct French.

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

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

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

Catalog Number: 0591

Marlies Mueller

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

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

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

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

Foreign Cultures 34. Mesoamerican Civilizations

Catalog Number: 3196

William L. Fash

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

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

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

Catalog Number: 6357

Orlando Patterson

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

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



Foreign Cultures 48. The Cultural Revolution

Catalog Number: 6474

Roderick MacFarquhar

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

Note: Expected to be omitted in 2009–10. For students under the Core requirement, counts as either Foreign Cultures or Historical Study B, but not both.

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

Catalog Number: 1976

Hue-Tam Ho Tai

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

Can a society modernize yet preserve its cultural identity? We will explore this issue with reference to Vietnam, where a Marxist-Leninist political system co-exists with a market economy. Modernization has been accompanied by a revival of tradition, religion, and rituals; urbanization by renewed stress on village solidarity. Gender roles are being transformed. Family relationships are being reshaped by increased mobility and new means of communications. Migration to the uplands is changing local cultures even as ethnic minorities are offered to global tourists as icons of authenticity. What does it mean to be Vietnamese under these circumstances?

Note: Expected to be omitted in 2009–10.

[Foreign Cultures 63. China's Two Social Revolutions]

Catalog Number: 1884

Martin K. Whyte

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

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

Note: Expected to be given in 2009–10.

[Foreign Cultures 67. Popular Culture in Modern China]

Catalog Number: 8730

David Der-wei Wang

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. Four additional sessions to be arranged for screening of films. EXAM GROUP: 13

This course provides a comprehensive examination of modern Chinese popular culture in the People's Republic of China, Taiwan, Hong Kong, and Southeast Asia. From literature to film,



from music to theatre, this course will probe popular culture as it has manifested itself, and trace its sociopolitical, aesthetic, and affective impact on modern Chinese.

Note: Expected to be given in 2009–10. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts C, but not both.

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

Catalog Number: 9028

Xiaofei Tian

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5
Examines the role Chinese literary texts have played in articulating the place of the individual as part of, or against, the authority of community and state. Beginning with the celebrations of social integration in the early parts of the *Classic of Poetry* (early first millennium BC), we will follow the increasingly complex role literature came to play, both as a critic of authority and as establishing a domain of private life.

Note: Expected to be omitted in 2009–10. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts A, but not both.

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

Catalog Number: 1065

Ali S. Asani

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

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

Note: Expected to be omitted in 2009–10. Expected to be omitted in 2009-10. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief.

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

Catalog Number: 5581

Svetlana Boym

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14
Explores 20th-century Russian culture through literature, art, and film. Topics include art and revolution, utopian imagination and the authoritarian state, the rewriting of history through literature and film, art of the fantastic and the literature of exile, postcommunism and postmodernism, the search for national identity, and resistance to nationalism. Proceeds from revolutionary avant-garde art and artistic experimentation of the 1920s to the declaration of Socialist Realism and the experience of Stalinism, from dissident art of the 1960s to the culture of the Cold War, perestroika, and beyond. Works by Malevich, Eisenstein, Vertov, Mayakovsky, Babel, Bulgakov, Mandel'shtam, Nabokov, Kundera, and Brodsky.

Note: Expected to be given in 2010–11. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts C, but not both.



Foreign Cultures 74. Cultures of Southern Europe

Catalog Number: 0603

Michael Herzfeld

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

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

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

Catalog Number: 3396

Eric Rentschler

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

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

Note: Expected to be given in 2009–10. No knowledge of German required. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts B, but not both.

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

Catalog Number: 5576

Mark C. Elliott and Richard K. Wolf

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

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

Note: Expected to be given in 2009–10. No knowledge of Asian languages or music is required. One weekly section is a music section and the other is a discussion section. For students under the Core requirement, counts as either Foreign Cultures or Historical Study B, but not both.



Foreign Cultures 80. Korea at 2100

Catalog Number: 8798

David McCann

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

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

Note: Expected to be omitted in 2009–10.

[Foreign Cultures 81. The Culture of Everyday Life in China]

Catalog Number: 8733

Peter K. Bol and Michael A. Szonyi

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 2619

William E. Granara

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

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

Note: Expected to be omitted in 2009–10. No knowledge of Arabic required.

[Foreign Cultures 84. Tokyo]

Catalog Number: 9691

Theodore C. Bestor

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

Tokyo has been one of the world's great metropolitan centers since the 17th century, both the urban hub of Japanese society and culture, and the intersection between Japanese domestic society and trends of global influence. This course examines trajectories of change in Tokyo's



urban culture, lifestyles, social structure, and spatial environment across the city's history, using ethnography, history, literature, diaries, architecture, photography, art, cartography, animation, film, and the Internet to explore Tokyo as an urban culture in comparative perspectives drawn from anthropology, history, and other social sciences.

Note: Expected to be given in 2009–10.

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

Catalog Number: 0401

Adam L. Kern

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

Note: Expected to be given in 2009–10. No knowledge of Japanese required. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts C, but not both.

[Foreign Cultures 86. West African Cultures]

Catalog Number: 1648

J. Lorand Matory

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 5925

Francis Abiola Irele

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

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

Foreign Cultures 90. Tel Aviv: Urban Culture in Another Zion

Catalog Number: 0199

Avi Matalon



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

How to read a city? Tel Aviv was founded under the concept of the “first Hebrew city” and rapidly became the cultural, economic, and political center of Jewish settlement in Palestine. Over the past century it has become a metropolis and the cultural and economic hub of the State of Israel. This course will trace Tel Aviv’s historical development and its cultural representation using history, literature, film, urban planning, photography, art, and music.

Note: Expected to be omitted in 2009–10.

Foreign Cultures 92. From the Prague Spring to the Velvet Revolution: Czech Culture under Communism

Catalog Number: 5237

Jonathan H. Bolton

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

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

Note: Expected to be omitted in 2009–10.

Foreign Cultures 93. Pathways through the Andes—History, Culture, and Politics in Andean South America

Catalog Number: 2073

Thomas B. F. Cummins

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

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

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or Societies of the World, but not both.

Foreign Cultures 94. Buddhism and Japanese Culture

Catalog Number: 3203

Ryuichi Abe

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



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

Cross-listed Core courses that satisfy the Foreign Cultures requirement

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

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

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

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

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

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

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

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

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

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

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

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

Departmental courses that satisfy the Foreign Cultures requirement

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

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

[Anthropology 1795. The Politics of Language and Identity in Latin America](#)

[Anthropology 1870. Island Southeast Asia: Circulating Cultures]

[Anthropology 1880. Chinese Culture and Society]

[Chinese 187. Art and Violence in the Cultural Revolution](#)



[Chinese Literature 130. Screening Modern China: Chinese Film and Culture](#)
[Chinese Literature 150. China's Greatest Folktales: Old Tales in New Media - \(New Course\)](#)
[Folklore and Mythology 126. Continuing Oral Tradition in Native American Literature](#)
[\[Foreign Cultures 85. Japan Pop: From Basho to Banana\]](#)
[Religion 70. Introduction to Buddhism - \(New Course\)](#)
[Spanish 90m. Imagining Latin Americas: Neruda, Asturias, and Paz.](#)
[\[Spanish 172. Barcelona and Modernity\]](#)
[Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema](#)

Historical Study

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Historical Study A

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

Historical Study B

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

Historical Study A

[Historical Study A-12. International Conflict and Cooperation in the Modern World](#)

Catalog Number: 5129

Ivan Michael Arreguin-Toft

Half course (spring term). M., W., F., at 12, and a 90-minute weekly section to be arranged.

EXAM GROUP: 5

If politics is about power, then world politics is about the distribution of power among state and non-state actors; as well as its uses and misuses in the past, present, and future. The aim of the course will be to introduce key issues, questions, and theories about world politics in historical context. Our focus will be on international conflict and cooperation since the First World War,



and on how social, political, and military elites have sought to learn from and explain international politics from that time to the present day.

Historical Study A-13. China: Traditions and Transformations

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: For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World.

Historical Study A-14. Japan: Tradition and Transformation

Catalog Number: 5373

Andrew Gordon and Ethan Segal

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

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

Note: For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World.

Historical Study A-16. Modern South Asia in Global History

Catalog Number: 9058

Sugata Bose

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

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



Note: Expected to be omitted in 2009–10. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

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

Catalog Number: 5568

Caroline M. Elkins

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

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

Note: Expected to be given in 2009–10. 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 (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

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

Note: Expected to be omitted in 2009–10. Expected to be omitted in 2009-10. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief.

Historical Study A-34. Medicine and Society in America

Catalog Number: 1552

Jeremy Alan Greene

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

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



Note: This course, when taken for a letter grade, meets the General Education requirement for United States in the World.

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

Catalog Number: 5423

Cemal Kafadar

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 9323

Jay M. Harris

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

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

Note: Expected to be omitted in 2009–10.

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

The past 125 years have seen more rapid economic growth, and more global economic integration, than ever before. Yet the gap between rich and poor countries has widened, and “globalization” has alternated with attempts at national self-sufficiency under fascist, communist, and other banners. The course explores the impact of technological, economic, social, and political trends, at both global and national levels, on the development of the world economy since 1873. Topics include free trade and the gold standard in the 19th century, European colonialism, the depressions of 1873–96 and 1929–39, and the postwar economic order.

Note: Expected to be omitted in 2009–10.



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

Catalog Number: 0352

Afsaneh Najmabadi

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

This course will focus on how concepts of woman and gender have defined meanings of religious and national communities in the Islamic Middle East and North Africa. It will survey changes in these concepts historically through reading a variety of sources—religious texts and commentaries, literary and political writings, books of advice, women’s writings, and films—and will look at how contemporary thinkers and activists ground themselves differently in this historical heritage to constitute contesting positions regarding gender and national politics today. *Note:* Expected to be omitted in 2009–10. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

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

Catalog Number: 8261

Peter A. Hall

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

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

Note: Expected to be given in 2010–11.

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

Catalog Number: 0893

William C. Kirby

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

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

Note: Expected to be given in 2010–11. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.



[Historical Study A-75. The Two Koreas]

Catalog Number: 0786

Carter J. Eckert

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

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 3594

David Blackbourn

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 0718

Morton J. Horwitz (Law School)

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 4182

Nancy F. Cott

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

This course offers historical perspective on the social relations and relative power of the sexes, tracing sharp changes and striking continuities over the past century. We will look at sexuality, masculinity, and femininity, centering these in US social, cultural and political history.



Demographic patterns, economic demands, public policy, war, and gender-based social movements will provide the context for examining expectations for manhood and womanhood as they play out in family lives, work, popular culture and politics.

Note: Expected to be given in 2009–10.

[Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry]

Catalog Number: 6692

Anne Harrington

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

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

Note: Expected to be given in 2009–10.

Historical Study A-88. The British Empire - (New Course)

Catalog Number: 9910

Maya Jasanoff

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

Less than a century ago the British Empire ruled a quarter of the world. This course surveys the extraordinary reign of the British Empire from the American Revolution to World War II. Course presents a narrative of key events and personalities, introduces major concepts in the study of British imperial history, and considers the empire’s political and cultural legacies. Readings include works by Niall Ferguson, Linda Colley, Winston Churchill, and Mahatma Gandhi.

Note: Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World.

Historical Study A-89. The Chinese Overseas - (New Course)

Catalog Number: 7869

Michael A. Szonyi

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

This course introduces the emigration of people from China to other parts of the world over the last five centuries. It considers the causes of emigration, the ties that emigrants retained to China, and the communities that Overseas Chinese created abroad. It compares the experiences of emigrants and their descendants in Southeast Asia and in North America. Last, it tries to situate the recent wave of Chinese migration to North America in global and historical context.

Note: Expected to be omitted in 2009–10.

Departmental courses that satisfy the Historical Study A requirement

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



[African and African American Studies 10. Introduction to African American Studies](#)

[Chinese History 118. History of Relations between China and Inner Asia](#)

[Culture and Belief 11. Medicine and the Body in East Asia and in Europe - \(New Course\)](#)

[\[Government 1730. War and Politics\]](#)

[Government 1732. The Origins of Modern Wars](#)

[\[History 1200 \(formerly History 10b\). Western Economies, Societies, and Politics: From 1648 to the Present\]](#)

[\[History 1205 \(formerly History 1484\). Europe Since World War II\]](#)

[\[History 1260 \(formerly History 1449\). Nationalism and Socialism in 20th-Century Central Europe\]](#)

[\[History 1304 \(formerly History 1470\). Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism\]](#)

[\[History 1330 \(formerly History 1661\). Social Thought in Modern America\]](#)

[\[History 1430 \(formerly History 1657\). Native America: The East\]](#)

[\[History 1431 \(formerly History 1658\). Native America: The West\]](#)

[History 1461. War and the World of Ideas in America, Civil War to Iraq - \(New Course\)](#)

[\[History 1465 \(formerly History 1650b\). The United States in the World, since 1920\]](#)

[\[History 1623 \(formerly History 1851\). 20th-Century Japan\]](#)

[History 1701 \(formerly History 1907\). West Africa from 1800 to the Present](#)

[History 1890 \(formerly History 1890b\). The Economic History of the Middle East Since World War II](#)

[History 1920 \(formerly History 10c\). A Global History of Modern Times](#)

[History of Science 100. Knowing the World: An Introduction to the History of Science](#)

[Social Studies 50. Genocide - \(New Course\)](#)

[Societies of the World 11. Germany in the World, 1600-2000 - \(New Course\)](#)

[Sociology 107. The American Family](#)

[Studies of Women, Gender, and Sexuality 1177. AIDS: Politics, Culture, and Science - \(New Course\)](#)

Historical Study B

[Historical Study B-11. The Crusades]

Catalog Number: 0434

Angeliki E. Laiou

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

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

Note: Expected to be given in 2009–10.



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

Catalog Number: 2567

Michael McCormick

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

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

Note: Expected to be given in 2009–10.

[Historical Study B-18. The Protestant Reformation]

Catalog Number: 0623

Steven Ozment

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

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

Note: Expected to be given in 2009–10.

Historical Study B-19. The Renaissance in Florence

Catalog Number: 4631

James Hankins

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

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

Note: Expected to be omitted in 2009–10. For students under the Core requirement, counts as either Historical Study B or Literature and Arts C, but not both.

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

Catalog Number: 2507

Sugata Bose, Emma Rothschild, and Richard Tuck

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

The world in 1776 was connected by empire, influence, law, commerce, migration, war, and the exchange of ideas. 1776 also saw the publication of Gibbon’s *Decline and Fall of the Roman*



Empire, Smith's *Wealth of Nations*, and Bentham's *Fragment on Government*. The course examines ideas and ways of life in 1776, in Europe, Asia, Africa, and the Americas. It considers a pivotal year in American history from the vantage point of world history. Readings will include books and periodicals published in 1776, including translations from French, Spanish, and Persian sources.

Note: Expected to be given in 2009–10.

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

Catalog Number: 0525

Patrice Higonnet

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

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

Note: Expected to be given in 2009–10.

[Historical Study B-39. American Revolutions in the Atlantic World]

Catalog Number: 9016

Vincent Brown

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

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

Note: Expected to be given in 2010–11.

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

Catalog Number: 2264

Laurel Thatcher Ulrich

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

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 2009–10. Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for United States in the World.



Historical Study B-43. (formerly History 1629). Slavery/Capitalism/Imperialism: The US in the Nineteenth Century

Catalog Number: 5470

Walter Johnson

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

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

[Historical Study B-45. The Darwinian Revolution]

Catalog Number: 8691

Janet Browne

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 0227

Sven Beckert

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

Examines the development of the American economy from its beginnings to the late 20th-century. Focuses on the nature of economic change during the past 400 years and the reasons for and effects of capitalist growth. Topics include Native-American economies, the industrial revolution, slavery, the rise of new business structures, labor, technological change, and government-business relations.

Note: Expected to be given in 2009–10.

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

Catalog Number: 3834

Emmanuel K. Akyeampong

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

This course begins with the question of terminological precision and the definition of slavery and other forms of servile labor—especially in Africa. The course then examines the institution of slavery in Africa and the Americas within this wider historical context, analyzing the political economies and ideologies that underpin slavery and the crucial role of slave trade in reproducing slave communities that were barely able to reproduce themselves naturally. The course explores



the impact of slavery on political, economic, social, and cultural life in Africa and the Americas and ends with a discussion of the legacy of slavery and the global nature of the African diaspora. *Note:* Expected to be given in 2010–11.

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

Catalog Number: 4388

Charles S. Maier

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

Viewed together, the two world wars shattered Germany's bid for European domination, revolutionized Russia and extended her influence over Eastern Europe for over 40 years, helped dissolve the colonial empires and create the modern welfare state, and made the US the world's preeminent power. Historical Study B-53 and B-54 examine the origin of each war; the grand strategies of the belligerents and the actual nature of combat; the war economies; response of intellectuals; and the dilemmas of peacemaking. B-53 focuses particularly on critical decisions; frontline experiences; cultural responses; political radicalization; and the fragility of the interwar global order.

Note: Expected to be given in 2009–10.

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

Catalog Number: 6497

Charles S. Maier

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

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

Note: Expected to be omitted in 2009–10.

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 omitted in 2009–10.


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

Catalog Number: 6974

Jorge I. Domínguez

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3
 Focus on the insurrectionary war, the consolidation of power, Fidel Castro's role, the role of organized labor and the peasantry, the US-Cuban conflict, the alliance with the Soviet Union, the choice of economic strategy, the "remaking of human beings," the role of intellectuals, the support for revolutions in Africa and Latin America, and the change toward "orthodox" policies. The instructor will debate himself, presenting two or more views on each issue. Readings include original documents in translation.

Note: Expected to be given in 2009–10. For students under the Core requirement, counts as either Historical Study B or Foreign Cultures, but not both. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Historical Study B-67. Japan's Modern Revolution

Catalog Number: 4164

Ian J. Miller

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

On July 8, 1853, Commodore Mathew C. Perry steamed into Japan's Edo Bay with four heavily armed US Navy warships. Two were the so-called "black ships," ominously painted steamships of the latest design. There, within view of a stunned populace, Perry issued an ultimatum: open the country to trade or face unstoppable bombardment. Thus began Japan's modern engagement with the outside world, a new chapter in the broader encounter between "East" and "West."

Through primary sources, discussion and lecture, this course examines Japan's rapid development from samurai-led feudalism into the world's first non-Western imperial power.

Note: Expected to be omitted in 2009–10. Expected to be omitted in 2009-10. No Japanese language skills required.

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

Catalog Number: 3447

Hue-Tam Ho Tai and -----

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
 Examines modern conflicts in Vietnam and their implications for the US from 1945–75, from both Vietnamese and American perspectives. Seeks to provide an understanding of the complexity of the war and the ethical dilemmas it raised by examining issues ranging from the power-politics assumptions of decision makers to the personal experiences of those caught in the war. Covers both background and consequences of the war, but the main focus is on the 30-year period during which the fortunes of America and Vietnam became intertwined.

Note: Expected to be given in 2009–10.

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

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

History 1060. Europe and Its Borders, 950-1550 - (New Course)

Literature and Arts C-61. The Rome of Augustus

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

Literature and Arts C-40. The Chinese Literature

Literature and Arts C-61. The Rome of Augustus

Departmental courses that satisfy the Historical Study B requirement

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

Classical Studies 165. Ancient Medicine - (New Course)

Culture and Belief 17 (formerly Historical Studies B-06). Institutional Violence and Public Spectacle: The Case of the Roman Games

English 171a. Colonial American Literature - (New Course)

***History 70a. Selves and Other Peoples in Classical Antiquity - (New Course)**

[*History 70d (formerly *History 1212). The Imperial System: Byzantine Society and Civilization, 8th c.-1204]

[*History 80b (formerly *History 1122). Persons and Things in Medieval Europe]

***History 80c (formerly *History 1158). The Mediterranean in the Late Middle Ages, 1204-1500**

***History 84c (formerly *History 1610). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America**

[History 1000 (formerly History 10a). Western Societies, Politics, and Cultures: From Antiquity to 1650]

History 1010 (formerly History 1085). The Roman Empire, Augustus to Constantine

[History 1040 (formerly History 1111). The Fall of the Roman Empire]

[History 1050 (formerly History 1101). Medieval Europe]

[History 1055 (formerly History 1121). Vengeance, Hatred, and Law in Premodern Europe]

History 1060. Europe and Its Borders, 950-1550 - (New Course)

History 1080 (formerly History 1150). The Jews in Muslim and Christian Spain

History 1221 (formerly History 1421). Ireland 1689-1922

[History 1300 (formerly History 20a). Western Intellectual History: Greco-Roman Antiquity]

[History 1301 (formerly History 20b). Western Intellectual History: The Middle Ages to the



Seventeenth Century]

[History 1455 (formerly History 1650a). The United States in the World, to 1920]

[History 1626. Modern Chinese History, 1644-1949 - \(New Course\)](#)

[History 1700 \(formerly History 1904\). The History of Sub-Saharan Africa to 1860](#)

[*History and Literature 90p. Perverse Idols: The Cultures of fin-de-siècle Europe - \(New Course\)](#)

[History of Science 161. The Scientific Revolution](#)

Literature and Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Literature and Arts A

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

Literature and Arts B

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

Literature and Arts C

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

Literature and Arts A

[Literature and Arts A-11. Arthurian Literature: Epic versus Romance](#)

Catalog Number: 0995

James Simpson



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

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

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

Catalog Number: 0691

Judith Ryan

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

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

Note: Expected to be omitted in 2009–10.

Literature and Arts A-17. Childhood: Its History, Philosophy, and Literature

Catalog Number: 4852 Enrollment: Limited to 200.

Maria Tatar

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

With the so-called discovery or invention of childhood in the 16th and 17th centuries came a newfound emotional attachment, imaginative investment, and philosophical interest in the child. We explore literature for the child (*Alice in Wonderland*) as well as literature about the child (*Lolita*) and investigate how childhood has been constructed, investigated, and represented. Analysis of works by Locke, Rousseau, and Freud, as well as Dickens, J. M. Barrie, Henry James, and Roald Dahl.

Note: Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or Culture and Belief, but not both.

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

Catalog Number: 5808

Helen Vendler

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

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



Note: Expected to be omitted in 2009–10. Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding.

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

Catalog Number: 6090

Lino Pertile

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4 Studies Dante's *Divine Comedy* as an enduring work of poetry, a major text of the European literary tradition, and the most comprehensive synthesis of medieval culture. Largely based on textual analysis, the course looks at how literature works in relation to, on the one hand, the language and rhetorical tradition in which it is expressed and, on the other, the culture which it expresses and interprets. Particular attention is paid to the poem's central philosophical concerns, from the role of the individual in history and society to the relationship between progress and happiness, and between politics and morality.

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

Catalog Number: 0172

Bennett Simon (Medical School)

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

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

Note: Expected to be omitted in 2009–10.

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

Catalog Number: 0189

Justin Weir

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14 Surveys central theories of authorship in the western tradition and considers how they have been realized and transformed by Russian writers. We analyze the process by which different concepts of the self, as shaped by Plato, Descartes, Rousseau, and others, have been creatively appropriated by seminal Russian authors, such as Pushkin, Dostoevsky, Tolstoy, Bulgakov, and Nabokov, in order to articulate their own ideas of the relationship between writing and identity. Concludes with an examination of how new technology and recent copyright laws have affected post-Soviet notions of authorship.

Note: Expected to be given in 2009–10.

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

Catalog Number: 6627

Virginie Greene

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



14

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

Note: No knowledge of French required.

[Literature and Arts A-48. Modern Jewish Literature]

Catalog Number: 1250

Ruth R. Wisse

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 1565

Richard F. Thomas

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13 Begins with the *Aeneid*, paradigmatic epic of the West, from various perspectives, involving literary aesthetics and translation theory, Homeric and other intertextuality, concepts of heroism and anti-heroism, individual choice vs. public responsibility, critique of empire then, now, and in between. Concurrent attention to Virgil tradition in early Christianity, Dante, Milton, Dryden, the Romantics, post-WWI Modernists; influence on music, art, and iconography. Subsequent focus on the *Eclogues* and *Georgics*, their place in the traditions of European pastoral and didactic, status as works of early Augustan poetry, and reception from Petrarch to Heaney.

Note: Expected to be omitted in 2009–10. Expected to be omitted in 2009-10. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding.

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

Catalog Number: 8681

Peter Machinist and Bennett Simon (Medical School)

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

Examines the representation of “self” and “other” in two literatures foundational to Western culture, Classical Greek and Biblical Hebrew. The premise is the necessity of an “other” in order to define the “self.” Starts with “Athens” and “Jerusalem” as emblematic of the self/other polarity that the West drew out of these literatures. Then explores in them other manifestations of self and other: group identity and group origins, woman and deity as other, the development of



heroic selfhood, and the emergence of self-knowledge. Emphasizes throughout how poetic and narrative forms both shape and are shaped by visions of self and other.

Note: Expected to be given in 2009–10.

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

Catalog Number: 8286

Wilt L. Idema

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

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

Note: Expected to be given in 2009–10.

[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 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

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

Catalog Number: 0631

Catherine McKenna

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

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

Note: Expected to be omitted in 2009–10.



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

Catalog Number: 7991

Peter Machinist

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

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

Note: Expected to be given in 2010–11.

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

Catalog Number: 7800

Leo Damrosch

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

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

Note: Expected to be omitted in 2009–10.

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

Catalog Number: 7442

John Stauffer

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

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

Note: Expected to be omitted in 2009–10.

Literature and Arts A-88. Interracial Literature

Catalog Number: 1086

Werner Sollors

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

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



from representations of racial difference to alternative plot resolutions, and from religious and political to legal and scientific contexts for the changing understanding of “race.” Focus is on the European tradition and the Harlem Renaissance.

Note: Expected to be omitted in 2009–10. Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding.

[Literature and Arts A-90. Forbidden Romance in Modern China]

Catalog Number: 7766

David Der-wei Wang

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

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

Note: Expected to be given in 2009–10.

[Literature and Arts A-92. Love In A Dead Language: Classical Indian Literature and Its Theorists]

Catalog Number: 6240

Parimal G. Patil

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

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

Note: Expected to be given in 2009–10.

Literature and Arts A-93. The Hebrew Bible and Its Worlds - (New Course)

Catalog Number: 9783

Shaye J.D. Cohen

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

This course is a survey of the major books, genres, institutions, and ideas of the Hebrew Bible (commonly called the Old Testament). The course will also treat the historical contexts in which the Bible emerged, and the Bible’s role as canonical scripture in Judaism and Christianity.

Note: Expected to be omitted in 2009–10. All readings in translation. No prior knowledge of the subject is assumed.

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

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



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

French 70a. Introduction to French Literature I: From the Middle Ages to Modernity

Departmental courses that satisfy the Literature and Arts A requirement

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

Aesthetic and Interpretive Understanding 11. Poetry Without Borders - (New Course)

Aesthetic and Interpretive Understanding 15 (formerly English 34). Elements of Rhetoric

African and African American Studies 185. Perspectives on the African Novel

English 10a. Major British Writers I

English 10b. Major British Writers II

English 90qz. Poetry in America - (New Course)

English 121. Shakespeare After Hamlet - (New Course)

English 151. The 19th-Century Novel

English 154. Literature and Sexuality - (New Course)

English 157. The Classic Phase of the Novel

***English 158. The Novel in Europe - (New Course)**

English 160c. Modern British Fiction: Conrad to Beckett

English 168d. Postwar American and British Fiction

English 169. Modern American Poetry - (New Course)

English 178x. The American Novel: Dreiser to the Present

English 185. Wit and Humor

French 70a. Introduction to French Literature I: From the Middle Ages to Modernity

French 70b. Introduction to French Literature II: Representations of Change From the Romantics to the Present

French 70c. Introduction to French Literature III: The Francophone World

French 102. Introduction to Medieval Literature and Old French - (New Course)

French 132b. 20th-Century French Fiction II: The Experimental Mode

French 161. Walk, Look, Write: 19th-Century Flâneurs and Flâneuses

French 165. Marcel Proust

German 71 (formerly German 50a). German Literature from Goethe to Nietzsche

German 72 (formerly German 50b). German Literature from Kafka to Jelinek

German 120. Age of Goethe - (New Course)

[German 151. Franz Kafka: Modernity and Its Discontents]

***Humanities 10. An Introductory Humanities Colloquium**

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

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

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

Literature 11. Writing Across Cultures: Literatures of the World (from 1750 to the present)



Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture

Scandinavian 65. Survey of Modern Scandinavian Literature

Scandinavian 150 (formerly Scandinavian 80). The Vikings and the Nordic Heroic Tradition

[Slavic 145b. Russian Literature and Revolution]

Slavic 152. Pushkin

Spanish 65. Bilingual Arts - (New Course)

Spanish 181. Cuentos and cuentas: The Economy of Short Story - (New Course)

[Spanish 191. Jorge Luis Borges and Julio Cortázar]

Studies of Women, Gender, and Sexuality 1122. The Romance: From Jane Austen to Chick Lit

Literature and Arts B

Literature and Arts B-11. The Art of Film

Catalog Number: 4249 Enrollment: Limited to 200.

D. N. Rodowick

Half course (fall term). Tu., Th., at 12; screenings, Tu., 4-6:30, and a weekly section to be arranged. Additional weekly required screenings scheduled on Tuesdays from 4-6:30 pm. EXAM GROUP: 14

An introduction to film style and aesthetics with a focus on developing critical and formal analytical skills. Through readings and screenings of a broad range of films, the class examines the primary visual, aural, and narrative conventions by which motion pictures create and comment upon significant social experience. Issues of mise-en-scène, framing, image composition, photographic space, editing, sound, narrative structure, and point of view will be discussed as components of cinematic style and meaning.

Note: Expected to be omitted in 2009–10.

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

Catalog Number: 3243

Alex Krieger (Design School)

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

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

Note: Expected to be omitted in 2009–10.

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

Catalog Number: 2267



David G. Mitten

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

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

[Literature and Arts B-23. The Japanese Woodblock Print]

Catalog Number: 4914

Yukio Lippit

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 5649

Robin E. Kelsey

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

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

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

Catalog Number: 5822

Suzanne P. Blier

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

Examines the royal arts of Africa, at once providing an overview of key themes in royal African art and discussing what these arts reveal about the nature of kingship generally. The diverse ways that African rulers have employed art and architecture to define individual and state identity are considered in the context of key traditions from West, Central, Eastern, and Southern Africa.



Among the topics to be discussed are palace architecture, royal regalia, status prerogatives, women of the court, divine kingship, state cosmology, royal burial, enthronement ceremonies, dynastic history, and the importance of art in diplomacy and war.

Note: Expected to be given in 2009–10.

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

Catalog Number: 1678

Gülru Necipoglu-Kafadar

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

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

Note: Expected to be given in 2009–10.

Literature and Arts B-49. Modernisms 1865–1968

Catalog Number: 7619

Benjamin Buchloh

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

This course introduces the complex and contradictory history of modernism in the visual arts of Europe and the US, focusing on central figures (e.g. Manet, Picasso, Duchamp, Warhol) and movements (e.g. Cubism, Dada, Soviet Avant-garde), as much as on the key concepts of that history. Lectures will emphasize the methodological diversity developed within recent art history to theorize and historicize Modernism. Readings will comprise key texts by artists, historians, and critics.

Note: Expected to be omitted in 2009–10.

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

Catalog Number: 0144

Thomas Forrest Kelly

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

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

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding. This course fulfills



the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Literature and Arts B-52. Mozart

Catalog Number: 3672

Robert D. Levin

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

The course will examine a different domain of Mozart's *oeuvre* each time it is taught, this time treating the piano sonatas. The origin of sonata forms precedes study of a representative selection of the 18 piano sonatas. Style and rhetoric will be central concerns, and attention will be given to evolution in interpretative style through listening to historic as well as recent recordings. The assigned works will be demonstrated by live performances by the professor.

Note: Expected to be omitted in 2009–10.

[Literature and Arts B-62. The Politics of Music]

Catalog Number: 0535

Alexander Rehding and Eric M. Nelson

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

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

Note: Expected to be given in 2010–11.

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

Catalog Number: 1520

Christoph Wolff

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

A study of the music of J.S. Bach in various contexts, focusing on selected vocal and instrumental compositions with particular attention to biographical perspectives, style, genre, and the music of major contemporaries. Beyond this, the encyclopedic nature of Bach's creative output, which renders him one of the most seminal figures in the history of music, lends itself to an examination of his relationship to musical traditions from the Middle Ages through the Baroque, as well as his influence on compositional techniques and aesthetics from the 18th through the 20th century.

Note: Expected to be given in 2009–10.

[Literature and Arts B-68. Opera]

Catalog Number: 0940

Anne C. Shreffler

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



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

Note: Expected to be given in 2009–10.

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

Catalog Number: 2093

Kay Kaufman Shelemay

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

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

Note: Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or Culture and Belief, but not both.

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

Catalog Number: 9532

Ingrid Monson

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

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

Note: Expected to be omitted in 2009–10.

[Literature and Arts B-85. American Musicals and American Culture]

Catalog Number: 2449 Enrollment: Limited to 150.

Carol J. Oja

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

During much of the 20th century, the Broadway musical stood at the center of American culture, producing tunes and tales that became the hits of their day. It commented—wittily, satirically,



relentlessly—on the ever-shifting social and political landscape, with subjects ranging from new immigrants to poverty, power, westward expansion, and issues of race. This course explores the musical artistry and cultural resonances of a cluster of iconic Broadway musicals on stage and screen, including *Shuffle Along*, *Show Boat*, *Stormy Weather*, *The Cradle Will Rock*, *Oklahoma!*, and *Pacific Overtures*. Readings focus on primary sources drawn from Harvard's illustrious Theatre Collection.

Note: Expected to be given in 2009–10.

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

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

[Anthropology 2125. The Moche of Ancient Peru: Politics, Economy, Religion and Art - \(New Course\)](#)

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

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

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

[History of Art and Architecture 17y. American Encounters: Art, Contact, and Conflict, 1560-1860](#)

Departmental courses that satisfy the Literature and Arts B requirement

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

[African and African American Studies 145. Hiphop World Order: Appropriation, Localization, and Racial Identification of Global Hiphop - \(New Course\)](#)

[African and African American Studies 182. R & B, Soul, and Funk - \(New Course\)](#)

[Anthropology 1720. Anthropology, Cultural Studies, and Film]

[Anthropology 1950. Material Images: The Anthropology of Photography - \(New Course\)](#)

[Anthropology 2125. The Moche of Ancient Peru: Politics, Economy, Religion and Art - \(New Course\)](#)

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

[Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200-300 BCE](#)

[English 197. Religion and American Film](#)

[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context](#)

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

[History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance](#)

[History of Art and Architecture 12m. Monuments and Cities of the Islamic World: An Introduction - \(New Course\)](#)

[History of Art and Architecture 17y. American Encounters: Art, Contact, and Conflict, 1560-1860](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s](#)



History of Art and Architecture 120n. Art of the Timurids in Greater Iran and Central Asia - (New Course)

[History of Art and Architecture 152. Italian Renaissance Art]

History of Art and Architecture 155p. Jan van Eyck and the Rise of Painting

History of Art and Architecture 175y. Visual Culture of Weimar Germany (1919-1937) - (New Course)

History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec

Music 1a. Introduction to Western Music from the Middle Ages to Mozart

[Music 1b. Introduction to Western Music from Beethoven to the Present]

Music 2. Foundations of Tonal Music I

[Studies of Women, Gender, and Sexuality 1133. Gender and Performance]

Visual and Environmental Studies 71. Silent Cinema

Visual and Environmental Studies 72. Sound Cinema

Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts

***Visual and Environmental Studies 185x. Visual Fabrics: Film, Fashion and Material Culture: Seminar**

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

[Visual and Environmental Studies 189. Exploring Culture Through Film]

Literature and Arts C

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

Catalog Number: 3915

Gregory Nagy

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

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

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

Catalog Number: 7384

Diana L. Eck

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

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

Note: Expected to be given in 2009–10. 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 2009–10.

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

Catalog Number: 2798

Michael S. Flier

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

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

Note: Expected to be given in 2009–10. All readings in English.

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

Catalog Number: 7952

William Mills Todd III

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

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

Note: Expected to be omitted in 2009–10. No knowledge of Russian required.

Literature and Arts C-40. The Chinese Literati

Catalog Number: 5226

Peter K. Bol

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

Examines from literary, philosophical, and historical perspectives the creation in later imperial China of an enduring national culture, which flourished through dynastic change and foreign conquest. Particular attention is given to the role of the literati and their work as poets, essayists, novelists, painters, moral philosophers, and political thinkers. Themes include the relation of culture to political authority, the search for grounds for individual responsibility, the literary and



artistic representation of the self, growing ambivalence toward political service, and the rise of individualism. Introduces Chinese approaches to interpreting literary, artistic, and philosophical works.

Note: Expected to be omitted in 2009–10. For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

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

Catalog Number: 2786

Julie A. Buckler

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

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

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

Catalog Number: 6984

John E. Malmstad

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

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

Note: Expected to be given in 2009–10. 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-56. Putting Modernism Together]

Catalog Number: 8437

Daniel Albright

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

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

Note: Expected to be given in 2009–10.



Literature and Arts C-61. The Rome of Augustus

Catalog Number: 1101

R. J. Tarrant

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

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

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

Note: For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World.

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

Catalog Number: 4312

Peter J. Burgard

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

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

Note: Expected to be given in 2009–10. No knowledge of German required.

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

Catalog Number: 5275

Shaye J.D. Cohen

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

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

Note: Expected to be given in 2009–10.

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



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

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

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

[Foreign Cultures 67. Popular Culture in Modern China]

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

Literature and Arts C-61. The Rome of Augustus

Departmental courses that satisfy the Literature and Arts C requirement

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

Aesthetic and Interpretive Understanding 13 (formerly Spanish 180). Cultural Agents

[Aesthetic and Interpretive Understanding 14. (formerly Literature and Arts C-56).

Putting Modernism Together] - (New Course)

Chinese 187. Art and Violence in the Cultural Revolution

[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures] - (New Course)

Culture and Belief 13. The Contested Bible: The Sacred-Secular Dance - (New Course)

Culture and Belief 15. The Presence of the Past - (New Course)

Culture and Belief 16 (formerly Folklore and Mythology 100). Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology - (New Course)

English 127 (formerly Humanities 27). A Silk Road Course: Travel and Transformation on the High Seas: An Imaginary Journey in the Early 17th Century

English 156. Crime and Horror in Victorian Literature and Culture

English 171a. Colonial American Literature - (New Course)

Folklore and Mythology 126. Continuing Oral Tradition in Native American Literature

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

German 165. Literary and Visual Culture of Weimar Germany - (New Course)

Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages

Portuguese 151 (formerly Portuguese 251). Culture in Turmoil: Brazil in the 50s, 60s and 70s

Spanish 70c. Documenting Spanish Modernity: A Survey of Spanish Literature and Culture from 1700

Spanish 71b. The Modern Era of Latin American Literature

Spanish 110. Hispanic Literature: The Middle Ages - (New Course)



Moral Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Moral Reasoning

[Moral Reasoning 17. Democracy and Inequality]

Catalog Number: 6085

Harvey C. Mansfield

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

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

Note: Expected to be given in 2009–10.

Moral Reasoning 22. Justice

Catalog Number: 3753 Enrollment: Limited to 1000.

Michael J. Sandel

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

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

Note: Expected to be omitted in 2009–10. Expected to be omitted in 2009-10. This course, when taken for a letter grade, meets the General Education requirement for Ethical Reasoning.

[Moral Reasoning 28. Ethics and International Relations]

Catalog Number: 0642

Stanley Hoffmann

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

Is ethical action in international affairs possible—or does the absence of global moral consensus and a central world government doom states and citizens to the amoral pursuit of clashing national interests? The course considers contrasting arguments by philosophers and social thinkers (e.g., Thucydides, Machiavelli, Kant, and Weber) as well as specific issues in



contemporary international politics: intervention and the use of force, the morality of nuclear deterrence, human rights, distributive justice, and the moral responsibilities of leaders and citizens.

Note: Expected to be given in 2009–10.

[Moral Reasoning 33. Issues in Ethics]

Catalog Number: 2255

Thomas M. Scanlon, Jr.

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 0466

Wei-Ming Tu

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

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 care ethics, a form of "virtue-centered" morality, attention is also given to a critical analysis of the limits of Confucian ethics in light of contemporary discussions of such issues as human rights and political authority.

Note: Expected to be given in 2009–10. Expected to be omitted in 2010–11.

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

Catalog Number: 1321

Jay M. Harris

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

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

Note: Expected to be given in 2009–10.

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 omitted in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Ethical Reasoning.

[Moral Reasoning 58. Slavery in Western Political Thought]

Catalog Number: 8892

Richard Tuck

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

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

Note: Expected to be given in 2009–10.

[Moral Reasoning 66. Moral Reasoning about Social Protest]

Catalog Number: 7778

Susanna Siegel

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

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

Note: Expected to be given in 2009–10.

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

Catalog Number: 1631

Nancy Lipton Rosenblum

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

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



Readings from literature, court cases, and moral and political theory.

Note: Expected to be given in 2009–10.

Moral Reasoning 74. The Theory and Practice of Republican Government

Catalog Number: 1489

Daniel P. Carpenter

Half course (spring term). Tu., Th., at 10; M., at 1; Th., at 4; F., at 10, and a weekly section to be arranged. EXAM GROUP: 12

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

Note: Expected to be omitted in 2009–10.

[Moral Reasoning 76. Comparative Religious Ethics]

Catalog Number: 7037

Anne E. Monius (Divinity School)

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

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

Note: Expected to be given in 2009–10.

[Moral Reasoning 78. Classical Chinese Ethical and Political Theory]

Catalog Number: 9742

Michael J. Puett

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

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

Note: Expected to be given in 2009–10.



[Moral Reasoning 80. The Good Life In Classical India]

Catalog Number: 5520

Parimal G. Patil

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

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

Note: Expected to be given in 2009–10.

Moral Reasoning 82. Trust, Vision, and Doubt in Ethics, Politics, and Law

Catalog Number: 4453

Scott Brewer (Law School)

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

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

Departmental courses that satisfy the Moral Reasoning requirement

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

Culture and Belief 14. Human Being and the Sacred in the History of the West - (New Course)

Ethical Reasoning 11. Human Rights: A Philosophical Introduction - (New Course)

Ethical Reasoning 12. Political Justice and Political Trials - (New Course)

Government 1060. Ancient and Medieval Political Philosophy

Government 1061. The History of Modern Political Philosophy

[Government 1082. What is Property?]

Government 1510. American Constitutional Law

[History 1300 (formerly History 20a). Western Intellectual History: Greco-Roman Antiquity]

[Philosophy 168. Kant's Ethical Theory]

Philosophy 173. Metaethics

Philosophy 175. Ethical Theory

Philosophy 179. Race and Social Justice - (New Course)



Quantitative Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Quantitative Reasoning

Quantitative Reasoning 20. Computers and Computing

Catalog Number: 5430

William H. Bossert

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

GROUP: 13, 14

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

Note: Expected to be omitted in 2009–10. Previous programming experience is not required.

Quantitative Reasoning 22. Deductive Logic

Catalog Number: 2508

Warren Goldfarb

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

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

Quantitative Reasoning 28. The Magic of Numbers

Catalog Number: 4764

Michael J. Hopkins

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

This course will explore the beauty and mystery of mathematics through a study of the patterns and properties of the natural numbers 1, 2, 3, ... We discuss various special classes of numbers,



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

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

Quantitative Reasoning 32. Uncertainty and Statistical Reasoning

Catalog Number: 2228

Carl N. Morris

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

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

[Quantitative Reasoning 33. Causal Inference]

Catalog Number: 0424

Donald B. Rubin

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

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

Note: Expected to be given in 2010–11.

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

Catalog Number: 9479

Alyssa A. Goodman

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

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



data. Much of the course's philosophy is based on the work of Edward Tufte.

Note: Expected to be given in 2009–10.

Quantitative Reasoning 48. Bits

Catalog Number: 2793

Harry R. Lewis

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

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

Note: Mathematical methods will be developed in the context of the course material. No mathematical background beyond high-school algebra is required. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning.

Quantitative Reasoning 50. Medical Detectives

Catalog Number: 5707

Karin B. Michels (Medical School, Public Health)

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

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

Note: Expected to be omitted in 2009–10.

Departmental courses that satisfy the Quantitative Reasoning requirement

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

Applied Mathematics 21a. Mathematical Methods in the Sciences

Applied Mathematics 21b. Mathematical Methods in the Sciences

Computer Science 1. Great Ideas in Computer Science

Computer Science 50. Introduction to Computer Science I

Economics 1123. Introduction to Econometrics

Economics 1126. Quantitative Methods in Economics

Government 50. Introduction to Political Science Research Methods

Government 1000. Quantitative Methods for Political Science I


[Government 1015. Strategic Models of Political Economy]
[Mathematics 1a. Introduction to Calculus](#)
[Mathematics 1b. Calculus, Series, and Differential Equations](#)
[Mathematics 19a. Modeling and Differential Equations for the Life Sciences](#)
[Mathematics 19b. Linear Algebra, Probability, and Statistics for the Life Sciences](#)
[Mathematics 20. Algebra and Multivariable Mathematics for Social Sciences](#)
[Mathematics 21a. Multivariable Calculus](#)
[Mathematics 21b. Linear Algebra and Differential Equations](#)
[Mathematics 23a. Linear Algebra and Real Analysis I](#)
[Mathematics 23b. Linear Algebra and Real Analysis II](#)
[Mathematics 25a. Honors Linear Algebra and Real Analysis I](#)
[Mathematics 25b. Honors Linear Algebra and Real Analysis II](#)
[*Mathematics 55a. Honors Abstract Algebra](#)
[Mathematics 55b. Honors Real and Complex Analysis](#)
[Mathematics 101. Sets, Groups and Topology](#)
[Mathematics 154 \(formerly Mathematics 191\). Probability Theory](#)
[Statistics 100. Introduction to Quantitative Methods for the Social Sciences and Humanities](#)
[Statistics 101. Introduction to Quantitative Methods for Psychology and the Behavioral Sciences](#)
[Statistics 102. Fundamentals of Biostatistics](#)
[Statistics 104. Introduction to Quantitative Methods for Economics](#)
[Statistics 105. Real-Life Statistics: Your Chance for Happiness \(or Misery\)](#)
[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-29. The Nature of Light and Matter

Catalog Number: 1706

Roy J. Glauber, Melissa Franklin, and Amir Yacoby

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

GROUP: 4

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

Science A-35. The Energetic Universe

Catalog Number: 5923 Enrollment: Limited to 325.

Robert P. Kirshner

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

GROUP: 13, 14

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

Science A-36. Observing the Sun and the Stars

Catalog Number: 4775

Jonathan E. Grindlay and Lisa Kaltenegger

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

Direct observations of the Sun and the stars, to learn how we can understand the Galaxy and the Universe from stars, the basic building blocks. In small sections, students conduct visual observations to measure apparent motions of the Sun and stars and make hands-on telescopic observations of the Sun and stars using modern instrumentation to explore their energy output, relative distances, temperatures and chemical composition, and something of their life histories.



Lectures and readings discuss the physical nature and evolution of stars in our Milky Way Galaxy, and how observing stars in distant galaxies enables us to map the Universe.

[Science A-39. Time]

Catalog Number: 0077

Gary J. Feldman

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

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

Note: Expected to be given in 2009–10.*Prerequisite:* Some knowledge of secondary school physics useful, but not required.**Science A-41. The Einstein Revolution**

Catalog Number: 3581

Peter L. Galison

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

Albert Einstein has become the icon of modern science. Following his scientific, cultural, philosophical, and political trajectory, this course aims to track the changing role of physics in the 20th- and 21st- centuries. Addresses Einstein’s engagement with relativity, quantum mechanics, Nazism, nuclear weapons, philosophy, and technology, and raises basic questions about what it means to understand physics and its history.

Note: Expected to be omitted in 2009–10.**Science A-43. Environmental Risks and Disasters**

Catalog Number: 6001 Enrollment: Limited to 140.

Brendan J. Meade

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

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

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe.



[Science A-45. Reality Physics]

Catalog Number: 4562

Gerald Gabrielse

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

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

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe.

[Science A-47. Cosmic Connections]

Catalog Number: 6940

David Charbonneau

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

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

Note: Expected to be given in 2009–10.

Science A-49. The Physics of Music and Sound

Catalog Number: 8987

Eric J. Heller

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

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

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe.

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

Catalog Number: 5565

George M. Whitesides and Mara Prentiss

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



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

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

Catalog Number: 1387

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

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

Note: Expected to be given in 2009–10.*Prerequisite:* Students are expected to have a background of high school algebra and trigonometry.**[Science A-54. Life as a Planetary Phenomenon]**

Catalog Number: 5680

*Andrew H. Knoll and Dimitar D. Sasselov**Half course (spring term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM GROUP: 13, 14*

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

Note: Expected to be given in 2009–10.***Departmental courses that satisfy the Science A requirement***

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

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



[Chemistry 20. Organic Chemistry](#)
[Chemistry 27. Organic Chemistry of Life](#)
[Chemistry 30. Organic Chemistry](#)
[Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere](#)
[Earth and Planetary Sciences 7. Introduction to Geological Sciences](#)
[Earth and Planetary Sciences 109. Earth Resources and the Environment](#)
[Earth and Planetary Sciences 133. Atmospheric Chemistry](#)
[*Engineering Sciences 1. Introduction to Engineering Sciences - \(New Course\)](#)
[*Engineering Sciences 50. Introduction to Electrical Engineering](#)
[Engineering Sciences 51. Computer-Aided Machine Design]
[Life and Physical Sciences A. Foundational Chemistry and Biology](#)
[Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology](#)
[Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences](#)
[Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion](#)
[Physical Sciences 3. Electromagnetism, Waves, Imaging, and Information](#)
[Physics 11a. Mechanics](#)
[Physics 11b. Electricity, Magnetism, and Waves](#)
[Physics 15a. Introductory Mechanics and Relativity](#)
[Physics 15b. Introductory Electromagnetism](#)
[Physics 15c. Wave Phenomena](#)
[Physics 16. Mechanics and Special Relativity](#)

Science B

Science B-23. The Human Organism

Catalog Number: 6581

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

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

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

[Science B-27. Human Evolution]

Catalog Number: 0470

Daniel E. Lieberman

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

**EXAM GROUP: 15, 16**

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

Note: Expected to be given in 2009–10.

Science B-29. Evolution of Human Nature

Catalog Number: 0152 Enrollment: Limited to 300.

Richard W. Wrangham, Marc D. Hauser, and Karen L. Kramer

Half course (spring term). M., W., 1–2:30, and a 90-minute weekly section/laboratory to be arranged. EXAM GROUP: 6, 7

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

Science B-35. How to Build a Habitable Planet

Catalog Number: 7621

Charles H. Langmuir

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

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

Note: Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe.

Science B-40. The Biology of Trees and Forests

Catalog Number: 2635

Donald H. Pfister

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

Trees are prominent and important organisms in the ecosystem. By photosynthesis, trees convert carbon dioxide into organic molecules that are used as energy reserves and as structural



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

[Science B-44. Vision and Brain]

Catalog Number: 4722

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

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

Note: Expected to be given in 2009–10.**Science B-53. Marine Biology**

Catalog Number: 7050

*Robert M. Woollacott**Half course (fall term). Tu., Th., 11:30–1, and a two-hour weekly section/laboratory to be arranged, including one required field trip. EXAM GROUP: 13, 14*

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. Explores human impacts on marine organisms and ecosystems.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems.**[Science B-57. Dinosaurs and Their Relatives]**

Catalog Number: 0793

*Charles R. Marshall**Half course (fall term). Tu., Th., 9:30–11, and a weekly section to be arranged. EXAM GROUP: 11, 12*

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

Note: Expected to be given in 2009–10.**Science B-60. Origins of Knowledge**

Catalog Number: 8280

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

This course explores the origins and development of knowledge in the human child, in relation to two larger time scales: biological evolution and historical/cultural change. Drawing on evidence



from experimental, comparative, and developmental psychology, cultural anthropology, linguistics, cognitive neuroscience, and history of science, it focuses on knowledge development in the domains of number, space, mind, biology, physics, and language. Questions include: How does human biology constrain and support human cognition? How variable are human knowledge systems across different cultures and times? What aspects of knowledge are unique to humans? How does knowledge change as children grow and adults gain expertise?

Science B-62. The Human Mind: An Introduction to Mind, Brain, and Behavior

Catalog Number: 3167

Steven Pinker

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

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

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems. For Psychology, this course can meet the Psychology 1 prerequisite for other Psychology courses; Meets the Tier 1 course requirement for MBB Psychology track only.

[Science B-64. Feeding the World; Feeding Yourself]

Catalog Number: 2078

N. Michele Holbrook and Noreen Tuross

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

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

Note: Expected to be given in 2010–11.

Science B-65. Evolutionary Biology

Catalog Number: 9680

Jonathan Losos

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

An exploration of the process of biological evolution, the way the biosphere and its inhabitants have changed through time, and how human actions affect the evolutionary process, thereby



changing our contemporary biological environment. The mechanics and pace of evolution are examined from the molecular to the species level with an emphasis on the ecological context of natural selection. Modern approaches to the study of evolution—from genome sequencing to manipulative experiments in natural populations—are emphasized. Current controversies over the occurrence of evolution are discussed.

Departmental courses that satisfy the Science B requirement

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

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

[Life and Physical Sciences A. Foundational Chemistry and Biology](#)

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

[Life Sciences 2. Evolutionary Human Physiology and Anatomy](#)

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

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

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

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

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

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

[OEB 55 \(formerly Biological Sciences 55\). Ecology: Populations, Communities, and Ecosystems](#)

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

[OEB 59 \(formerly OEB 104\). Plants and Human Affairs](#)

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

[Science of Living Systems 11. \(formerly Science B-47\). Molecules of Life - \(New Course\)](#)

[Science of Living Systems 12. Understanding Darwinism - \(New Course\)](#)

Social Analysis

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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

Social Analysis

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

Catalog Number: 3660

N. Gregory Mankiw, and members of the Economics Department



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

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

Note: Microeconomics (taught in the fall term) is a prerequisite for macroeconomics (taught in the spring term). Students may elect to take only the fall microeconomics course and receive a half-course credit. Taught in a mixture of lectures and small sections. No calculus is used, and there is no mathematics background requirement. Designed for both potential economics concentrators and those who plan no further work in the field. The Department of Economics strongly encourages students considering concentration to take the full-year course in their freshman year. This is a required course for all economics concentrators and a prerequisite for higher level courses in economics. This course, when both semesters are taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or United States in the World, but not both.

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

Catalog Number: 4247

Arthur Kleinman

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

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

Note: Expected to be given in 2009–10.

Social Analysis 34. Knowledge of Language

Catalog Number: 2069

Maria Polinsky

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

What does our ability to acquire and use a language tell us about our essential human nature? This course examines the view of modern linguistics that knowledge of language is best characterized as an unconsciously internalized set of abstract rules and principles. Evidence is drawn from a variety of signed and spoken languages, language universals, child language acquisition, language change, language disorders, and language games. The course also addresses central issues in psychology, animal communication, computer science, and biology.

**Social Analysis 43. Psychological Trauma**

Catalog Number: 9983

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

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

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

Catalog Number: 3544

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

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

Note: This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning.

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

Catalog Number: 4409

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

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

Note: No previous knowledge of archaeology is necessary.

[Social Analysis 52. The Political Economy of Development]

Catalog Number: 1879

Robert H. Bates



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

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

Note: Expected to be given in 2009–10.

Social Analysis 54. American Society and Public Policy

Catalog Number: 6661

Theda Skocpol and Mary C. Waters

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

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

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

Catalog Number: 0916

Jennifer L. Hochschild

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

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

Note: This course, when taken for a letter grade, meets the General Education requirement for United States in the World.

Social Analysis 70. Food and Culture

Catalog Number: 3940

Theodore C. Bestor

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

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



Social Analysis 72. Economics: A Critical Approach

Catalog Number: 1885

Stephen A. Marglin

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

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

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

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

Catalog Number: 3835

John Huehnergard

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

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

Note: Expected to be omitted in 2009–10.

[Social Analysis 76. Global Health Challenges]

Catalog Number: 2178

Sue J. Goldie (Public Health, Medical School)

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

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



challenges to improving health at a global level.

Note: Expected to be given in 2009–10.

Social Analysis 80. World Poverty and Human Rights

Catalog Number: 0442

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

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

GROUP: 4

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

Departmental courses that satisfy the Social Analysis requirement

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

These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

Anthropology 1640. Language and Culture

Anthropology 1825. Health, Culture and Community: Case Studies in Global Health

Anthropology 1885. Desire, Duty, and Discontent: Ethnographic Examinations of Contemporary Urban "China" - (New Course)

Economics 1010a. Microeconomic Theory

Economics 1010b. Macroeconomic Theory

Economics 1011a. Microeconomic Theory

Economics 1011b. Macroeconomic Theory

[Economics 1400. The Contents of Globalization: Issues, Actors, and Decisions]

Government 20. Introduction to Comparative Politics

Government 30. American Government: A New Perspective

Government 1295. Comparative Politics in Latin America

Government 1780. International Political Economy

Government 1790. American Foreign Policy

[Sociology 176. Immigration and the Transformation of American Society]

Sociology 190. Life and Death in the US: Medicine and Disease in Social Context



General Education

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on General Education

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies (*Chair*)
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Julie A. Buckler, Professor of Slavic Languages and Literatures
Scott V. Edwards, Professor of Organismic and Evolutionary Biology and Alexander Agassiz Professor of Zoology
Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
Edward J. Hall, Professor of Philosophy
Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor (*on leave spring term*)
John Huth, Donner Professor of Science
Andrew W. Murray, Herchel Smith Professor of Molecular Genetics

As part of the Harvard College Curricular Review, the Faculty of Arts and Sciences voted to replace the existing, thirty-year-old Core Curriculum requirements with a new Program in General Education in order to align these requirements with the educational needs of Harvard College students at the dawn of the twenty-first century. In contrast with the Core Curriculum, which required that students be exposed to a number of different "ways of knowing," the new Program seeks explicitly to "connect a student's liberal education - that is, an education conducted in a spirit of free inquiry, rewarding in its own right - to life beyond college." In addition, the new Program in General Education seeks to provide new opportunities for students to learn - and faculty to teach - in ways that cut across traditional departmental and intra-University lines.

The new Program requires that students pass one letter-graded half-course in each of eight categories: Aesthetic and Interpretive Understanding; Culture and Belief; Empirical and Mathematical Reasoning; Ethical Reasoning; Science of Living Systems; Science of the Physical Universe; Societies of the World; United States in the World.

The new Program goes into effect for the Class of 2013. Current students may be permitted to switch to the new Program after it is launched, but all students in the Class of 2012 should enter the College planning to meet the Core requirements.

For the most up-to-date listing of General Education course offerings, please see the on-line version of *Courses of Instruction*, as well as the website (www.generaleducation.fas.harvard.edu).

Aesthetic and Interpretive Understanding



Aesthetic and Interpretive Understanding 11. Poetry Without Borders - (New Course)

Catalog Number: 0416

Stephanie Sandler

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

Studies poetry as a cultural practice that requires and perversely challenges visual, linguistic, geographic, and aesthetic borders. Main topics are translation (poems crossing borders), emigration/exile (poets crossing borders), and poetry and other arts (poems joining with music, film, photography, and philosophy). Poems and prose by Bernstein, Bei Dao, Brodsky, Grünbein, Howe, Kaminsky, Nabokov, Sebald, and Wright, among others; theoretical texts, sound recordings, visual images, films, and poetry performances. Frequent short written work. *Note:* This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Aesthetic and Interpretive Understanding 13 (formerly Spanish 180). Cultural Agents

Catalog Number: 0460

Doris Sommer

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

Explore the arts as social resources! Starting with a "Cultural Agents Fair" to meet local change artists as possible partners for collaborative projects (on mayors, music, murals, mimes, etc.), students will consider how defamiliarization and the counterfactual make change thinkable. Then we will track how aesthetic effects and side-effects can promote social change. Theoretical readings (Schiller, Kant, Dewey, Freire, Gramsci, Rancière, Mockus, Boal, García-Canclini, inter alia) are grounded in concrete cases of agency.

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

[Aesthetic and Interpretive Understanding 14. (formerly Literature and Arts C-56). Putting Modernism Together] - (New Course)

Catalog Number: 7613

Daniel Albright

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

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

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Aesthetic and Interpretive Understanding 15 (formerly English 34). Elements of Rhetoric

Catalog Number: 3820 Enrollment: Limited to 100.

James Engell

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



Classical rhetorical theory, as originating with Aristotle, in contemporary applications. The nature of rhetoric in modern culture; practical examples drawn from American history and literature 1765 to present; written exercises and attention to public speaking; briefly treats the history and educational importance of rhetoric in the West; stresses theory and practice as inseparable; non-concentrators encouraged.

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

Cross-listed courses that satisfy the Aesthetic and Interpretive Understanding requirement

[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures] - (New Course)

[English 90gz. Poetry in America - \(New Course\)](#)

[English 127 \(formerly Humanities 27\). A Silk Road Course: Travel and Transformation on the High Seas: An Imaginary Journey in the Early 17th Century](#)

[*English 158. The Novel in Europe - \(New Course\)](#)

[French 132b. 20th-Century French Fiction II: The Experimental Mode](#)

[*Humanities 10. An Introductory Humanities Colloquium](#)

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

[Literature 11. Writing Across Cultures: Literatures of the World \(from 1750 to the present\)](#)

[Literature and Arts A-17. Childhood: Its History, Philosophy, and Literature](#)

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

[Literature and Arts A-51. Virgil: Poetry and Reception](#)

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

[Literature and Arts A-88. Interracial Literature](#)

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

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

[Studies of Women, Gender, and Sexuality 1133. Gender and Performance]

Culture and Belief

[Culture and Belief 11. Medicine and the Body in East Asia and in Europe - \(New Course\)](#)

Catalog Number: 8736

Shigehisa Kuriyama

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

Comparative historical exploration of the striking differences and unexpected similarities between traditional conceptions of the body in East Asian and European medicine; the evolution of beliefs within medical traditions; the relationship between traditional medicine and contemporary experience.

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

[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures] - (New Course)



Catalog Number: 7027

Ali S. Asani

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

The course surveys the literary and artistic dimensions of the devotional life of the world's Muslim communities, focusing on the role of literature and the arts (poetry, music, architecture, calligraphy, etc.) as expressions of piety and socio-political critique. An important aim of the course is to explore the relationships between religion, literature, and the arts in a variety of historical and cultural contexts in the Middle East, sub-Saharan Africa, South Asia, Europe, and America.

Note: Expected to be given in 2009–10. No prior knowledge of Islam required. Offered jointly with the Divinity School as 3627. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or Aesthetic and Interpretive Understanding, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Culture and Belief 13. The Contested Bible: The Sacred-Secular Dance - (New Course)

Catalog Number: 9458

Jay M. Harris

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

A short history of the Bible. Questions addressed include how the Bible became a book, and how that book became sacred; the advantages and burdens of a sacred text; Jewish-Christian disputations; how interpretive efforts helped create and reinforce powerful elites; how that text became the object of criticism; and how the Bible fared after the rise of criticism.

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

Culture and Belief 14. Human Being and the Sacred in the History of the West - (New Course)

Catalog Number: 4605

Sean D. Kelly

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

What stand should we take on our lives, our activity, and who we are to be? Traditionally religion has guided us, but many argue that in our secular age it can no longer play that role. We approach these questions by considering the history of the understanding of human being and the sacred in the West. Readings chosen from among Homer, the Bible, Aeschylus, Virgil, Augustine, Dante, Luther, Shakespeare, Milton, Pascal, Nietzsche, Melville, and others.

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

Culture and Belief 15. The Presence of the Past - (New Course)

Catalog Number: 7544

Julie A. Buckler



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

Explores how material artifacts and physical markers of the past help create contemporary cultural landscapes and how societies variously construct and employ "a usable past." Examples from United States, post-Soviet sphere, Europe and postcolonial states illustrate the workings of cultural politics, collective memory, museums, monuments, memorials, souvenirs, memorabilia, and commemorative practices. Literary texts, artworks, and film suggest diverse cultural meanings of the past as presence.

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

Culture and Belief 16 (formerly Folklore and Mythology 100). Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology - (New Course)

Catalog Number: 6753

Stephen A. Mitchell

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

Examines major forms of folklore (e.g., myths, legends, epics, beliefs, rituals, festivals) and the theoretical approaches used in their study. Analyzes how folklore shapes national, regional, and ethnic identities, as well as daily life; considers the function of folklore within the groups that perform and use it, employing materials drawn from a wide range of areas (e.g., South Slavic oral epics, American occupational lore, Northern European ballads, witchcraft in Africa and America, Cajun Mardi Gras).

Note: Required of Concentrators and for the Secondary Field in Folklore & Mythology. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Culture and Belief 17 (formerly Historical Studies B-06). Institutional Violence and Public Spectacle: The Case of the Roman Games

Catalog Number: 2603

Kathleen M. Coleman

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

Gladiatorial combat, beast fights, staged hunts, mock naval battles, and exposure of criminals to wild animals were defining features of the culture of ancient Rome. Examining texts and images from across the Roman world, this course seeks to identify and probe the values, attitudes, and social, political, and economic factors that contributed to the popularity of institutionalized violence as public entertainment for six hundred years from the Punic Wars until the Christianization of the Empire.

Note: Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the Core requirement for Historical Studies B.

Cross-listed courses that satisfy the Culture and Belief requirement

Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context

Folklore and Mythology 126. Continuing Oral Tradition in Native American Literature

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

Foreign Cultures 93. Pathways through the Andes—History, Culture, and Politics in



Andean South America

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

Literature and Arts A-17. Childhood: Its History, Philosophy, and Literature

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

Religion 70. Introduction to Buddhism - (New Course)

Empirical and Mathematical Reasoning

Cross-listed courses that satisfy the Empirical and Mathematical Reasoning Requirement

Mathematics 154 (formerly Mathematics 191). Probability Theory

Quantitative Reasoning 48. Bits

Quantitative Reasoning 50. Medical Detectives

Social Analysis 10. Principles of Economics

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

Ethical Reasoning

Ethical Reasoning 11. Human Rights: A Philosophical Introduction - (New Course)

Catalog Number: 6441

Mathias Risse (Kennedy School)

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

What are human rights? Why would individuals have such rights? How can rights be universal, and what rights are universal? How can human rights rhetoric be criticized? This course will approach these and related questions philosophically, but with an eye to international politics.

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

Ethical Reasoning 12. Political Justice and Political Trials - (New Course)

Catalog Number: 5064

Charles S. Maier

Half course (fall term). W., 2–4, and a weekly section to be arranged. EXAM GROUP: 7, 8

Criminal trials have served throughout history to enforce revolutionary change, to impose conformity, or, alternatively, to advance democracy. Students examine trials in their historical and moral context to weigh such issues as who can prosecute; can crimes be defined after the fact; can punishing speech be justified? Cases include Socrates, Louis XVI, General Dyer, the Soviet purges, Eichmann, World War II collaborators, American cold-war hearings, and today's international tribunals and truth commissions.

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

Cross-listed courses that satisfy the Ethical Reasoning Requirement

Moral Reasoning 22. Justice

Moral Reasoning 56. Self, Freedom, and Existence



Science of Living Systems

Science of Living Systems 11. (formerly Science B-47). Molecules of Life - (New Course)

Catalog Number: 9478

Jon Clardy (Medical School) and David R. Liu

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

GROUP: 12, 13

Large molecules – DNA, RNA, and proteins – encode and transmit the inherited information in our genes. This course focuses instead on the small molecules that link the genetic program in our DNA to the world in which we live. Small molecules govern how our bodies develop, allow us to respond to changes in our environment, and carry our thoughts. They are also the basis of the drugs we use to fight infections and combat diseases including cancer, diabetes, and depression. In the future, small molecules could even be used to direct the fate of stem cells or extend life.

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

Science of Living Systems 12. Understanding Darwinism - (New Course)

Catalog Number: 5523

Janet Browne and Andrew J. Berry

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

EXAM GROUP: 12, 13

An interdisciplinary exploration of Darwin's ideas and their impact on science and society. The course reviews the development of the main elements of the theory of evolution, highlighting those areas in which Darwin's ideas have proved remarkably robust and where subsequent developments have significantly modified the theory. By also analyzing the historical context of the development of evolutionary thought both up to and beyond Darwin, the course emphasizes the dynamic interplay between science and society.

Note: Expected to be omitted in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Cross-listed courses that satisfy the Science of Living Systems Requirement

Life and Physical Sciences A. Foundational Chemistry and Biology

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

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

Science B-53. Marine Biology

Science B-60. Origins of Knowledge

Science B-62. The Human Mind: An Introduction to Mind, Brain, and Behavior

Science of the Physical Universe

Cross-listed courses that satisfy the Science of the Physical Universe Requirement



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

Earth and Planetary Sciences 109. Earth Resources and the Environment

Earth and Planetary Sciences 133. Atmospheric Chemistry

[Science A-30. The Atmosphere]

Science A-43. Environmental Risks and Disasters

[Science A-45. Reality Physics]

Science A-49. The Physics of Music and Sound

Science B-35. How to Build a Habitable Planet

Societies of the World

Societies of the World 11. Germany in the World, 1600-2000 - (New Course)

Catalog Number: 2359

David Blackburn

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

This course examines how German-speaking Europe and its inhabitants have interacted with the wider world over the last four centuries. Political and military dimensions receive attention, but so do trade and commodity flows, migration, ecological exchanges, travel, exploration, colonialism, and cultural transfers. The course, in which visual materials play an integral part, seeks to show how a national history can be seen in new ways when viewed through a transnational perspective.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. Students who have taken Historical Study A-76 may not take this course for credit.

Cross-listed courses that satisfy the Societies of the World Requirement

[Economics 1400. The Contents of Globalization: Issues, Actors, and Decisions]

Historical Study A-13. China: Traditions and Transformations

Historical Study A-14. Japan: Tradition and Transformation

Historical Study A-88. The British Empire - (New Course)

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

History 1060. Europe and Its Borders, 950-1550 - (New Course)

Literature and Arts C-61. The Rome of Augustus

Social Studies 50. Genocide - (New Course)

United States in the World

Cross-listed courses that satisfy the United States in the World Requirement

Historical Study A-34. Medicine and Society in America

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

History of Art and Architecture 17y. American Encounters: Art, Contact, and Conflict, 1560-1860

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



Graduate Seminars in General Education

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

These seminars for graduate students will be committed to the discussion, development, and design of undergraduate courses that will be appropriate for the new Program in General Education. Graduate students will actively engage with faculty to consider central conceptual and analytic themes, course design and pedagogy, as well as other important decisions in the development and implementation of courses in general education.

Interested graduate students should contact the specific faculty members for more information and check with their home departments about whether these courses will fulfill requirements for relevant graduate degrees.

Graduate Seminars in General Education

[East Asian Studies 210. Asia in the Making of the Modern World \(Graduate Seminar in General Education\) - \(New Course\)](#)

[*English 270. American Civil War \(Graduate Seminar in General Education\) - \(New Course\)](#)

[History 2402. American Food \(Graduate Seminar in General Education\) - \(New Course\)](#)

[History 2628. Asia in the Making of the Modern World \(Graduate Seminar in General Education\) - \(New Course\)](#)

[History 2918. International Human Rights \(Graduate Seminar in General Education\) - \(New Course\)](#)

[MCB 240. Probability \(Graduate Seminar in General Education\) - \(New Course\)](#)

[Philosophy 290. Probability \(Graduate Seminar in General Education\) - \(New Course\)](#)

[*Religion 3015. Asia in the Making of the Modern World \(Graduate Seminar in General Education\) - \(New Course\)](#)

[Romance Studies 202. Ethics and Aesthetics \(Graduate Seminar in General Education\) - \(New Course\)](#)

[*Visual and Environmental Studies 220. The Animal Moment: The Visual and Verbal Animal \(Graduate Seminar in General Education\) - \(New Course\)](#)



Freshman Seminars, Extra-Departmental Courses, and House Seminars

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Freshman Seminars

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies (*Chair*)
Lawrence Buell, Powell M. Cabot Professor of American Literature (*on leave 2008-09*)
Joyce E. Chaplin, James Duncan Phillips Professor of Early American History
Peter T. Ellison, John Cowles Professor of Anthropology
Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics
Stephanie H. Kenen, Associate Dean of Harvard College and Administrative Director of the Program in General Education (*ex officio*)
Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Director of the Freshman Seminar Program*)(*ex officio*)
D. N. Rodowick, Professor of Visual and Environmental Studies
Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures

The Freshman Seminar Program

Students entering Harvard College with freshman standing may apply for a freshman seminar during the first two terms of residence. Freshman Seminars may not be audited. For a complete description of the Freshman Seminar Program and 2008-09 offerings, please consult the current Freshman Seminar catalog. Catalogs may be obtained from the Freshman Seminar Office, 6 Prescott Street, Cambridge, MA 02138 (telephone: 617-495-1523; email: seminars@fas.harvard.edu). Additional information can be obtained from the Freshman Seminar website: www.fas.harvard.edu/~seminars.

Freshman Seminars 2008-09

***Freshman Seminar 210. The Neurophysiology of Visual Perception**

Catalog Number: 7584 Enrollment: Limited to 12.

David H. Hubel (*Medical School*)

Half course (*fall term*). W., 2–5.

How do the eyes and brain of higher mammals (including humans) deal with visual information originating in the outside world? Starts with brief survey of mammalian brain neuroanatomy and cell-level neurophysiology (nerve conduction, synapses). Covers neurophysiology of the visual path from retina to cortex, with emphasis on transformations in information that occur at each successive level. Studies main components of visual perception: form, color, movement, depth,



and considers the bearing of these on art.

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

***Freshman Seminar 21q. Biological Impostors: Mimicry and Camouflage in Nature**

Catalog Number: 8762 Enrollment: Limited to 12.

Michael R. Canfield

Half course (spring term). Th., 1–3.

Plants and animals imitate one another and their surroundings to escape notice and avoid predators. This seminar explores the evolution of mimicry and camouflage using case studies that reveal the range of visual, behavioral, acoustical, and chemical means by which this deception is accomplished.

Note: Open to Freshmen only.

***Freshman Seminar 21s. Germs**

Catalog Number: 2067 Enrollment: Limited to 12.

Ralph Mitchell

Half course (fall term). W., 1:30–4.

Germs are responsible for the disruption of whole civilizations and for the maintenance of the ecological balance on planet Earth. Explores the importance of germs as causative agents of disease in humans, animals, and plants and emerging diseases. Investigates why epidemics occur, the role of germs in the control of the ecological balance on Earth -- how microbes affect the cycling of elements, and climate control. Are there dangers to inserting microbial genes into crops?

Note: Open to Freshmen only.

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

Catalog Number: 4075 Enrollment: Limited to 12.

John P. Huchra

Half course (spring term). M., 2–5:30.

Explores the properties of galaxies and the basic observations that lend support to the current cosmological model, the hot Big Bang, and recent observations that indicate that the Universe might even be accelerating. Topics covered include the internal structure and dynamics of galaxies, cosmological models, the determination of the cosmic distance scale, observations of large-scale structure in the universe, quasars, galaxy formation, and the age, size, and fate of the universe. Seminar includes a class project.

Note: Open to Freshmen only.

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

Catalog Number: 6565 Enrollment: Limited to 12.

Dudley R. Herschbach

Half course (spring term). Th., 2–4.

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



Note: Open to Freshmen only.

Prerequisite: High school science and algebra.

***Freshman Seminar 22f. Primitive Navigation - (New Course)**

Catalog Number: 2550 Enrollment: Limited to 12.

John Huth

Half course (fall term). Th., 2–4.

In this seminar, we will explore navigational techniques that do not rely on modern technologies. By the end of the seminar, the student should be reasonably adept at combining naturally available information to determine position and orientation. The seminar will exam, and draw upon, navigational techniques practiced by cultures prior to contact with the West, with an emphasis on the Polynesians.

Note: For Freshmen only.

Prerequisite: Some familiarity with trigonometry and the ability to graph is useful.

***Freshman Seminar 22i. The Science of Sailing**

Catalog Number: 7269 Enrollment: Limited to 12.

Jeremy Bloxham

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

Explores basic physical principles through sailing. Sailboats are driven by the flow of wind across their sails. How does this generate a driving force, how is that force balanced, and how does it scale with the size of the sailboat? Studies the environment in which a sailboat operates, including the origin and variability of the wind, and the interaction of wind with water.

Addresses questions of strategy and tactics faced by sailors on race courses.

Note: Open to Freshmen only.

Prerequisite: Participants in this seminar should have a good high school physics background and have some knowledge of sailing.

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

Catalog Number: 4039 Enrollment: Limited to 12.

William Klemperer

Half course (spring term). W., 2–4.

Explores diverse topics and areas of science in which spectroscopy-the observation of energy emitted from a radiant source-plays a leading role. Concentrates on selected topics from chemistry, physics, astronomy, and atmospheric science. Emphasizes spectroscopy as the basis for remote sensing, choosing the grand topic of looking out-astronomical observations and seeing what is in the universe. Participants also will study (Nuclear) Magnetic Resonance Imaging as a model for looking in.

Note: Open to Freshmen only.

***Freshman Seminar 22m. The Human Brain**

Catalog Number: 6810 Enrollment: Limited to 12.

John E. Dowling

Half course (fall term). W., 4–6.

Investigates human brain function through famous neurological cases and what we have learned from them: Broca's patient "Tan" whose case led to the identification of one of the brain's



language areas; Phineas Gage, whose injury to a specific brain region changed his personality dramatically; and patient HM who, after brain surgery, no longer can remember things for more than a few minutes. Readings will be from my book *Creating Mind*. Designed for non-science concentrators.

Note: Open to Freshmen only.

Prerequisite: High school science.

***Freshman Seminar 22o. Principles of Industrial Fermentation: Beer, Wine, Bioethanol, and Beyond**

Catalog Number: 3683 Enrollment: Limited to 12.

Kevin J. Verstrepen

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

Explores how different scientific disciplines are integrated in complex commercial production processes. This seminar will investigate the elements involved in industrial fermentation as a vehicle to introduce concepts as varied as plant sciences, microbiology, biochemistry, genetics, engineering, history, and marketing. Beer fermentation will be used to gain background and define the query. Participants then develop topics for further investigation, with subjects ranging from flavor chemistry to saké or biofuel production. Visit to a regional brewery.

Note: Open to freshmen only.

Prerequisite: High school biology and/or chemistry and/or genetics. Suited for students planning to take more biology or biochemistry.

***Freshman Seminar 22q. The Physics and Physiology of the Senses - (New Course)**

Catalog Number: 2091 Enrollment: Limited to 12.

L. Mahadevan

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

Our senses are our interfaces with our living and non-living environment. Classically, there were thought to be 5 senses associated with seeing, hearing, touching, tasting and smelling. Now we have become aware of a range of other sensations in us and in other organisms, including electro and magnetoreception, thermo and hygroreception, proprioception, balance. This seminar will address the design principles and limits of sensory perception in biology, broadly interpreted, from bacteria to blue whales.

Note: For Freshmen only.

***Freshman Seminar 22x. Bioluminescence**

Catalog Number: 9569 Enrollment: Limited to 12.

J. Woodland Hastings

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

Explores bioluminescence through research, literature, specimens, cultures, and in nature; number of luminous species is relatively small and the mechanisms responsible for the light they emit are very different. Its functions may be classed as defense, offense, and communication. Bioluminescence is also a unique molecular marker for investigating and understanding different basic physiological processes, both cellular and organismic--to answer questions ranging from gene expression and its regulation to enzymology, bioenergetics, physiology, function, ecology, evolution.



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

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

Catalog Number: 8839 Enrollment: Limited to 12.

Richard Wilson

Half course (fall term). W., 2–5:30.

The seminar will apply scientifically quantitative methods to understanding a number of problems of general public concern, and provide insight into the roles of a scientist in public affairs by understanding diverse problems of the environment, pollution, and public health. The topics will be selected in the first two weeks from those that are topical at the time.

Note: Open to Freshmen only.

***Freshman Seminar 23f. Uncertainty, Probability, and Climate Change - (New Course)**

Catalog Number: 2780 Enrollment: Limited to 12.

Arthur P. Dempster

Half course (spring term). Th., 4–6.

The celebrated IPCC-UN report Climate Change 2007: The Physical Science Basis has become an important component of the scientific consensus that human activities are hastening dangerous changes in global climate. Many uncertainties are referenced using terms like 'high confidence' or 'more likely than not', linked to numerical measures of 'chance' or 'probability'. Understanding such terms is developed through weekly readings and discussion, and preparation of a final paper on a selected aspect of climate change.

Note: For Freshmen only.

Prerequisite: Familiarity with elementary probability theory at the level of high school mathematics.)

***Freshman Seminar 23k. Insights from Narratives of Illness**

Catalog Number: 1904 Enrollment: Limited to 12.

Jerome E. Groopman (Medical School)

Half course (spring term). Th., 1–3.

A physician occupies a unique perch, regularly witnessing life's great mysteries; it is no wonder that narratives of illness have been of interest to both physician and non-physician writers. Examines and interrogates both literary and journalistic dimensions of medical writing from Tolstoy to Anne Fadiman as well as newspapers and periodicals. Studies not only mainstream medical journalists, but so called alternative medical writers such as Andrew Weil also. Work with different forms of medical writing.

Note: Open to Freshmen only.

***Freshman Seminar 23l. Medicine, Law, and Ethics: An Introduction - (New Course)**

Catalog Number: 4235 Enrollment: Limited to 12.

Shahram Khoshbin (Medical School)

Half course (spring term). Th., 7–9 p.m.

Explores medical, legal, and ethical aspects of medical care, with particular attention to medical decision-making at the beginning and end of life, participants in research on human subjects, human reproductive technologies, mental illness, and experimentation on animals. Historical



background of present-day medical practices and relevant law to be discussed.

Note: For Freshmen only. All students are welcome, but this seminar is particularly geared to pre-medical and pre-law students. *Note:* Students are advised that this course is intended to be introductory.

***Freshman Seminar 23m. Nutrition and Public Health - (New Course)**

Catalog Number: 8823 Enrollment: Limited to 12.

Clifford Lo

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

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

Note: Clinical rounds with Nutrition Support Services at Children's Hospital are optional. Open to Freshman only.

***Freshman Seminar 23o. Evolution of Aging - (New Course)**

Catalog Number: 3444 Enrollment: Limited to 12.

Anne E. Pringle

Half course (spring term). M., 2–4.

How do we age? WHY do we age? If natural selection can effectively build "better" organisms, should organisms be immortal? This seminar explores both the mechanisms that cause aging, and the hypotheses used to explain its evolution, focusing on human data and the genetics of aging in human populations using examples from across the domains of life to illustrate that aging is a universal phenomenon.

Note: For Freshmen only.

***Freshman Seminar 23q. Understanding the Biology of Cancer - (New Course)**

Catalog Number: 4721 Enrollment: Limited to 12.

Cheryl Denise Vaughan

Half course (fall term). W., 1–3:30.

The seminar begins by exploring the behavior and characteristics of healthy cells and tissues, followed by a general discussion of the progressive changes in cells that become cancerous. General cancer biology information informs discussions on four specific cancer types, including demographics, diagnosis, common treatments, and current research. Students research a fifth cancer type for final project. Readings include online resources, review articles from popular science journals, and a general textbook.

Note: Open to Freshmen only.

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

Catalog Number: 8910 Enrollment: Limited to 12.

Daniel L. Schacter

Half course (fall term). M., 1–3.

Examines fallibility of memory from both cognitive and neuropsychological perspectives. Seven



basic "sins" of memory: transience, absent-mindedness, blocking, misattribution, suggestibility, bias, and persistence. The first three reflect different types of forgetting. The next three involve distortion or inaccuracy. Persistence, the last, refers to pathological remembrances. Can "sins" be conceptualized as by-products of adaptive features of memory, rather than as flaws in the system or blunders made by Mother Nature during evolution?

Note: Open to Freshmen only.

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

Catalog Number: 6423 Enrollment: Limited to 12.

Roberto G. Kolter (Medical School)

Half course (fall term). W., 1–4.

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

Note: Open to Freshmen only.

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

Catalog Number: 3573 Enrollment: Limited to 12.

Jene A. Golovchenko

Half course (fall term). M., W., 3–5.

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

Note: Open to Freshmen only.

***Freshman Seminar 24i. Mathematical Problem Solving - (New Course)**

Catalog Number: 3711 Enrollment: Limited to 12.

Noam D. Elkies

Half course (fall term). M., 2–5.

Explores mathematical problem solving (and problem posing) in contexts ranging from classroom exercises to competitions to research mathematics, develops strategies and techniques for solving such problems. Participants will solve selected problems in various areas of mathematics and at a range of difficulty levels, and will present, compare and reflect on their and other participants' solutions.

Note: Open to Freshmen only.

Prerequisite: Intended for students with a strong interest in mathematics, particularly those who do not already have extensive training in mathematical problem solving.



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

Catalog Number: 2697 Enrollment: Limited to 12.

Myron Lecar

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

More than 200 planets, mostly gas giants, have been discovered orbiting around other stars. Recently a 5 earth mass planet was detected around a red dwarf star, at a distance from the star where water would be liquid. In this decade, we expect to detect earth mass planets. This seminar explores the physics of the formation of rocky planets, their detection, and current speculations on the origin of life.

Note: Expected to be given in 2009–10. Open to Freshmen only.

Prerequisite: AP high-school Physics and Calculus.

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

Catalog Number: 6367 Enrollment: Limited to 12.

Judith Palfrey (Medical School)

Half course (fall term). M., 4–6.

Reviews history of children's health care in the United States; explores the impact of geography, environment, nutrition, clean water, as well as scientific discoveries of the late 19th and the early 20th centuries and the emergence of high technology care in middle and late 20th century. Does America provide children the best possible health care available? Compares United States epidemiology with that of other developed and developing nations. Explores how child health delivery is financed.

Note: Open to Freshmen only.

[*Freshman Seminar 24x. Global Mental Health]

Catalog Number: 7270 Enrollment: Limited to 12.

Alexander Cohen (Medical School)

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

Global mental health has become a major concern in international public health. Explores how and why this has come about. Begins with a review of some basic definitions -- mental health, depression, anxiety, psychosis -- and our current knowledge of the incidence and prevalence of mental disorders cross-culturally. Examines major issues including stigma and discrimination, social determinants of mental health, and the association between immigration and psychosis.

Note: Expected to be given in 2009–10. Open to Freshmen only.

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

Catalog Number: 9264 Enrollment: Limited to 12.

Christopher Stubbs

Half course (fall term). W., 3–5.

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

Note: Open to Freshmen only.



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

Catalog Number: 8075 Enrollment: Limited to 12.

Donald A. Goldman

Half course (fall term). Th., 7–9 p.m.

Mankind's journey- farming, urbanization, exploration, trade, globalization -has been marked by devastating encounters with infectious diseases. Infections have affected wars, political dynasties, global balance of power, social structure, public health policy, economics, and the arts. This course explores these themes by studying infections such as plague, syphilis, smallpox, malaria, sleeping sickness, tuberculosis, cholera, yellow fever, polio, and influenza. It investigates how the epidemiology of these diseases, and society's response, inform contemporary policy and future threats.

Note: Open to Freshmen only.

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

Catalog Number: 3913 Enrollment: Limited to 12.

Karin B. Michels (Public Health, Medical School)

Half course (fall term). M., 4–6:30.

What does food do to our bodies? What does a healthy diet entail? What is known about the role of nutrition in preventing or curing disease? Explores and critically evaluates diet recommendations, current knowledge about the role of diet in maintaining health, and use of nutrition to treat disease. Discusses how studies are conducted to understand the impact of nutrition. Explores different diets and the obesity epidemic, its causes and its implications for the next decades.

Note: Open to Freshmen only.

***Freshman Seminar 25n. Understanding Psychological Development, Disorder and Treatment: Learning through Literature and Research**

Catalog Number: 9589 Enrollment: Limited to 12.

Nancy Rappaport (Medical School)

Half course (fall term). Th., 3–5.

Deepens understanding of human development and how individuals cope with serious emotional or social difficulties (neglect, bipolar disorder, autism, depression). We will use multiple perspectives: medical observations and texts that provide practical knowledge, narrative readings to understand how patients experience the meaning of illness, and portrayals of development-related mental illness in the press. Explores need to understand fundamental needs for tenderness, holding, and making meaning. Examines the resourcefulness required for resiliency and explores the context of vulnerability.

Note: Open to Freshmen only.

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

Catalog Number: 1838 Enrollment: Limited to 12.

S. Allen Counter (Medical School)

Half course (fall term). Tu., 2–4.

Explores wide range of environmental neurotoxic substances and effects on human and animal populations. Attention to pediatric exposure to neurotoxic agents and associated neurodevelopmental disabilities, as well as neurobehavioral and immunological changes.



Examines impact of lead, mercury poisoning, PCBs. Investigates neurophysiology and neurochemistry of a number of other neurotoxins, including nerve gas, tetrodotoxin, saxitoxin, botulinum, and curare. What dangers do we face at home and at work? What can or should be done about these?

Note: Open to Freshmen only.

***Freshman Seminar 25t. AIDS in Africa**

Catalog Number: 0024 Enrollment: Limited to 14.

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

Half course (spring term). Tu., 1–3.

HIV/AIDS has infected or killed more than sixty million people, and no vaccine is expected within five to ten years. About two-thirds of current infections are in ten percent of the world's population in sub-Saharan Africa, where few patients receive life-saving treatment. Explores dimensions of AIDS in Africa including the evolution and epidemiology of HIV, the pathobiology of AIDS, prevention of infection, and treatment of disease. Encourages multidisciplinary approaches, using country-specific illustrations of successful interventions.

Note: Open to Freshmen only.

***Freshman Seminar 25u. The Atomic Nucleus on the World Stage**

Catalog Number: 0027 Enrollment: Limited to 12.

Roy J. Glauber

Half course (fall term). Tu., 2–4.

In 1939 realization that atomic nuclei can undergo fission arrived as a surprise. Traces some of the history leading to discovery of the nucleus and determination of nuclear constituents. Studies wartime project that developed both nuclear power sources and weapons; readings supplemented by instructor's own recollections of this project. Investigates formidable problems posed by control of nuclear weapons, development of nuclear reactors, and hope that thermonuclear reactions may provide an abundant source of clean energy.

Note: Open to Freshmen only.

***Freshman Seminar 25v. Avian Influenza: Emerging Infectious Disease**

Catalog Number: 4807 Enrollment: Limited to 14.

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

Half course (spring term). Tu., 3–5.

Although the number of people infected by avian flu is small, the high mortality rate suggests that millions may die if it becomes a global pandemic. Explores the Spanish flu pandemic of 1918, the swine flu scare of 1976, and current developments and research on the H5N1 influenza virus, with emphasis on examining how avian influenza viruses gain the ability to infect different hosts. Source materials include original scientific literature, government documents, journalistic writings and films.

Note: Open to Freshmen only.

***Freshman Seminar 25w. Responsibility, the Brain, and Behavior**

Catalog Number: 0049 Enrollment: Limited to 12.

Ronald Schouten (Medical School)

Half course (fall term). Tu., 7–9 p.m.



Explores philosophical and legal bases of the concept of individual responsibility as applied in the criminal justice system. Examines how forensic mental health professionals assess an individual's mental state at time of an alleged criminal act, the legal standards applied, and the social and political forces that help shape the legal decision. Considers the insanity defense; examines modern concepts of the biological basis of behavioral disorders and their relationship to existing standards of criminal responsibility.

Note: Open to Freshmen only.

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

Catalog Number: 7529 Enrollment: Limited to 12.

Lisa Randall

Half course (fall term). W., 1–3.

Based loosely on book, *Warped Passages*, considers revolutionary developments in Physics in early 20th century: quantum mechanics and general relativity; investigates key concepts which separated these developments from the physical theories which previously existed. Topics: particle physics, supersymmetry, string theory, and theories of extra dimensions of space. We will consider the motivations underlying these theories, their current status, and how we might hope to test some of the underlying ideas in the near future.

Note: Open to Freshmen only.

***Freshman Seminar 26m. Developmental Origins of Physical and Mental Health and Disease**

Catalog Number: 7084 Enrollment: Limited to 12.

Charles A. Nelson (Medical School)

Half course (spring term). Tu., 2–4.

Explores the role of developmental programming and early experience as a major causative mechanism in altering the course of human development, with a particular focus on physical, neurological and psychological health. Introduces general topic and develops a list of possible areas of investigation. Participants then will be responsible for preparing and leading discussion on a particular question or issue, primarily by reading in a given area and perhaps even interviewing relevant experts on campus and then summarizing this area in a written report. Reviews current knowledge; discusses desirable research.

Note: Open to Freshmen only.

Prerequisite: Background in introductory psychology, neuroscience, or biology desired.

***Freshman Seminar 26s. Mathematical Structures and Gödel's Completeness Theorem**

Catalog Number: 0012 Enrollment: Limited to 12.

Gerald E. Sacks

Half course (spring term). M., 4–6.

Mathematics is about structures. Some examples of structures are: the integers, the real numbers, and Euclidian plane geometry. Model theory, a branch of mathematical logic, provides a useful definition of structure. Gödel's completeness theorem shows how logically consistent definitions imply the existence of arbitrary mathematical structures. Model theory is applicable to problems that arise in algebra. An example is: the elementary theory of the real numbers is decidable.

Note: Open to Freshmen only.

Prerequisite: High school algebra and a strong interest in fundamental mathematical problems.



***Freshman Seminar 26u. What is Mental Illness?**

Catalog Number: 9123 Enrollment: Limited to 12.

Michael William Kahn (Medical School)

Half course (fall term). M., 2:30–5.

Introduces students to the nature of mental illness based on taped interviews of people suffering from a variety of psychiatric conditions. Investigates what illness and treatment are like from patient's perspective; explores history of psychiatric diagnosis and treatment. Interviews supplemented by readings drawn from the history of psychiatry and from a variety of patient narratives. Provides background on categories of mental illness, the varieties of treatment available, and the nature of the illness experience itself.

Note: Open to Freshmen only.

***Freshman Seminar 26v. Blood: From Gory to Glory - (New Course)**

Catalog Number: 9017 Enrollment: Limited to 12.

David T. Scadden (Medical School)

Half course (fall term). W., 1–3.

Humans have long understood that the blood flowing in their veins was imperative to their health and well-being. This course will examine the history, attitudes and beliefs surrounding blood.

We will study human beliefs about blood and its uses in cultural beliefs and ceremonies. We will examine the science associated with blood: the production and the function of blood in the body, ideas of blood regarding medicine, healing, blood-related illnesses, biotechnology, nanotechnology and stem cell research.

Note: For Freshmen only.

***Freshman Seminar 30e. Rewriting America: Race, Feminism, and Classic Narratives - (New Course)**

Catalog Number: 4919 Enrollment: Limited to 12.

Lori B. Harrison-Kahan

Half course (fall term). Th., 1–4.

This seminar focuses primarily on African American women writers such as Toni Morrison, Suzan-Lori Parks, and Alice Randall, who have written back to American classics, in conjunction with the iconic narratives these contemporary writers have sought to revise. It explores the encoding of American myths in nineteenth- and twentieth-century culture as well as inter-textual strategies employed by African American women to create both a dialogue with canonical works and a distinct black feminist literary tradition.

Note: Open to Freshmen only.

***Freshman Seminar 30l. George Balanchine: Russian-American Master**

Catalog Number: 7650 Enrollment: Limited to 12.

John E. Malmstad

Half course (spring term). W., 3–6.

Addresses the life and major works of the Russian-American ballet master George Balanchine. Focus on his view of dance and on analysis of the ballets that he made in a career than spanned some sixty years in Russia, Europe, and the United States. Considers the relationship of his works to the intellectual and cultural climate in which they were made Over 20 ballets to be



examined.

Note: No knowledge of ballet and its vocabulary is required or assumed. Open to Freshmen only.

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

Catalog Number: 1897 Enrollment: Limited to 12.

Paul J. Barreira (Medical School)

Half course (spring term). W., 3–5.

Asks students to think and write critically about American higher education--its history, purpose and ongoing challenges. Considers "the uses of the university" from a variety of perspectives: historical, sociological, economic, and developmental. Addresses questions: What constitutes a liberal arts education? What are its goals? How should students be assessed? What role do extracurricular activities play in a college education? Does bachelor's degree certify a vocational education, a cultural one, or a moral one?

Note: Open to Freshmen only.

***Freshman Seminar 31g. The Pleasures of Japanese Poetry: Reading, Writing, and Translation**

Catalog Number: 1645 Enrollment: Limited to 12.

Edwin A. Cranston

Half course (fall term). W., 2–5;.

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

Note: Open to Freshmen only.

***Freshman Seminar 31i. Meet Me at the Fair: The Phenomenon of the World Exposition - (New Course)**

Catalog Number: 2546 Enrollment: Limited to 12.

Suzanne P. Blier

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

This seminar addresses the larger question of cultural display as seen through the art and architecture of colonial and world fairs from the mid-19th to the mid-20th century. Class readings and discussion explore the history of the fairs as a social and art phenomenon and the ways in which these hugely popular public events shaped popular perspectives on issues such as national identity, ethnicity, social class, race, imperialism, colonialism, and gender.

Note: For Freshmen only.

***Freshman Seminar 31j. Skepticism and Knowledge**

Catalog Number: 9760 Enrollment: Limited to 12.

Catherine Z. Elgin (School of Education)

Half course (fall term). Tu., 1–3.

What can we know; how can we know it? Can I know that I am not a brain in a vat being manipulated into thinking that I have a body? Can I know that the Louisiana Purchase occurred



in 1803, that $E=MC^2$, that Hamlet is better than Harry Potter, or that the sun will rise tomorrow? This seminar will study skeptical arguments and responses to skepticism to explore the nature and scope of knowledge.

Note: Open to Freshmen only.

***Freshman Seminar 31s. Heist: The Culture and Politics of Art Theft, Grave Robbery, and Looting**

Catalog Number: 2258 Enrollment: Limited to 12.

Nenita Ponce de Leon Elphick

Half course (fall term). W., 2–4.

Considers art theft from several angles, looking first at the popular appeal and glamorization of art heists in fiction and film and then focuses on different types of art theft (heists, grave robbery, and looting) to critically examine and debate the ethical issues and thorny legalities of provenance that concern public and private collectors, museums, institutions, and the international art market. Topics include the Elgin Marbles, Nazi looting, and the national treasures of Iraq.

Note: There will be additional meeting times for film screenings. Open to Freshmen only.

***Freshman Seminar 31v. The Beasts of Antiquity and Their Natural History - (New Course)**

Catalog Number: 8649 Enrollment: Limited to 12.

Kathleen M. Coleman and Farish A. Jenkins, Jr.

Half course (spring term). M., 2–5.

A study of the animals of the ancient Mediterranean basin, offering parallel introductions to the classics and to organismal and evolutionary biology. Animals played a central role in Greco-Roman culture. Their appearance and behavior, as recorded in ancient literature and art, are tested against 21st-century knowledge of their anatomy, physiology, sociobiology and habits. Includes first-hand study of specimens in the Museum of Comparative Zoology and coins and artifacts from Harvard's collection of antiquities.

Note: Open to Freshmen only.

***Freshman Seminar 31w. A Question of Taste - (New Course)**

Catalog Number: 8061 Enrollment: Limited to 12.

James S. Murphy

Half course (fall term). Tu., 2–4.

Explore the investigations of and debates over taste conducted by artists, scientists, philosophers, and sociologists over the past three centuries. Considers the sources, uses, and ways aesthetic judgments are entangled in issues of class, democracy, education, consumption, rebellion, and ethics. Authors to be read include Pope, Ramachandran, Hume, Kant, and Bourdieu. Subjects to be considered include food, advertisements, modernist art and literature, heavy metal, and Celine Dion.

Note: Open to Freshmen only.

***Freshman Seminar 31x. Epic Warfare From Homer to Milton - (New Course)**

Catalog Number: 3139 Enrollment: Limited to 12.

Daniel Shore



Half course (fall term). Th., 1–3.

For the cultures that produced them, epics were the principle literary means of representing and understanding war. Over nearly three millennia, however, warfare changed drastically. How do epic poems respond to these changes? The seminar begins with Homer's Iliad, which established the epic as a martial genre, and then traces the way secondary epics by Virgil, Spenser, and Milton take up and transform Homeric themes and conventions.

Note: Open to freshman only.

***Freshman Seminar 31y. Introduction to Still Photography: Visual Thinking - (New Course)**

Catalog Number: 7155 Enrollment: Limited to 10.

Sharon C. Harper

Half course (spring term). Tu., Th., 1–3.

Introduction to Still Photography: Visual Thinking will teach students the technical skills to use photography as an expressive medium and will provide an art historical context for the uses of photography within contemporary art practice. Students are expected to learn how to identify and develop visual ideas--skills acquired both through readings and photographic assignments--to create a final project. Emphasis will be placed upon transforming abstract ideas into physical, visual forms.

***Freshman Seminar 31z. Sex and Scandal in Early Modern England - (New Course)**

Catalog Number: 6456 Enrollment: Limited to 12.

Scott A. Sowerby

Half course (fall term). M., 2–4.

Investigates the history of gender and sexuality in early modern England by examining the social norms that shaped behavior. Themes include the policing of sexuality, the performance of gendered behavior, understandings of same-sex desire, and the relation between sexual reputation and political power. Readings include Behn's *The Rover*, Shakespeare's sonnets, the letters of King James I and the speeches of Queen Elizabeth.

Note: For Freshmen only.

***Freshman Seminar 32e. Mapping the British Empire - (New Course)**

Catalog Number: 7057 Enrollment: Limited to 15.

Penny Joy Sinanoglou

Half course (spring term). M., 2–4.

This course examines the production and consumption of surveys, maps and charts of the British Empire across a broad geographical and temporal span from early sketch-maps of North America through to detailed city maps used during planning for the partition of Palestine. Readings are divided both geographically and chronologically so that the course moves through the stages of exploration, consolidation, and decolonization across the breadth of the British Empire.

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

Catalog Number: 6991 Enrollment: Limited to 12.

Shaye J.D. Cohen

Half course (fall term). M., 1–3.



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

Note: Open to Freshmen only.

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

Catalog Number: 5673 Enrollment: Limited to 12.

Barbara L. Hillers

Half course (fall term). W., 2:30–5.

Explores Irish oral literature and its place in the community. In spite of the material hardship of their existence, the men and women farming the west of Ireland could tell wondertales of great beauty and magic, sing scores of songs, and had a proverb, anecdote, or repartee for every occasion. Introduces students to the most important genres of Irish folklore, and to the critical tools and interpretive methods available to discuss and understand oral literature.

Note: Open to Freshmen only.

***Freshman Seminar 32v. The Art of the Storytelling**

Catalog Number: 7011 Enrollment: Limited to 12.

Deborah D. Foster

Half course (spring term). Tu., 2–4.

Men and women tell stories to express the values found in experiences of everyday life. Based on storytelling traditions, each narrator shapes the story to reflect his or her own intentions, making it personally expressive as well as publicly meaningful to a particular audience.

Examines the nature of storytelling, its enduring appeal, and its ability to adapt to multiple new technologies (print, film, internet). Participants will engage in the storytelling process itself.

Note: Open to Freshmen only.

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

Catalog Number: 2465 Enrollment: Limited to 12.

Kay Kaufman Shelemay

Half course (fall term). W., 1–3.

The seminar will explore selected African musical traditions and the manner in which musical expression is linked to other aspects of African life through a comparative reading of recent musical ethnographies (with accompanying audio and visual materials). Topics will include African music histories, performance styles, and systems of meaning. The class will attend an African music concert and have at least one 'hand's on' session exploring African musical instruments.

Note: Open to Freshmen only.

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

Catalog Number: 2937 Enrollment: Limited to 12.

Leonard W. J. van der Kuip



Half course (fall term). Tu., 1–4.

Note: Open to Freshmen only.

***Freshman Seminar 33l. Americans Abroad: American Travel Narratives and Histories - (New Course)**

Catalog Number: 3229 Enrollment: Limited to 15.

Katherine Stebbins McCaffrey

Half course (spring term). Tu., 2–4.

In this course, students will be invited to get lost, like Mark Twain, Ralph Waldo Emerson, and scores of others did (and do), in the pleasures and pains associated with travel, and led to explore and question the history, literature, economics, politics, and spectacle of Americans abroad through reading travel writing by Americans. Together we will consider the ways in which travel and tourism complicate ideas about Americans' cultural and social mobility.

***Freshman Seminar 33m. Literatures of Historical Guilt - (New Course)**

Catalog Number: 4899 Enrollment: Limited to 12.

Peter Becker

Half course (spring term). M., 2–4.

This course examines emerging narratives on historical atrocity committed by one's ancestors. Focusing on fiction and non-fiction from the United States, Germany, and South Africa, the course explores how these texts deal with the past of slavery, the Holocaust, and apartheid. How do they confront historical responsibility, indictment, guilt, shame, evasion, and instances of moral ambiguity? What form does justice take for ancestral crimes? Authors include Faulkner, Styron, Morrison, Levi, Sebald, Grass, and Coetzee.

Note: Open to Freshmen only.

***Freshman Seminar 33n. Literary Afterlives of the Body - (New Course)**

Catalog Number: 6022 Enrollment: Limited to 12.

Karen E. Bishop

Half course (spring term). W., 2–5.

This class examines a corpus of literary works that portrays the afterlife of the body. Students decipher what the body reveals in death, what desires it embodies, what losses and sacrifices it signifies, and what ethical demands it places on the living. Readings and discussions focus on the aesthetic and political manifestations of the dead, disappeared, embalmed, copied, errant, tortured, dismembered, buried and re-membered body in some of the major works of twentieth-century Western literature.

Note: For Freshmen only.

***Freshman Seminar 33q. Global Pop Music - (New Course)**

Catalog Number: 4083 Enrollment: Limited to 12.

Sindhumathi Revuluri

Half course (fall term). Tu., 1–3.

New technologies allow us to hear music from around the world, from flamenco to hip-hop, bluegrass to bhangra. While popular music can have global appeal, its production can also be tied to local identity and regional musical styles. In this course, we consider what happens when local musical styles meet global trends in pop music to create new sounds. What do labels like



"world" and "international" really tell us about what music sounds like?

Note: For Freshmen only.

***Freshman Seminar 33t. Symbols in the Novel - (New Course)**

Catalog Number: 5563 Enrollment: Limited to 12.

Jacob M. Emery

Half course (fall term). Th., 1–3.

When we first open up a book we start asking questions about what kind of world the words in the book construct for us and how we can make sense of it. This seminar examines a set of modern novels from Europe and North America that showcase extreme forms of symbolic thought and language. At the same time we will consider a few of the most influential philosophical writings on symbolization and figure.

Note: Open to Freshmen only.

***Freshman Seminar 33v. Chinese Buddhism: Body, Time, and Cosmos in a Cave - (New Course)**

Catalog Number: 2530 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Tu., 1–3.

The seminar is an introduction to Buddhism and art history by focusing on a fifth-century Chinese cave. The images therein show episodes from the Buddha's past and present lives (his bodily sacrifices and demon-subjugation, etc.), which involve key concepts of Buddhism, including body, time, and cosmos. Poor visibility in the cave calls for inquiries into modes of cognition and religious functions. The interdisciplinary study explores issues of art, religion, anthropology, and cognitive psychology.

Note: For Freshmen only.

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

Catalog Number: 6673 Enrollment: Limited to 12.

Philip J. Fisher

Half course (fall term). M., 2–4.

Do inherited forms found in literature permit only certain variations within experience to reach lucidity? Investigates literature's limits in giving account of mind, everyday experience, thought, memory, full character, and situation in time. Studies Shakespeare's Hamlet and Joyce's Ulysses, a modern work of unusual complexity and resistance to both interpretation and to simple comfortable reading. Reading these two works suggests potential meanings for terms like complexity, resistance, openness of meaning, and experimentation within form.

Note: Open to Freshmen only.

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

Catalog Number: 0668 Enrollment: Limited to 12.

Stephanie Sandler

Half course (fall term). Th., 2–4.

Studies the psychological origins and effects of fear, comparing anxiety, obsession, dread, trauma, and phobia. Readings in theory (Freud, Taussig, Phillips), fiction (Oe, Morrison, Chukovskaia), memoir (Kincaid), poetry (Dove, Gunn, Shvarts, Macklin, Graham), and weekly



film screenings (Hitchcock, Tarkovsky, Polanski, Haynes). We ask what cultural and psychological work fear performs, whether we can contain the fears of childhood and, fundamentally, what aesthetic responses are adequate to the experience of fear, in any form.
Note: There will be extra meeting times for regular film screenings. Open to Freshmen only.

***Freshman Seminar 34i. Girl Talk: Reflections on Gender and Youth in America - (New Course)**

Catalog Number: 4743 Enrollment: Limited to 12.

Laura K. Johnson

Half course (spring term). Th., 2–4.

This seminar explores what women have to say about growing up female in contemporary America. Sources analyzed include memoirs, documentary films, photographs, diaries, and an autobiographical novel. These sources both depict individual experiences and reflect more broadly on the role gender plays in American society. Topics considered include the various ways gender impacts the experience of athletics, academic achievement, illness and disability, self-esteem, body image, family dynamics, violence, immigration, and national identification.
Note: Open to Freshmen only.

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

Catalog Number: 4098 Enrollment: Limited to 12.

Elvira G. DiFabio

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

During the last one hundred and fifty years, twelve million Italians left their homes in search of a better life, and a great many of them came to the United States. The seminar will study literary texts of identity and belonging produced by these emigrants, including memoirs of integration into a new culture, of discoveries and reconnections by subsequent generations, and of voyages across oceans and within one's own consciousness.

Note: Open to Freshmen only.

***Freshman Seminar 34l. Cultural Outsiders in the Ancient World - (New Course)**

Catalog Number: 9723 Enrollment: Limited to 12.

Hallie Malcolm Franks

Half course (fall term). M., 1–3.

Explores the appearance of foreign peoples in visual arts and literature of the ancient Greece and Rome, from mythic Ethiopians of Homer to foreign captives of Roman emperors. Discusses issues such as: political and social context in which other cultures are described or represented, influence of actual contact with other cultures, fictionalized peoples, role of other cultures in classical self-definition and understanding of the world. Concentrates on objects in Sackler and Boston MFA collections.

Note: Open to Freshmen only.

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

Catalog Number: 9905 Enrollment: Limited to 12.

Jay Jasanoff

Half course (fall term). M., 2–5.

Explores use and misuse of linguistic evidence. The 19th-century identification of the Indo-



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

Note: Open to Freshmen only.

***Freshman Seminar 35l. War, Violence and Memory in 20th Century Europe - (New Course)**

Catalog Number: 3854 Enrollment: Limited to 12.

Katrina Maria Hagen

Half course (fall term). W., 1–4.

This seminar explores the relationship of history and memory in the context of war and genocide in 20th century Europe. It charts the shifting "politics of memory" from the First and Second World Wars, to wars of decolonization in the 1950s and 60s, to post-Cold War ethnic cleansing in the former Yugoslavia. Assignments include short response papers, a 15-page research paper, and an oral presentation.

Note: For Freshmen only.

***Freshman Seminar 35m. The Story of the Stone**

Catalog Number: 3479 Enrollment: Limited to 12.

Wai-yee Li

Half course (fall term). Tu., 1–3.

Introduction to Chinese civilization through reading the masterpiece of Chinese fiction, *The Story of the Stone*. *Story* has achieved cult status: it both sums up Chinese culture and asks difficult questions of it. Topics include foundational myths, philosophical and religious systems, the status of fiction, conceptions of art and the artist, ideas about love, desire, and sexuality, gender roles, garden aesthetics, family and clan structure, and definitions of socio-political order. It is the greatest Chinese novel.

Note: Open to Freshmen only.

***Freshman Seminar 35q. Dilemmas of the Public Intellectual in the Twentieth Century - (New Course)**

Catalog Number: 1813 Enrollment: Limited to 12.

Joshua Humphreys

Half course (fall term). Th., 2–4.

This seminar explores the role of public intellectuals during the twentieth century. We give special attention to intellectuals' responses to the First and Second World Wars, fascism and communism, and colonialism and decolonization. The seminar also asks whether public intellectuals continue to have a viable role to play today or, rather, have been displaced by new forces in public life. Authors include Arendt, Bourdieu, Camus, Gide, Gramsci, Habermas, Said, Sartre, Walzer, and Zola, among others.

Note: Open to Freshmen only.

***Freshman Seminar 36m. Noisy Art**

Catalog Number: 2611 Enrollment: Limited to 14.



Damon Krukowski

Half course (spring term). Tu., 2–4.

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

Note: Open to Freshmen only.

***Freshman Seminar 37i. Love, Medieval Style - (New Course)**

Catalog Number: 5514 Enrollment: Limited to 12.

Sally Livingston

Half course (fall term). W., 4–6.

In this course we will examine the medieval obsession with love in all its diverse forms, reading (in translation) from the Latin, French, and English medieval literatures. Some of the broad themes we will examine are the interplay between the secular and sacred idea of love, medieval sexualities, the rise of lovesickness as a both a literary theme and medical malady, and the growing connection of love and marriage.

Note: For Freshmen only.

***Freshman Seminar 37l. Compulsion to Photograph - (New Course)**

Catalog Number: 0290 Enrollment: Limited to 15.

Mya M. Mangawang

Half course (spring term). F., 1–3.

Susan Sontag's essay "In Plato's Cave," asserts "it would not be wrong to speak of people having a compulsion to photograph." In this seminar, students interrogate Sontag's essay, among others, and our alleged drive to photograph the world. Beginning where Sontag begins, namely with her claim that we linger "unregenerately in Plato's cave, still reveling . . . in mere images of the truth," we consider how photography has been used to assert truth, verify reality, and construct knowledge.

***Freshman Seminar 37m. American Dissent - (New Course)**

Catalog Number: 4897 Enrollment: Limited to 12.

Sacvan Bercovitch

Half course (spring term). Tu., 2–4.

Dissent is a central to our culture, but it rests on a striking paradox. "America" has served as a summons to both radicalism and to chauvinism, individualism and conformity. Can there be a nation of rebels? What does it mean to protest in the name of the American promise? We will examine such questions from a literary-cultural perspective, in works (essays, memoirs, films, novels) ranging from the Revolution to the current rhetoric of change.

Note: Open to Freshmen only.

***Freshman Seminar 37p. Reading Tolstoy's War and Peace**

Catalog Number: 3826 Enrollment: Limited to 12.

Justin Weir

Half course (fall term). M., 1–3.



A close reading of Tolstoy's novel, illuminated by the broader pan-European cultural legacy of the Napoleonic wars, including literature, art, and architecture, changing interpretative approaches to War and Peace from the 1860s to the present, author studies, cultural "invasion" in Russia, historiography, and literary canon formation. War and Peace is considered as world classic, Russian literature, family novel, Bildungsroman, historical romance, war story, experimental fiction, national epic, and serialized sudser.

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

***Freshman Seminar 37u. Bob Dylan**

Catalog Number: 7520 Enrollment: Limited to 12.

Richard F. Thomas

Half course (fall term). W., 4–6; Su., 6–9 p.m.

Examines Dylan as a musical, literary, and general cultural phenomenon, in the context of popular and higher literary culture of the last 45 years, but also in the context of those long-lived literary and musical cultures with which he works. Traces the evolution of his songs and lyrics from their early folk, blues, rock, gospel, and protest roots, through the transition from acoustic to electric, in studio and performative contexts, also through the many evolutions and reinventions that have characterized and continue to characterize his career in music, literature, and film.

Note: Open to Freshmen only.

***Freshman Seminar 37y. Muslim Voices in Contemporary World Literatures**

Catalog Number: 8901 Enrollment: Limited to 12.

Ali S. Asani

Half course (fall term). W., 3–5:30.

Investigates contemporary experiences of being Muslim in different societies as reflected in literature. Explores range of issues facing Muslim communities in various parts of the world through short stories, novels, and poems. Examines impact of colonialism, nationalism, and globalization; politicization of Islam; status of women and gender relations; attitudes towards the West and Western culture; interaction between religion, race, and ethnicity; search for an "authentic" modern Islamic identity. Readings of Muslim authors from five continents.

Note: Open to Freshmen only.

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

Catalog Number: 2671 Enrollment: Limited to 12.

John Huehnergard

Half course (fall term). Tu., 1–3.

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

Note: Open to Freshmen only.



***Freshman Seminar 38i. Morality: That Peculiar Institution**

Catalog Number: 0745 Enrollment: Limited to 12.

Selim Berker

Half course (spring term). Th., 2–4.

What, if anything, is the ultimate basis for morality? This seminar will explore a cluster of philosophical arguments and ideas that raise worries for almost all attempts at finding a basis for morality, whether it be in the will of God, the dictates of science, the authority of self-evident truths, or the whimsies of subjective desires. Authors to be read include Plato, Hume, Moore, Mackie, Camus, Nagel, and Korsgaard.

Note: Open to Freshmen only.

***Freshman Seminar 38l. Literary Theory - (New Course)**

Catalog Number: 4870 Enrollment: Limited to 12.

Joanna Nizynska

Half course (fall term). F., 1–3.

What is literary theory? What is literary and what is theoretical in literary theory? How can literary theory help us to read and discuss literature? How can literature help us to read and discuss theory? What are the benefits and dangers of engaging with literary theory? This course is designed to map out the field of literary theory for students interested in all fields of the humanities.

Note: Open to Freshmen only.

***Freshman Seminar 38m. Meeting the Byzantines**

Catalog Number: 0852 Enrollment: Limited to 12.

John Duffy

Half course (fall term). W., 3–5.

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

Note: Open to Freshmen only.

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

Catalog Number: 1651 Enrollment: Limited to 12.

Anne C. Shreffler

Half course (spring term). W., 3–5.

Beethoven's sixteen quartets span almost his entire creative output, ranging from the classical Six Quartets, Op. 18 of 1800, to the transcendent, pioneering late quartets, the last completed in the year of his death in 1827. These works contain the full range of Beethoven's musical expression. The seminar will work from scores, selected recordings, and live performances connected to the Chiara Quartet's Harvard residency in the fall. Seminar members may play in class; individual projects and some readings.

Note: Open to Freshmen only.

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



***Freshman Seminar 39g. The Book of Hours: Picturing Prayer in the Middle Ages**

Catalog Number: 4824 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (spring term). W., 1–3.

The proverbial "bestsellers" of the later Middle Ages, Book of Hours served both as prayer and picture books. Using originals in Harvard's Houghton Rare Book Library as well as facsimiles of famous examples, the seminar will consider the history and development of both the Book of Hours-the most common type of illustrated manuscript in the later Middle Ages-and, more generally, other forms of prayer books from the period (1100-1500).

Note: Open to Freshmen only.

***Freshman Seminar 39i. Mephisto Goes to Hollywood--Thomas Mann's Doktor Faustus and Its Context**

Catalog Number: 0754 Enrollment: Limited to 12.

Bo-Mi T. Choi

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

Examines Thomas Mann's Doktor Faustus and the politically catastrophic yet culturally exciting context in which it was conceived. A modern remake of the classic Faust story, the novel was interpreted as a literary allegory on Germany's demonic pact with National Socialism. Explores this interpretation in light of the roots of fascism in 19th-century aesthetic culture. Intersecting topics: German fascism, European emigré culture in Hollywood, the rise of the Cold War and McCarthyism in the US.

Note: Open to Freshmen only.

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

Catalog Number: 0796 Enrollment: Limited to 12.

James R. Russell

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

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

Note: Open to Freshmen only.

***Freshman Seminar 40i. The Supreme Court in U.S. History**

Catalog Number: 7142 Enrollment: Limited to 12.

Richard H. Fallon (Harvard Law School)

Half course (fall term). W., 2–4.

Often described as the world's most powerful court, the U.S. Supreme Court has not always enjoyed high prestige or unquestioned authority. The Court's significance has waxed and occasionally waned, with the variations typically depending on surrounding currents in the nation's social and political history. Examines the history of the Court from the nation's founding to the present. Highlights relation between constitutional law and ordinary politics, and the ways in which they influence one another.

Note: Open to Freshmen only.



***Freshman Seminar 40q. The Evolution of Cooperation**

Catalog Number: 9310 Enrollment: Limited to 12.

Robert H. Neugeboren

Half course (spring term). W., 1–3.

"Under what conditions will cooperation emerge in a world of egoists without central authority?"

In 1979, Robert Axelrod employed model from mathematical theory of games, known as the prisoner's dilemma, to study evolution of cooperation, establishing paradigm now shared by social scientists, biologists, computer scientists, and others. This seminar introduces basic game theory, focusing on prisoner's dilemma and evolutionary games, and students will design strategies to play repeated prisoner's dilemma tournament.

Note: Open to Freshmen only.

***Freshman Seminar 40v. Around the World in 80 Ways - (New Course)**

Catalog Number: 8800 Enrollment: Limited to 12.

Joyce E. Chaplin

Half course (fall term). Tu., 2–4; Tu., at 4.

This seminar examines the 500-year history and consequences of around-the-world travel, from Magellan the Spanish explorer to Magellan the GPS system. Each week, students read about and discuss a different type, phase, or aspect of circumnavigation, with special attention to different historical and cultural contexts for such travel, to the changing experience of doing a global circuit (via sailing ship, steam ship, airplane, submarine, or spacecraft), and to environmental impact of around-the-world travel.

Note: For Freshmen only.

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

Catalog Number: 0047 Enrollment: Limited to 12.

Rachel St. John

Half course (fall term). M., 2–4.

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

Note: In addition to the regularly scheduled class time, a number of film screenings will be arranged over the course of the semester. Open to Freshmen only.

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

Catalog Number: 0088 Enrollment: Limited to 12.

Theodore Macdonald

Half course (fall term). W., 3–5.

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



widely known human rights cases.

Note: Open to Freshmen only.

***Freshman Seminar 41l. Race and Psychoanalysis**

Catalog Number: 0500 Enrollment: Limited to 12.

Rani Neutill

Half course (fall term). W., 1–3.

If race is no longer determined biologically, how do we comprehend its persistence in structuring identity? How do we translate the racial into the psychic? How do racial and ethnic differences facilitate social and psychic dynamics? Considers a cross-cultural selection of literary texts and films in combination with short readings from psychoanalytic theory in order to uncover some of the meanings of race and its roles in the construction of identity.

Note: Open to Freshmen only.

***Freshman Seminar 41p. American Presidential Campaigns and Elections 1960-2008**

Catalog Number: 2004 Enrollment: Limited to 12.

Maxine Isaacs

Half course (fall term). W., 1–3.

What lessons of modern presidential campaigns since 1960 help us understand the unusual and exciting 2008 presidential election? Perspectives studied: change in presidential campaigns over time; demographic changes over 48 years and their impact; nature and structure of American public opinion about presidential politics and presidency; ways American news media transmit information about issues, candidates and campaigns; impact of news upon political behavior and what people actually do with information received through the news media.

Note: Open to Freshmen only.

***Freshman Seminar 42g. From Coffee to Coal: Global Histories of Commodities - (New Course)**

Catalog Number: 5304 Enrollment: Limited to 12.

Alison F. Frank

Half course (spring term). Tu., 1–3.

Introduces students to international history through the study of commodities ranging from oil, coal, and cotton to potatoes, rum, coffee, and sugar. Encourages students to think globally and across the socio-economic spectrum. Showcases historical writings that transcend geographic, cultural, and political boundaries between East and West, North and South, Atlantic and Pacific as well as methodological boundaries between cultural, economic, business, and environmental history, the history of food, of technology, and of ideas.

Note: For Freshmen only.

***Freshman Seminar 42k. Comparative Law and Religion**

Catalog Number: 9992 Enrollment: Limited to 12.

Ofrit Liviatan

Half course (spring term). W., 2–4.

Investigates how modern democracies use their legal systems to address religion-based conflicts, and evaluates the effects of the legal process on the resolution of these conflicts. Examines different philosophical approaches to the role of religion in public life and discusses their legal



manifestations drawing on legal cases from the US, Turkey, India, Israel, Spain, Canada, and England. Studies contemporary debates about the funding of religious institutions, the wearing of Islamic headscarves.

Note: Open to Freshmen only.

***Freshman Seminar 42l. Changing Concepts of Race in Modern America - (New Course)**

Catalog Number: 0304 Enrollment: Limited to 12.

Kimberly McClain DaCosta

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

Lay notions of race tend to assume that race is a property of the body; given at birth and unchangeable. Yet concepts of race--what race is, how people ought to be racially classified, and racial classifications themselves--have changed over time, vary across societies, and are often objects of struggle. This course introduces students to the social scientific study of race and the challenge it poses to biological understandings of race.

Note: For Freshmen only.

***Freshman Seminar 42n. Comparative National Security of Middle Eastern Countries - (New Course)**

Catalog Number: 5714 Enrollment: Limited to 12.

Charles David Freilich

Half course (spring term). Tu., 2–4.

The course surveys the national security threats and opportunities facing the primary countries of the Middle East, from their perspective. Issues discussed include the domestic sources of national security considerations, relations with regional and international players, military doctrine, foreign policy principles. The seminar is an interactive, "real world" exercise, in which students play the role of leaders in the countries of their choosing and write practical policy recommendations on current affairs.

Note: For Freshmen only.

***Freshman Seminar 42o. The World in an Object: Studies of Comparative Technologies and Cosmologies in the Peabody Museum - (New Course)**

Catalog Number: 7042 Enrollment: Limited to 12.

Gary Urton

Half course (fall term). W., 3–5:30.

Feather headdresses, textiles with human-jaguar images, and ceramics adorned with glyphs: What technologies were involved in the production of such objects? What can such objects tell us about the cosmologies, or worldviews, of their makers? This course provides students the opportunity to address such questions by working with artifacts in Harvard's Peabody Museum of Archaeology and Ethnology. The objective of the course is to develop an understanding of comparative technologies and worldviews.

Note: For Freshmen only.

***Freshman Seminar 42q. Cosmopolitanism and Globalization: A Latin American Perspective - (New Course)**

Catalog Number: 4079 Enrollment: Limited to 12.

Mariano Siskind



Half course (fall term). Tu., 1–3:30.

This seminar attempts to approach a variety of discourses of cosmopolitanism from the perspective of the current hegemony of imaginaries of globalization that tend legitimize different forms of cultural and economic exclusion of subaltern subjectivities, whether in Latin America or in other margins of the modern world. A close analysis of the ways in which literature, film and critical theory shape up a cosmopolitan discourse will hopefully render visible the uneven global spatialization of modern desires.

Note: Open to Freshmen only. The course will be taught in English. Most readings will be available in English, and only a minority will be available only in Spanish.

***Freshman Seminar 42t. The Age of Reason - (New Course)**

Catalog Number: 3620 Enrollment: Limited to 12.

Stefan Bird-Pollan

Half course (fall term). W., 2–4.

The Enlightenment was a time of great intellectual and political change, encompassing the French Revolution as well as the American Revolution. We move from the rejection of religion and the emerging new physical as well as economic sciences to the question of political and social emancipation through the rights of man. In doing so, we examine contributions by thinkers like Hume, Kant, Bacon, Voltaire, Locke, Wollstonecraft, Paine, Smith and Rousseau.

Note: Open to Freshmen only.

***Freshman Seminar 42u. The Laws of War and the War on Terrorism - (New Course)**

Catalog Number: 9694 Enrollment: Limited to 12.

Gregg Andrew Peebles

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

How do the "laws of war" regulate the conduct of the United States in the "Global War on Terrorism?" This seminar examines the historical development of two legal concepts: *jus ad bellum*, which determines the legitimacy of the use of armed force; and *jus in bello*, which defines the duties of belligerent states. Drawing on this background, the seminar explores how these laws have influenced the way the US has conducted military operations since 9/11.

Note: Open to Freshmen only.

***Freshman Seminar 42v. Human Rights Between Rhetoric and Reality**

Catalog Number: 1757 Enrollment: Limited to 12.

Stephen P. Marks (Public Health)

Half course (fall term). M., 1–3.

Examines radically different perspectives on the question of whether human rights discourse is merely rhetorical or captures a significant dimension of reality for peoples in diverse cultures. Topics include compatibility of human rights with contending philosophical systems and religions, feminism, and critical theory; challenges to human rights from various scientific perspectives, including evolutionary biology, genetic engineering, and brain research; and the relative significance of human rights in law and government, economics, and foreign policy.

Note: Open to Freshmen only.

***Freshman Seminar 42w. The Book: From Gutenberg to the Internet**

Catalog Number: 6004 Enrollment: Limited to 12.



Robert Darnton

Half course (spring term). Th., 1–4.

Examines the impact of books on Western culture from the time of Gutenberg. Hands-on experience in studying the book as a physical object and theoretical reflection on the nature of printing as a means of communication. Students will consider the publishing history of great books such as Shakespeare's First Folio and will address the problem of books as elements in the electronic media.

Note: Open to Freshmen only. Students should schedule additional time after the seminar meeting for hands-on workshops.

***Freshman Seminar 42x. Leisure, Play, and Idleness in Russian Literature - (New Course)**

Catalog Number: 8776 Enrollment: Limited to 12.

Laura Schlosberg

Half course (fall term). M., 3–5.

Can leisure be used to study literature? This seminar examines how Russian writers depicted leisure activities, and used leisure to develop characters and plots. Using this lens onto Russian literature, the seminar considers: the tensions between work and leisure; respectability; leisure as a venue for more "serious" activity; and leisure's dangerous aspects. In addition, the seminar looks at the playful depiction of everyday Russian life through humor and satire.

Note: All readings are in English. Open to Freshmen only.

***Freshman Seminar 43g. Human Nature and the Past, Present and Future of War - (New Course)**

Catalog Number: 3776 Enrollment: Limited to 12.

Richard W. Wrangham

Half course (fall term). W., 5–7 p.m.

Examines the relationship between human evolutionary biology and warfare in the human species as a whole, from hunter-gatherers to modern industrial society. Three texts provide functional explanations for primitive war, evolutionary analyses of international relations, and ideas for the avoidance of war. Students will write short response papers and a final paper.

Note: Open to Freshmen only.

***Freshman Seminar 43i. Secularism: Religion's Rival or Democracy's Religion? - (New Course)**

Catalog Number: 0610 Enrollment: Limited to 12.

K. Healan Gaston

Half course (spring term). Th., 1–4.

This course examines the emergence of two competing understandings of secularism in contemporary public discourse. One portrays secularism as an inauthentic religion, threatening the traditional faiths that sustain democracy. The other portrays secularism as the authentic religion of democracy, unique in its ability to foster tolerance and respect for freedom of conscience. Students use historical readings to grapple with these paradigms, exploring what each implies about America's religious pluralism and the nature of American democracy.

Note: Open to Freshmen only.



***Freshman Seminar 43q. Historian and the Genes—From Mendel to Human Clones**

Catalog Number: 6220 Enrollment: Limited to 12.

Everett I. Mendelsohn

Half course (fall term). W., 2–4.

Examines several sides of the history of genetics -- scientific, cultural, social, and political -- through the reading of original texts, through the study of their reception, rejection, or modification, through the analysis of their incorporation into fiction as well as social theory and practice, and through the exploration of their interaction with other sciences and with agricultural and medical practices.

Note: Open to Freshmen only. There will be one or two additional evening sessions to view films.

***Freshman Seminar 43w. History, Nationalism, and the World: the Case of Korea**

Catalog Number: 4281 Enrollment: Limited to 12.

Sun Joo Kim

Half course (spring term). Th., 1–3.

The colonialism and postcolonial division of Korea into North and South thrust the memory of past events into current political discussions as well as scholarly debates. This seminar investigates selected events in Korean history to map the interaction between historical writing and politics and to address questions such as why historians have emphasized certain periods and aspects of Korean history while ignoring others.

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

***Freshman Seminar 43y. What are the origins of morality, rights, and law?**

Catalog Number: 9380 Enrollment: Limited to 12.

Alan Dershowitz (Law School)

Half course (fall term). W., 1–3.

What are the sources of morality, law and rights? This seminar explores these sources through a variety of readings: *The Brothers Karamazov*, excerpts from the Old and New Testaments and the Koran as well as from my book, *The Genesis of Justice*, psychology (Steven Pinker, Marc Hauser), philosophy (Robert Nozick, Socrates, Cicero), jurisprudence (my book, *Rights From Wrongs*, Ronald Dworkin) and positive law (the Declaration of Independence, the Constitution, and foundational documents from other countries).

Note: Open to Freshmen only.

***Freshman Seminar 43z. Cyberspace in Court: Law of the Internet**

Catalog Number: 2880 Enrollment: Limited to 12.

Phillip Robert Malone

Half course (fall term). M., 3–5:30.

How collisions of interests in online space play out in lawsuits or in proposals before legislatures -- controversies involving Google, YouTube, Apple, Microsoft, MySpace. Examines broad questions of social and technology policy through the lens of law and specific lawsuits. Topics: copyright and fair use, peer-to-peer file sharing, digital rights management, and the DMCA; online speech, anonymity, and privacy; citizen journalism and new media; competition and antitrust; pornography, child protection, and online gambling; security, phishing, and spyware.

Note: Open to Freshmen only.



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

Catalog Number: 1032 Enrollment: Limited to 12.

Richard N. Cooper

Half course (fall term). W., 2–4.

Reviews what is known about greenhouse gas emissions' possible impact on climate. Explores possible impact of climate change on social and economic conditions over the next century. Investigates possible public policy responses to these developments, including actions both to adapt to and to mitigate climate change. What would be the costs of adaptation? Would an investment in mitigating the changes be worthwhile? Are there possibilities for international cooperation in dealing with the problem?

Note: Open to Freshmen only.

[*Freshman Seminar 44l. Religion and Human Rights: Intersections and Tensions] - (New Course)

Catalog Number: 2575 Enrollment: Limited to 12.

Melanie Adrian

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

This course considers the legal, theoretical and theological interconnections between religion and human rights. Students are familiarized with key concepts including definitions of human rights, their origins and limitations, and cultural relativism. These concepts are brought into dialogue with four major world traditions and three case studies (female genital mutilation and the debates around the headscarf in France and Turkey).

Note: Expected to be given in 2009–10. Open to Freshmen only.

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

Catalog Number: 0019 Enrollment: Limited to 12.

Rena Fonseca

Half course (fall term). Tu., 2–4.

Explores rich post-colonial literature, by Indians in English, interpreting India's variety and contradictions. Explores several themes at the heart of Indian society: the idea of India, legacy of colonialism, caste struggles, religious identities, changing role of women, and influence of the diaspora. What does it mean to be an Indian today? Readings from history, political science, and sociology provide basic concepts; fiction readings embed social science concepts and ground them in lived experience.

Note: Open to Freshmen only.

***Freshman Seminar 44q. Evolution and Human Behavior - (New Course)**

Catalog Number: 7809 Enrollment: Limited to 12.

Judith F. Chapman

Half course (spring term). F., 2–4.

This seminar explores human behavior from an evolutionary perspective. Topics will include basic evolutionary and life history theory as well as various adaptive problems humans have faced over time: survival (predator/prey interaction, immune function, nourishment...), mating (mate selection, attraction & retention, sexual coercion, sperm competition, physical attractiveness, ...), parenting and kinship (parental investment, parent offspring conflict, and hormonal adaptations to parenting), and group living (social exchange, aggression, dominance,



morality).

Note: Open to Freshmen only.

***Freshman Seminar 44v. Urban Environmental Health - (New Course)**

Catalog Number: 3210 Enrollment: Limited to 12.

Jonathan Ian Levy (Public Health)

Half course (spring term). W., 2–4.

In a world where half of the population now lives in urban areas, this course examines the complex environmental and health implications of urbanization, considering both beneficial and detrimental effects in developing and developed countries. Case studies include health and safety risks from traffic around the world, environmental implications of energy usage and generation patterns in the United States and China, and health risks related to substandard drinking water in mega-cities in developing countries.

Note: Open to Freshmen only.

***Freshman Seminar 44x. Tackling the Toughest Challenges for Modern American Higher Education - (New Course)**

Catalog Number: 0768 Enrollment: Limited to 12.

Richard J. Light (Education)

Half course (fall term). Tu., 2–4.

This Seminar explores controversies that will shape the future of American higher education. We emphasize careful study of empirical evidence. Topics include: (1) Diversity: With increasing "diversity" among students at most colleges, what can colleges do to help each student succeed? (2) What constructive role can standardized testing play in colleges? (3) What are ways to assess how well a college is serving its students? (4) What is the future of America's private liberal arts colleges?

Note: Each student's obligation is to write two five page papers on assigned topics, and a longer, 25 page final paper on a topic of their own choice. Open to Freshmen only.

***Freshman Seminar 45f. American Splendor: Alternative American Comics**

Catalog Number: 5597 Enrollment: Limited to 12.

Katherine Stanton

Half course (spring term). W., 3–5.

This seminar examines the alternative comics inspired by underground comix. Reading comics by Harvey Pekar, Jaime Hernandez, and Alison Bechdel, among others, we focus on their formal and political qualities. How do alternative comics represent and revise gender norms, the notion of racial and ethnic origins, and the narrative of upward mobility? What do these comics reveal about what it means to be properly female or male, authentically working class, or truly American? Why comics, now?

Note: Open to Freshmen only.

[*Freshman Seminar 45k. The Female Body in Modern America]

Catalog Number: 5464 Enrollment: Limited to 12.

Karen P. Flood

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

This seminar examines the female body as a site of political, social, and cultural struggle in the



United States from 1900 to the present, focusing on three main areas: reproduction and reproductive rights; sexuality; and ideals of appearance. The seminar pays particular attention to the diversity of women's experiences and gender ideals according to race, class, and sexuality. Students will work through the stages of an historical research paper on a topic of their choice.
Note: Expected to be given in 2009–10. Open to Freshmen only.

***Freshman Seminar 46e. The Germans and Their History**

Catalog Number: 7802 Enrollment: Limited to 12.

Steven Ozment

Half course (fall term). Tu., 2–4.

Can earlier centuries shed light on the present ones? The seminar will reach back to the first century C.E. and forward to the twenty-first century in search of continuities and discontinuities in the political and cultural life of Germans. The goal will be to discover defining experiences in German history and memory and to ask what they promise, or portend, for a united and democratic Germany facing new demographic, economic, and geo-political crises.

Note: Open to Freshmen only.

***Freshman Seminar 46p. Human Rights in Peace and War**

Catalog Number: 8408 Enrollment: Limited to 12.

Jennifer Leaning (Public Health) and Jacqueline Bhabha (FAS, Law School)

Half course (fall term). W., 3–5.

Studies how human rights perspective illuminates relations between state authority and individuals and defines standards of behavior that societies agree to aspire to reach. Topics include the 1948 Universal Declaration of Human Rights, rights in political and economic spheres, the rights of women, children, and refugees, international human rights law and international humanitarian law, and the state, regional, and international processes and structures that establish and monitor the regime of international human rights law.

Note: Meets at the John F. Kennedy School of Government. Open to Freshmen only.

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

Catalog Number: 5122 Enrollment: Limited to 12.

Robert J. Sampson

Half course (spring term). M., 4–6.

Explores fundamental debates on crime's definition, nature, explanation, and control. Begins with controversies over the very definition of crime and deviance. Explores the assumptions that different theories make about human nature, and then turns to competing explanations and paradigms. Asks why the integration of knowledge has been so difficult in the study of crime, and assesses how competing theories square with relevant data. Implications of sociological theory for understanding approaches to control of crime.

Note: Open to Freshmen only.

***Freshman Seminar 47i. Violence in 20th-Century Europe - (New Course)**

Catalog Number: 5893 Enrollment: Limited to 12.

John D. Ondrovicik

Half course (spring term). Th., 2–5;.

Examines forms of European violence from crime, the world wars, genocide, terrorism, to post-



colonial conflicts; addresses the problems of the next century. Explores the issues involved in studying violence from historical and theoretical perspectives. Can violence be understood by those who have not experienced it? What are the relationships between forms of conflict and changes in social, cultural, and material life? Course materials include historical monographs, theoretical texts, personal narratives, literature, and film.

Note: Open to Freshmen only.

[*Freshman Seminar 47m. Nationalism and the Modern World]

Catalog Number: 7343 Enrollment: Limited to 12.

Nikolas Prevelakis

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

Investigates process through which nationalism emerged, first in Europe, then in the rest of the world. Impact on the economy, religion, and literature. Emphasis on differences between types of nationalism as well as on importance of national intellectuals, the circulation of ideas and of their means of transmission. Empirical evidence mostly from the history of Europe, but also the United States, Japan, the Balkans, and Latin America. Requires one class presentation and short research paper.

Note: Expected to be given in 2009–10. Open to Freshmen only.

***Freshman Seminar 47u. Declarations of Independence: The Political Philosophy of the American Revolution**

Catalog Number: 4718 Enrollment: Limited to 12.

David R. Armitage

Half course (fall term). Tu., 2–4.

Examines the Declaration of Independence in some unfamiliar contexts. Introduces the development of modern ideas of rights, nationality, and statehood. Connects Declaration to two centuries of arguments justifying rebellion, secession, and rights. Examines the political philosophy of the American Revolution, replies to the Declaration, other American declarations of independence on behalf of women, African-Americans, workers, and other groups during the 19th and 20th centuries, and analogues produced by later nationalist, secessionist, and anti-colonial movements.

Note: Open to Freshmen only.

***Freshman Seminar 47v. Understanding Capitalism Through 20th Century History**

Catalog Number: 3909 Enrollment: Limited to 12.

Max A. Likin

Half course (spring term). Tu., 2–4.

Examines questions raised by capitalism in the course of the century. The varieties of capitalism, the central role of accelerated technological transformation, and the ever-changing array of coordination mechanisms -- involving the market, multinational corporations, civilian society, and the state -- introduce the study of inherited problems and opportunities. Strives to formulate a definition of capitalism as something that comprises a doctrine, legal system, economic formation, a simple desire to own, and infectious greed.

Note: Open to Freshmen only.



***Freshman Seminar 47x. Electing Thomas Jefferson**

Catalog Number: 4071 Enrollment: Limited to 12.

Jill M. Lepore

Half course (fall term). Tu., 1–3.

In 1800, Thomas Jefferson and Aaron Burr ran against the incumbent, John Adams, in arguably the most important presidential election in American history. Jefferson claimed that the vote would "fix our national character" and "determine whether republicanism or aristocracy would prevail." Whether or not the nation's destiny was at stake, the election was the first marked by mudslinging. 2008 promises to be a good year to revisit it.

Note: Open to Freshmen only.

***Freshman Seminar 48i. State, Tribes, and Cities: Varieties of Political Organization**

Catalog Number: 8869 Enrollment: Limited to 12.

Noah I. Dauber

Half course (spring term). W., 4–6.

Political organization in the West has varied a great deal over the ages, including kinship groups, city-states, lordships, church communities, and nation states. This seminar will explore both the theory and practice of these forms from Antiquity to the present. Questions to be considered include: What is a political community? How is it different from a private community? How do urban and rural forms differ? How is membership defined in the different forms?

Note: Open to Freshmen only.

***Freshman Seminar 48l. Extremism: Causes, Consequences, Cures - (New Course)**

Catalog Number: 6020 Enrollment: Limited to 12.

Samantha J. Power and Cass Robert Sunstein (Law School)

Half course (fall term). M., 4–6.

Extremism helps fuel political polarization, excessive risk-taking, ethnic and sectarian conflict, terrorism, and genocide. Seminar examines the causes and consequences of extremism, as exhibited individually, collectively, interpersonally, domestically, and internationally. The seminar starts by asking the question: When do individuals or groups gravitate toward the extremes? It draws upon a wide range of evidence, such as laboratory experiments, reviews of judicial behavior, and profiles of terrorists and the perpetrators of mass atrocity. It then asks: Once extremism has been unleashed, can it be reigned back in? By whom? Here, too, the seminar explores clinical and real world efforts to reduce polarization, curb extremism (or reduce the sway of extremists), and prevent serious harm.

Note: Open to Freshmen only.

***Freshman Seminar 48o. The History and Practice of Ancient Greek Astronomy**

Catalog Number: 8926 Enrollment: Limited to 12.

Mark Schiefsky

Half course (fall term). W., 2–4.

The seminar has two goals: (1) to gain an understanding of the historical development of ancient Greek astronomy, by examining both theories and concrete details of ancient astronomical practice; and (2) to address general questions about the nature of science raised by this development, including especially the relationship of theory to observation and the role of models. Class presentation, weekly exercises, and one paper.



Note: Open to freshman only.

Prerequisite: No mathematics beyond high-school trigonometry is required.

***Freshman Seminar 48v. North Korea as History and Crisis**

Catalog Number: 5209 Enrollment: Limited to 12.

Carter J. Eckert

Half course (fall term). Th., 2–4.

Explores the historical context of the present crisis on the Korean peninsula and engages students in current debates about the crises from a variety of different official, institutional, and popular perspectives, including those of North and South Korea, the United States, China, Japan, Russia, and other concerned parties, such as the United Nations. Students encouraged to develop own perspectives on resolving the crisis. Examines role of historical forces in shaping the crisis and its possible resolution.

Note: Open to Freshmen only.

***Freshman Seminar 49g. The Holocaust, History and Reaction**

Catalog Number: 1208 Enrollment: Limited to 12.

Kevin J. Madigan (Divinity School)

Half course (fall term). W., 1–3.

Approaches Nazi persecution of European Jewry from several disciplinary perspectives. Presents background and narrative of the Holocaust, introduces the use of primary historical sources, and studies some of the major historiographical debates. Evaluates religious and theological reactions to the Holocaust -- uses literary, cinematic, and theological sources. Considers the role played by the Protestant and Catholic churches and theologies in the Holocaust. Assesses role played by the Holocaust in today's world, specifically in the United States.

Note: Open to Freshmen only.

***Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test**

Catalog Number: 9965 Enrollment: Limited to 12.

Marla D. Eby (Medical School)

Half course (fall term). W., 3–5.

Introduces the history of psychological tests, from the perspective of the psychologists using them, the people tested, and the general public. Examines the creativity within psychology in the making of such tests, as well as the drawbacks and dangers of the (mis)uses of these instruments. Explores tests in current use, as well as tests contained in various Harvard archives. Final project for this seminar involves the design of an original psychological test.

Note: Open to Freshmen only.

***Freshman Seminar 49y. Amateur Athletics**

Catalog Number: 4686 Enrollment: Limited to 12.

Harry R. Lewis

Half course (spring term). M., 1–3.

Where did the amateur ideal come from? Is athletic amateurism still a useful or even meaningful concept today? The history of athletics in ancient Greece in Victorian England, and in New England. College, Olympic, and professional athletics. Athletic competition as a social, spiritual,



educational, and commercial institution. The relation of recent trends, including the democratization and internationalization of higher education, to the amateur ideal, its history, and its future.

Note: Open to Freshmen only.

***Freshman Seminar 49z. The Art of the Impossible: Political Leadership in the 20th Century**

Catalog Number: 7628 Enrollment: Limited to 12.

Roderick MacFarquhar

Half course (spring term). Tu., 2–4.

Academic interest in political leaders has declined as historians and political scientists have focused on political, economic, and social forces. But certain individual leaders stand out for having bestowed great benefit or having wreaked great havoc upon their nations. Considers political leadership not as the art of the possible but the art of the impossible: mobilizing a nation for Herculean efforts or leading it into uncharted waters.

Note: Open to Freshmen only.

Extra-Departmental Courses

Extra-Departmental Courses: Humanities

***Humanities 10. An Introductory Humanities Colloquium**

Catalog Number: 3983 Enrollment: Limited to 36.

Stephen J. Greenblatt and Louis Menand

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

The course is designed for students interested in concentrating in a Humanities discipline. We cover major works of literature and ideas from Homer, Plato, and Aristotle to Nietzsche, Freud, and Joyce. Many of the texts have thematic connections; we hope that all of them will stimulate interest in the kinds of issues addressed in humanistic studies.

Note: Ninety-minute lecture-discussion, plus one-hour section led by the instructors. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A or the General Education requirement for Aesthetic and Interpretive Understanding.

[Humanities 11. Self, Serenity, and Vulnerability: East and West]

Catalog Number: 2401

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

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

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

Note: Expected to be given in 2009–10.



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

Catalog Number: 9725

Christopher D. Johnson

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

The course examines how foundational Western literary and philosophic texts represent the nature, meaning, and limits of human existence. Focuses on diverse ways becoming and being human are represented in antiquity and then considers how these representations are transformed and combined in the Renaissance. Authors include Sappho, Homer, Plato, Ovid, Montaigne, Shakespeare, Cervantes, and Descartes. Close attention given to the literary and rhetorical aspects of the course readings.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

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

Catalog Number: 3016

Verena A. Conley

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

This course examines problems of existence in relation to self and other in the world from the early Christian era to our days. It shows how *existence* preoccupies major writers who have approached its implications (and the dilemmas it inspires) in different ways. At stake are the redemptive powers of religion, thoughts about the death of God, the limits of atheism, and philosophies of becoming.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Other Extra-Departmental Courses

Extra-Departmental Courses 186. Introduction to Health Care Policy

Catalog Number: 4045

Michael Chernew (Medical School)

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

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

Note: This course may not be taken for credit in addition to General Education 186.

***Extra-Departmental Courses 187. The Quality of Health Care in America**

Catalog Number: 4832 Enrollment: Limited to 35.

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



Half course (spring term). Tu., Th., 4:30–6, and a weekly section to be arranged. EXAM GROUP: 18

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

Note: This course may not be taken for credit in addition to General Education 187.

Cross-listed Courses

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

House Seminars

Winthrop

Winthrop 75. The Laws of War - (New Course)

Catalog Number: 7271 Enrollment: Limited to 20.

Gregg Andrew Peebles

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

What are the "laws of war"? This seminar examines the historical development of two legal concepts: *jus ad bellum*, which judges the legitimacy of the use force in international relations; and *jus in bello*, which defines the duties of belligerent governments during armed conflicts. Drawing on this background in international and U.S. law, the seminar then explores how these laws have influenced the U.S. "war on terror" and how they might shape future international conflicts.

Primarily for Undergraduates

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

Currier

Eliot

[*Eliot 79. Nutrition and Public Health]

Catalog Number: 1497 Enrollment: Limited to 20.

Clifford Lo (Public Health)

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

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: Expected to be given in 2009–10. Clinical rounds with Nutrition Support Services at Children's Hospital are optional.

Leverett

***Leverett 74. Sigmund Freud and C. S. Lewis: Two Contrasting World Views**

Catalog Number: 0773 Enrollment: Limited to 20.

Armand M. Nicholi II (Medical School)

Half course (spring term). M., 2–4.

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

Mather

Mather 75. Russian Women Writers of the Imperial Era - (New Course)

Catalog Number: 4352 Enrollment: Limited to 20.

Laura Schlosberg

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

This seminar looks at writings by Russian women from the Imperial era. Readings and discussions consider what constitutes Russian women's writing, courtship, marriage, and women's roles in society; women's education and the so-called "woman question"; and cultural and revolutionary changes. In addition to memoirs, novels, short stories, and poems, the seminar explores other genres such as cookbooks, religious texts, songs, political propaganda, legal documents, and medical writing.

***Mather 78. Four Alienated Literary Visionaries**

Catalog Number: 6152 Enrollment: Limited to 20.

James R. Russell

Half course (fall term). W., 7–10 pm. EXAM GROUP: 9

Considers issues of literature, culture, and politics in the life and work of four 20th-century American writers living in Cambridge. Each interpreted a remote culture and set of problems to contemporaries, in attempting to resolve personal and social alienation: T. S. Eliot, Delmore Schwartz, Vladimir Nabokov, and William S. Burroughs. They enriched an American literature that is still in formation; and the four writers, spanning the modernist and post-modern epochs, are now in its mainstream.



African and African American Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of African and African American Studies

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

Emmanuel K. Akyeampong, Harvard College Professor and Professor of History and of African and African American Studies

Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies (*on leave 2008-09*)

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities (*on leave fall term*)

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

Lawrence D. Bobo, W. E. B. Du Bois Professor of the Social Sciences

Glenda R. Carpio, Associate Professor of African and African American Studies and of English
Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies

Marla F. Frederick, Associate Professor of African and African American Studies and of the Study of Religion (*on leave 2008-09*)

Duana Fullwiley, Assistant Professor of Anthropology and of African and African American Studies

Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor

Claudine Gay, Professor of Government and of African and African American Studies (*on leave fall term*)

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

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor (*on leave spring term*)

Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures

Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature (*Director of Graduate Studies, fall term*)

Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies

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

Michael R. Kremer, Gates Professor of Developing Societies

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies, Senior Adviser to the Dean on Faculty Development and Diversity

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

Christopher N. Matthews, Visiting Associate Professor of African and African American



Studies, Contin Ed/Spec Prog Instructor, Associate of the Department of African and African American Studies

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

Marcyliena Morgan, Professor of African and African American Studies

John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program

Susan E. O'Donovan, Associate Professor of African and African American Studies and of History

Jacob Olupona, Professor of African and African American Studies and Professor of African Religious Traditions (*FAS*), Professor of African Religious Traditions (*Divinity School*) (*on leave spring term*)

Charles Owu Ewie, Preceptor in African and African American Studies

Tommie Shelby, Professor of African and African American Studies and of Philosophy (*Director of Undergraduate Studies*)

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House

James Sidanius, Professor of Psychology and of African and African American Studies

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*Director of Graduate Studies, spring term*) (*on leave fall term*)

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies

John Stauffer, Professor of English and of African and African American Studies

David Williams, Florence Sprague Norman and Laura Smart Norman Professor of Public Health in the School of Public Health and Professor of African and African American Studies in the Faculty of Arts and Sciences

William Julius Wilson, Lewis F. and Linda L. Geyser University Professor

Other Faculty Offering Instruction in African and African American Studies

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

Vincent Brown, Dunwalke Associate Professor of American History (*on leave 2008-09*)

Orlando Patterson, John Cowles Professor of Sociology

Mark R. Warren, Associate Professor of Education (*Education School*)

Primarily for Undergraduates

[African and African American Studies 10. Introduction to African American Studies](#)

Catalog Number: 0802

Henry Louis Gates, Jr. and Evelyn Brooks Higginbotham

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

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

Note: Required of concentrators in the African American Studies track. Students who transfer



into the concentration after their sophomore year may substitute another African and African American Studies course already taken if they satisfy the Director of Undergraduate Studies that it establishes a basic familiarity with the materials covered in African and African American Studies 10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

African and African American Studies 11. Introduction to African Studies

Catalog Number: 9428

Francis Abiola Irele and J. Lorand Matory

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

This course introduces students to the general outlines of African geography and history, as well as key controversies in the study of African health, social life, arts, and politics. Our aim is to give students a fundamental vocabulary and interdisciplinary methodology for the study of Africa. Throughout, we assume that Africa is not a unique isolate but a continent bubbling with internal diversity, historical change, and cultural connections beyond its shores.

Note: Required of concentrators in African Studies track.

[African and African American Studies 12. What is Black Religion?: An Introduction]

Catalog Number: 7352

Marla F. Frederick

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

This course offers an introduction to broad themes in the study of African American religion in the US. Using an interdisciplinary approach, we explore the cultural expressions, social/political workings and historic development of what is commonly referred to as "black religion". Given the pre-existing and growing diversity of religious expression in the US, we ultimately ask what (if anything) allows us to hold "black religion" as a distinct category of social meaning?

Note: Expected to be given in 2010–11.

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

Catalog Number: 2048

John M. Mugane

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

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

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

African Languages

Language classes are open to undergraduates, graduate students, and cross-registration applicants.



Undergraduate Language Tutorials

***African and African American Studies 90r. African Language Tutorials**

Catalog Number: 7010

John M. Mugane

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

Individualized study of an African language at the elementary level. Contact hours with language coach. Emphasis on written expression, reading comprehension and oral fluency. The following languages are a partial list of those that can be taken: Bambara, Hausa, Igbo, Malagasy, and Zulu. In 2007-08, over 16 sub-Sahara languages were taught in the Department.

Note: For instruction in languages that are not listed, please consult the Director of the African Language Program. Not open to auditors.

Gikuyu

Gikuyu A. Elementary Gikuyu

Catalog Number: 0009

John M. Mugane

Full course (indivisible). Hours to be arranged.

Gikuyu is a Bantu language spoken by Kenya's most populous ethnic group. The Gikuyu are among Africa's most recognized peoples because of the Mau Mau freedom fighters who were mainly Gikuyu.

Note: The course is designed primarily for students who have no prior knowledge of Gikuyu; however, students with minimal knowledge of the language may also register for the course. Not open to auditors.

Gikuyu B. Intermediate Gikuyu

Catalog Number: 0010

John M. Mugane and assistant

Full course (indivisible). Hours to be arranged.

Continuation of Gikuyu A. Gikuyu is a Bantu language spoken by Kenya's most populous ethnic group. The Gikuyu are among Africa's most recognized peoples because of the Mau Mau freedom fighters who were mainly Gikuyu.

Note: Not open to auditors.

Prerequisite: Gikuyu A or the equivalent of one year's study in Gikuyu.

Gikuyu 101ar. Reading in Gikuyu

Catalog Number: 0017

John M. Mugane and assistant

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

Note: Not open to auditors.

Prerequisite: Gikuyu B or equivalent.

Gikuyu 101br. Reading in Gikuyu II

Catalog Number: 0018

John M. Mugane and assistant



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

Note: Not open to auditors.

Prerequisite: Gikuyu 101ar or equivalent.

Swahili

Swahili A (formerly African and African American Studies 121). Elementary Swahili

Catalog Number: 1878

John M. Mugane

Full course (indivisible). Fall: M., W., F., at 10; Spring: M., W., F., at 10. EXAM GROUP: 3

A study of the *lingua franca* of East Africa at the elementary level. Contact hours supplemented by language lab sessions. Emphasis on written expression, reading comprehension, and oral fluency.

Note: Not open to auditors.

Swahili B. Intermediate Swahili

Catalog Number: 3442

John M. Mugane and assistant

Full course (indivisible). M. through W., 5–7 p.m.

Continuation of Swahili A. A study of the *lingua franca* of East Africa at the elementary level.

Contact hours supplemented by language lab sessions. Emphasis on written expression, reading comprehension, and oral fluency.

Note: Not open to auditors.

Prerequisite: Swahili A or the equivalent of one year's study of Swahili.

Swahili 101ar. Reading in Swahili

Catalog Number: 8503

John M. Mugane and assistant

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

Prerequisite: Swahili B or equivalent.

Swahili 101br (formerly African and African American Studies 121b). Reading in Swahili II

Catalog Number: 7746

John M. Mugane and assistant

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

Prerequisite: Swahili 101ar or equivalent.

Twi

Twi A. Elementary Twi

Catalog Number: 0023

Charles Owu Ewie

Full course (indivisible). Hours to be arranged. EXAM GROUP: Spring: 9

Twi is one of the regional languages of the Akan speaking peoples of Ghana, constituting the largest ethnic group in Ghana. Twi, is fast becoming the *lingua franca* of the country. This



course aims to help students acquire the Twi language at the basic or elementary level.

Note: The course is designed primarily for students who have no prior knowledge of Twi; however, students with minimal knowledge of the language may also register for the course. Not open to auditors.

Twi B. Intermediate Twi

Catalog Number: 0025

Charles Owu Ewie and assistant

Full course (indivisible). Spring: Tu., 3–5; Th., at 3. EXAM GROUP: Spring: 17, 18

Continuation of Twi A. Twi is one of the regional languages of the Akan speaking peoples of Ghana constituting the largest ethnic group in Ghana. Twi, is fast becoming the *lingua franca* of the country. The Akan people are well known for their art and culture, especially the traditional colorful Kente cloth.

Note: Not open to auditors.

Prerequisite: Twi A or the equivalent of one year's study of Twi.

Twi 101ar. Reading in Twi

Catalog Number: 0026

Charles Owu Ewie and assistant

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

Note: Not open to auditors.

Prerequisite: Twi B or equivalent.

Twi 101br. Reading in Twi II

Catalog Number: 0028

Charles Owu Ewie

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

Note: Not open to auditors.

Prerequisite: Twi 101ar or equivalent.

Yoruba

Yoruba A. Elementary Yoruba

Catalog Number: 0029

John M. Mugane

Full course (indivisible). Hours to be arranged.

Yoruba is spoken in the West African countries of Nigeria, Benin Republic, and parts of Togo and Sierra Leone, therefore constituting one of the largest single languages in sub-Saharan Africa. Yoruba is also spoken in Cuba and Brazil. Students will acquire the Yoruba language at the basic or elementary level.

Note: Primarily designed for students who have no prior knowledge of Yoruba. However, students with minimal knowledge of the language may also register for the course. Not open to auditors.

Yoruba B. Intermediate Yoruba

Catalog Number: 0031



John M. Mugane

Full course (indivisible). Hours to be arranged. EXAM GROUP: 18

Continuation of Yoruba A. Yoruba is spoken in the West African countries of Nigeria, Benin Republic, and parts of Togo and Sierra Leone, therefore constituting one of the largest single languages in sub-Saharan Africa. Yoruba is also spoken in Cuba and Brazil. Students will acquire the Yoruba language at the basic or elementary level.

Note: Not open to auditors.

Prerequisite: Yoruba A or the equivalent of one year's study of Yoruba.

Yoruba 101ar. Reading in Yoruba

Catalog Number: 0033

John M. Mugane and assistant

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

Note: Not open to auditors.

Prerequisite: Yoruba B or equivalent.

Yoruba 101br. Reading in Yoruba II

Catalog Number: 0035

John M. Mugane and assistant

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 18; Spring: 9

Note: Not open to auditors.

Prerequisite: Yoruba 101a or equivalent.

Undergraduate Tutorials

***African and African American Studies 91r. Supervised Reading and Research**

Catalog Number: 1269

Tommie Shelby and members of the Department

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

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

African and African American Studies 97. Sophomore Tutorial: Race and Humanism

Catalog Number: 3022

Duana Fullwiley

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

This course examines the social function of racial logics in humanist discourse. Drawing on historical, anthropological, and Bio-medical examples, students explore how particularism and universalism work together to establish both racial distinction and notions of "the human" more generally.

***African and African American Studies 98. Junior Tutorial - African American Studies**

Catalog Number: 6272

Tommie Shelby and members of the tutorial staff



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

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

Prerequisite: Completion of African and African American Studies 10, or a substitute course approved by the Director of Undergraduate Studies.

***African and African American Studies 98a. Junior Tutorial - African Studies**

Catalog Number: 3070

Tommie Shelby and members of the tutorial staff

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

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

Prerequisite: Completion of African and African American Studies 11 or a substitute course approved by the Director of Undergraduate Studies.

***African and African American Studies 99. Senior Thesis Workshop**

Catalog Number: 8654

Tommie Shelby and members of the Department

Full course. Hours to be arranged.

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

Note: Enrollment limited to honors candidates.

For Undergraduates and Graduates

African and African American Studies 112. Black Humor: Performance, Art, and Literature

Catalog Number: 1962

Glenda R. Carpio

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

This course explores the cultural richness of African American humor through analyses of stand-up, drama, the visual arts and literature from the 19th century onward. Artists include but are not limited to Richard Pryor (and many other important figures in black comedy), the painter Robert Colescott, the artists Kara Walker, writer William Wells Brown, Charles W. Chesnutt, George Schuyler, and Ishmael Reed.

[African and African American Studies 113. Fictions of Race, Facts of Racism: Perspectives from South African and African American Drama and Fiction]

Catalog Number: 1503

Biodun Jeyifo

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

The course will explore works of South African and African American drama and fiction while considering the claim that "race" is a socially constructed fiction. The works to be explored in the course juxtapose the fiction of race with the facts of racism to pose the fundamental question: Can we imagine a world where racism, like "race" will also become fiction? Authors include



Baraka, Morrison, Naylor, August Wilson, Gordimer, Nkosi, Fugard, and Coetzee.

Note: Expected to be given in 2010–11.

African and African American Studies 116. Autobiography and Literary Imagination

Catalog Number: 8935

Jamaica Kincaid

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

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

[African and African American Studies 117. The Harlem Renaissance]

Catalog Number: 1442

Glenda R. Carpio

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

The class examines the flowering of African American literature and art led primarily by African Americans based in Harlem after World War I. Most of the participants in this African American literary movement were descendants from a generation whose parents or grandparents had witnessed the injustices of slavery and the gains and losses that would come with Reconstruction after the Civil War. The class examines how African American authors documented this crucial moment in African American history. Writers include but are not limited to Claude McKay, Countee Cullen, Langston Hughes, Zora Neale Hurston, Rudolph Fisher, James Weldon Johnson, Jean Toomer and George Schuyler.

Note: Expected to be given in 2009–10.

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

Catalog Number: 7429

Susan E. O'Donovan

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

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

[African and African American Studies 119. Chinua Achebe and the African World]

Catalog Number: 0192

Francis Abiola Irele

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

This course will be devoted to a comprehensive examination of Achebe's oeuvre, with a view to his vision of Africa, as this emerges from his novels and essays.

Note: Expected to be given in 2009–10.

African and African American Studies 121. Please, Wake Up! - Race, Gender, Class and Ethnicity in the Early Films of Spike Lee

Catalog Number: 6238



Biodun Jeyifo

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

This course will explore how the intersection of race, gender, class and ethnicity in the early cinema of Spike Lee works to give his social vision and artistic temper the qualities now commonly associated with his cinematic style. Race seems to be the central pivot of social identity in Lee's films, but in this course we will explore his remarkable attentiveness to other indices of identity and subjectivity. We will pay special attention to the tension between Lee's passionate oppositional politics and his intensely personal, experimental and playful approach to film and its expressive idioms, techniques and styles. Films to be studied include "She's Gotta Have It," "School Daze," "Do the Right Thing," "Mo Better Blues" and "Jungle Fever".

[African and African American Studies 123. Aspects of African Thought]

Catalog Number: 4352

Francis Abiola Irele

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

A review of intellectual movements in Africa and the Black Diaspora since the 18th century.

Note: Expected to be given in 2009–10.

[African and African American Studies 124. The Poetics of Tradition: African Literature and the Dilemma of Modernity]

Catalog Number: 7057

Francis Abiola Irele

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

Description forthcoming.

Note: Expected to be given in 2009–10.

African and African American Studies 128. Black Nationalism

Catalog Number: 3426

Tommie Shelby

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

Critically examines the family of African American social philosophies generally classified under the broad rubric "black nationalism." Topics to be explored include the meaning of black collective self-determination; the relationship between black identity and black solidarity; and the significance of Africa for black nationalist ideals. Authors to be discussed include Martin Delany, Alexander Crummell, Edward Blyden, W.E.B. Du Bois, Marcus Garvey, Elijah Muhammad, Malcolm X, Stokely Carmichael, Huey Newton, and some contemporary representatives of the tradition.

[African and African American Studies 129. African American Philosophy] - (New Course)

Catalog Number: 8227

Tommie Shelby

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

An examination of several vexing questions that arise when one reflects philosophically on the black experience in America. Topics include the perplexities of black identity, the moral and political significance of communal solidarity, racial justice and reparations, aesthetic judgment and cultural authenticity, the ethics of interracial intimacy, and the very idea of a distinctive



African American philosophical tradition.

Note: Expected to be given in 2010–11.

African and African American Studies 130. W. E. B. Du Bois: Social and Political Writings

Catalog Number: 3561

Tommie Shelby

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

An introduction to the writings of Du Bois, with a focus on his social theory and political philosophy. In addition to various journal articles and editorials from *The Crisis*, texts to be examined include *The Philadelphia Negro*, *The Souls of Black Folk*, *Darkwater*, *Black Reconstruction in America*, and *Dusk of Dawn*.

African and African American Studies 131. African-American Literature to the 1920s

Catalog Number: 2589

Glenda R. Carpio

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

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

African and African American Studies 132. Slavery in the Atlantic World - (New Course)

Catalog Number: 9809

Susan E. O'Donovan

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

This course explores the rise and spread of slavery in the Atlantic World. Topics of consideration include the impact of New World slavery on Africa, the patterns and consequences of the transatlantic and internal slave trades, the experiences of women within systems of slavery, the role of labor in New World slavery, and the theoretical debates about diaspora, culture, and agency. Each week's discussion will develop out of a shared set of readings. Students take turns leading those discussions. Students submit weekly response papers, and produce a 15-20 page historiographic essay in which they pursue in greater detail one of the debates that has animated scholarship on Atlantic slavery.

[African and African American Studies 134z. Black and White in Drama, Film and Performance] - (New Course)

Catalog Number: 2026

Werner Sollors

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Focus is on the development of “serious” dramas and problem films in their relationship to the traditions of tragedy and melodrama. Readings from Aeschylus to Adrienne Kennedy accompanied by visits of performances and film screenings. Fresh research in Harvard Theatre



Collection encouraged.

Note: Expected to be given in 2009–10.

[African and African American Studies 135. Universalism and Its Western and Non-Western Opponents]

Catalog Number: 0680

Biodun Jeyifo

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

This course entails a comprehensive review of the continuing power of the idea of universalism, seen against the background of its many influential Western and Non-Western opponents, in philosophy, literary and art criticism and legal documents of citizenship and international rights.

Note: Expected to be given in 2009–10.

[African and African American Studies 137. Literature and Its Cultural 'Others' - America, Africa and the Caribbean, 1950s-80s]

Catalog Number: 3258

Biodun Jeyifo

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

In the historic contexts of the civil rights struggles in the United States and the decolonizing liberation struggles in Africa and the Caribbean, this course explores how utopian or emancipatory aspirations in diverse media like literature, popular music, oratory, non-scripted street or community theatre, and popular visual media like poster art, murals and graffiti impact people of different social classes and backgrounds.

Note: Expected to be given in 2009–10.

[African and African American Studies 138. Black and White in Drama, Film, and Performance]

Catalog Number: 3795

Werner Sollors

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Focus is on the development of "serious" dramas and problem films in their relationship to the traditions of tragedy and melodrama. Readings from Aeschylus to Adrienne Kennedy accompanied by visits of performances and film screenings. Fresh research in Harvard Theatre Collection encouraged.

Note: Expected to be given in 2009–10.

[African and African American Studies 141. Afro-Atlantic Religions - \(New Course\)](#)

Catalog Number: 7436

J. Lorand Matory

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

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



series of in-class discussions with priests will propose its own themes.

Note: Offered jointly with the Divinity School as 3692.

African and African American Studies 143. Representing Blackness: Media, Technology and Power - (New Course)

Catalog Number: 0444

Marcyliena Morgan

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

This course explores the concept of race and ethnicity through the analysis of media systems and institutions, communication frames and symbolic representations and social constructions.

African and African American Studies 144. Urban Speech Communities - (New Course)

Catalog Number: 8559

Marcyliena Morgan

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

This course introduces students to basic concepts of speech communities and qualitative methods in the social sciences including ethnographic fieldwork and the analysis of face-to-face communication. It focuses on the details of everyday activities across communities of African descent and other communities and interactive environments. It is meant to provide a bridge between communications, the social sciences, linguistics and socio-cultural anthropology through the introduction of concepts and analytical techniques that privilege observation, participation, video recording and transcription of spontaneous interaction (as opposed to experimental tasks or introspection). Topics include language socialization, education, literacy, music and the visual arts, the power of language, miscommunication, and universal and culture-specific properties of human communication.

African and African American Studies 145. Hip-hop World Order: Appropriation, Localization, and Racial Identification of Global Hip-hop - (New Course)

Catalog Number: 7768

Marcyliena Morgan

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

Hip-hop is a global phenomenon that influences social life far beyond the music and entertainment industries. Yet beyond descriptions and critiques of its mass appeal, few have considered hip-hop's development of standards and evaluations across nations and all artistic areas and culture. This course examines hip-hop culture and the appropriation of hip-hop, how local and national areas represent their culture through hip-hop and issues of racial identification.

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

African and African American Studies 146. Black America in Transition - (New Course)

Catalog Number: 0351

Lawrence D. Bobo

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

This course examines how changes in communities, the economy, and culture are remaking the African American experience. We will examine processes of neighborhood change and segregation as well as the impact of immigration on black communities. Gender dynamics will



be a topic of attention. The course will also closely examine changing class stratification, dynamics and tensions in the black community. All of these will be set in a context of evolving group cultural expression and responses to societal racism.

African and African American Studies 147. Racial Identity, Politics, and Public Policy - (New Course)

Catalog Number: 2929

Lawrence D. Bobo

Half course (spring term). M., 3–5.

This course examines how race and perceived racial difference affect political discourse, mobilization, representation, and political outcomes. We will examine the fate of policies such as affirmative action and welfare reform and the prospects for multiracial coalition politics. We will also consider the role of elected representatives, the media, and the traditional racial divide in affecting political outcomes of importance to African Americans and to other communities of color.

African and African American Studies 148. Travel Narratives - (New Course)

Catalog Number: 5857

Jamaica Kincaid

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

An introduction to accounts of conquests through action (traveling) and literature (writing). We will read Bernal Diaz (regarding the conquest of Mexico), William Wells Brown (traveling to Europe as a free man), Edmund Hillary (climbing Mount Everest), Mrs. Mary Seacole (a free black woman from Jamaica who voluntarily served as a nurse in the Crimea during the Crimean war) among others.

African and African American Studies 149. Race, Religion, and Law - (New Course)

Catalog Number: 9890

Noah R. Feldman and John L. Jackson

Half course (spring term). W., 3:15–6:15. EXAM GROUP: 8, 9

It would be hard to imagine three social categories more deeply intertwined - and more explosive in combination - than race, religion, and law. Drawing on perspectives from anthropology, African American studies, cultural studies, history, and law (to name a few), this course will explore case studies in the interaction of these three forces. Examples will range from the regulation of slave religion to prison religion and the Religious Freedom Restoration Act; from Martin Luther King, Jr.'s political theology to the trial of Muhammad Ali; and from the popular uses of American Indian religion to racial/religious profiling in post 9-11 American life.

Note: Offered jointly with the Law School as LAW-45503A.

African and African American Studies 150. Archaeology of the African Diaspora - (New Course)

Catalog Number: 0115

Christopher N. Matthews

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

This course examines archaeological and historical studies of people of African descent in the Americas from the beginnings of the transatlantic slave trade to the early twentieth century. The



major objective of this course is to understand the diverse material worlds of African Diasporic communities within the greater historiographies of the Atlantic world. The course reviews archaeological methods, material patterns of African and African American cultural practices, and the public meanings of minority archaeologies. We begin this course looking at early modern Africa and its links to the outside world in order to understand the diverse circumstances that led to African diasporas by way of the Saharan overland trade, the Indian Ocean, and the Transatlantic slave trade. The vast majority of the course looks at slavery, freedom, and cultural life of African Americans, Afro-Caribbeans, and Afro-Latin Americans focusing on archaeological studies of Brazil, the Caribbean, and the United States.

African and African American Studies 151. Archaeologies of Color, the Materiality of Race - (New Course)

Catalog Number: 0447

Christopher N. Matthews

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

According to archaeologists, cultural life may be interpreted from material objects and the qualities and characteristics that objects elicit now and in the past. Among the most recognizable and important qualities of any object is color. Examining the color of things, however, leads to questions about how colors themselves take on meaning. Considering the materiality of race, especially in terms of the social meanings of bodies with color, this course examines the historical constructions of racial identities as elemental processes to the emergence of modernity. Examples will be drawn from studies of race making in colonial and postcolonial United States, Latin America, Southern and Eastern Africa, and Australia. The goal of the course is to develop a reflexive understanding of the cultural construction of color and color lines to explore not only why race matters but what is the matter of (and with) race.

[African and African American Studies 153. Hip-hop America: Power, Politics and the Word] - (New Course)

Catalog Number: 4272

Marcyliena Morgan

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

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

Note: Expected to be given in 2010–11.

[African and African American Studies 154. Language and Discourse: Race, Class and Gender] - (New Course)

Catalog Number: 2690

Marcyliena Morgan

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

The purpose of this course is to study, analyze and critique theories concerning the discursive construction of identity(s) and forms of representations of cultures. It will explore the



relationship between power and powerful speech through reviews and critiques of theories of language, culture and identity as they relate to ethnicity, race, and social class. Focus will be on language ideology and analysis of discourse styles used in the construction of regional, national and global communities.

Note: Expected to be given in 2010–11.

[African and African American Studies 169. Visualizing Africa]

Catalog Number: 6518

Suzanne P. Blier

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

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

Note: Expected to be given in 2010–11.

African and African American Studies 174. The African City

Catalog Number: 6977

Suzanne P. Blier

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

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

African and African American Studies 182. R & B, Soul, and Funk - (New Course)

Catalog Number: 7973

Ingrid Monson

Half course (spring term). Th., 1–3.

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

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

African and African American Studies 185. Perspectives on the African Novel

Catalog Number: 6764

Francis Abiola Irele

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

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

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



African and African American Studies 187. African Religions

Catalog Number: 0094

Jacob Olupona

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

This course is a basic introduction to the history and phenomenology of traditional religions of the African peoples. Using diverse methodological and theoretical approaches, the course will explore various forms of experiences and practices that provide a deep understanding and appreciation of the sacred meaning of African existence: myth, ritual arts, and symbols selected from West, East, Central, and Southern Africa.

Note: Offered jointly with the Divinity School as 3690.

[African and African American Studies 188. Islam in Sub-Saharan Africa]

Catalog Number: 3590

Jacob Olupona

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

This course is a comparative and historical survey of Islam in Sub-Saharan Africa. It will explore facets of Islam in African history, culture, and society, paying particular attention to Islamic institutions and organizations and the imprints of Islam on verbal and visual arts, religion and cultural identity. We will also focus on topics such as Islam and politics, Muslim-Christian relations, social change, women and gender, and the process of modernization. It will consider the emergence and growth of Islam in the age of identity politics, global Islamism, and religious revivalism.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3698.

[African and African American Studies 189. Race and Consumer Culture]

Catalog Number: 0397

Kimberly McClain DaCosta

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

This course looks at African American lives in a culture of consumption.

Note: Expected to be given in 2009–10.

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

Catalog Number: 9440

Kimberly McClain DaCosta

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

“The Black Family” has often been at the center of political debates about social policy, including welfare reform and crime. Such debates tend to obscure the particular historical, social, and economic circumstances that shape African American family life and posit a unidimensional black family experience. We explore the diversity of black family life—by class, region, family composition, and gender—and link social structure to how families form, function, and change.

[African and African American Studies 192x. Religion and Society in Nigeria]

Catalog Number: 8241

Jacob Olupona

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



The seminar examines the historical development of religion in Nigeria and explores its intersection with ethnic identity, culture, and society in pre-colonial, colonial, and contemporary periods. The course provides an understanding of various cultural tradition, historical events and social forces that have shaped Nigeria's religious express. Many topical issues will be explored such as indigenous religious culture, Christian and Muslim identities, civil religion, and civil society and democratization, as well as religion and politics in present-day Nigeria.

Note: Expected to be given in 2009–10.

[African and African American Studies 193. Religion and Social Change in Black America]

Catalog Number: 8058

Marla F. Frederick

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

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

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School.

[African and African American Studies 193x. Rags to Riches: Religion and the Quest for the (African) American Dream]

Catalog Number: 2040

Marla F. Frederick

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

This course examines the place of wealth and poverty in the African American religious imagination. From Marx and Weber's discussions of religion and capitalism, to Benjamin E. Mays and E. Franklin Frazier's articulations of the otherworldly impulse of Black Protestantism, to contemporary anthropological discussions of prosperity gospels-this course explores the complex relationship between Christianity and American capitalism among African Americans. Topics include individualism, Protestantism, race, neoliberalism, class and citizenship.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3699.

African and African American Studies 197. Poverty, Race, and Health

Catalog Number: 5172

David Williams

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

This course critically examines the health status of the poor, and of African Americans and other socially disadvantaged racial and ethnic groups in the US. Attention will be focused on the patterned ways in which the health of these groups is embedded in the social, cultural, political, and economic contexts and arrangements of US society. Topics covered include the meaning and measurement of race, the ways in which racism affects health, the historic uses of minorities in medical research, how acculturation and migration affects health, and an examination of the specific health problems that disproportionately affect nondominant racial groups.



[African and African American Studies 198 (AAAS 97b). Changing Concepts of Blackness]

Catalog Number: 4350

Kimberly McClain DaCosta

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

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

Note: Expected to be given in 2009–10.

African and African American Studies 199. Delimiting Health Disparities in the African Diaspora: A Laboratory for Social Engagement - (New Course)

Catalog Number: 9887 Enrollment: Limited to 18.

Duana Fullwiley

Half course (fall term). Tu., 1–3, Th., at 2. EXAM GROUP: 15, 16

This course maps health problems that differentially affect people of African descent. Students are introduced to theoretical approaches in the history of medicine, medical anthropology, and public health. The second half of the course will be spent conducting fieldwork in Boston-area African communities.

Note: Students planning to take this class must attend the first lecture to apply.

Primarily for Graduates

African and African American Studies 211. Social Structure and Culture in the Study of Race

Catalog Number: 7733

William Julius Wilson

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

The purpose of this course is to critically examine current writings and debates on how social structure and culture affect the social outcomes of the African Americans and immigrants in the US. The relevance of these works for public and social policy will also be discussed.

Note: Offered jointly with the Kennedy School of Government as HLE-207. Open to advanced undergraduates with permission of the instructor.

[African and African American Studies 218. Topics in African American History]

Catalog Number: 9951

Evelyn Brooks Higginbotham

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

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

Note: Expected to be given in 2009–10.



African and African American Studies 231. Topics in African American Literature and Arts: African American Music - (New Course)

Catalog Number: 4210

Ingrid Monson

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

Examines key historical and interpretive questions in the study of African American music. Included are genres of religious and secular music, including spirituals, blues, jazz, gospel, classical music, R & B, hip hop, and other popular genres. Interpretive issues include African continuities, music and race, music and politics/economics, music and gender, and music and spirituality.

African and African American Studies 241. Topics in African American Social Science

Catalog Number: 3668

James Sidanius

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

This course provides an in-depth and comprehensive exposure to the theoretical and methodological issues within the social psychology of racism and prejudice research. Approaches will include sociology, political science, and anthropology.

Graduate Courses

***African and African American Studies 301. Graduate Seminar: Slavery, Colonialism, and Race in African and African American Studies**

Catalog Number: 3120

Biodun Jeyifo and members of the Department

Half course (fall term). Tu., 12–2.

Students are introduced to major themes, debates, and texts in the broad interdisciplinary field of African and African American Studies. We focus on humanities and literary and cultural studies.

Note: Required for all graduates in African and African American Studies in their first year. Ordinarily only graduate students affiliated with the program are permitted to attend.

***African and African American Studies 302. Graduate Seminar**

Catalog Number: 7559

James Sidanius and members of the Department

Half course (spring term). Tu., 12–2.

Students are introduced to major themes, debates and texts in the broad interdisciplinary field of African and African American Studies. African and African American Studies 302, in the spring term, focuses on the social sciences.

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

***African and African American Studies 310. Individual Reading Tutorial**

Catalog Number: 1374

Emmanuel K. Akyeampong 3421, Ali S. Asani 7739, Robert H. Bates 1251 (on leave 2008-09), Homi K. Bhabha 4100 (on leave fall term), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Vincent Brown 4638 (on leave 2008-09), Glenda R. Carpio 4408, Kimberly McClain DaCosta



4182, Marla F. Frederick 4728 (on leave 2008-09), Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899, Claudine Gay 5485 (on leave fall term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave spring term), Francis Abiola Irele 4354, Biodun Jeyifo 1001, Walter Johnson 5616, Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608 (on leave spring term), Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483, James Sidanius 5371, Werner Sollors 7424 (on leave fall term), Doris Sommer 2744, John Stauffer 1006, Mark R. Warren (Education School) 2010, David Williams 5778, and William Julius Wilson 2401

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

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

***African and African American Studies 390. Individual Research**

Catalog Number: 4046

Emmanuel K. Akyeampong 3421, Ali S. Asani 7739, Robert H. Bates 1251 (on leave 2008-09), Homi K. Bhabha 4100 (on leave fall term), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Vincent Brown 4638 (on leave 2008-09), Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave 2008-09), Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899, Claudine Gay 5485 (on leave fall term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave spring term), Francis Abiola Irele 4354, Biodun Jeyifo 1001, Walter Johnson 5616, Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608 (on leave spring term), Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483, Werner Sollors 7424 (on leave fall term), Doris Sommer 2744, John Stauffer 1006, Mark R. Warren (Education School) 2010, David Williams 5778, and William Julius Wilson 2401

Requires students to identify and carry out a research project under the guidance of a member of the faculty. Graduate students may use this course to begin work on the research paper required for admission to candidacy.

***African and African American Studies 391. Directed Writing**

Catalog Number: 4587

Emmanuel K. Akyeampong 3421, Ali S. Asani 7739, Robert H. Bates 1251 (on leave 2008-09), Homi K. Bhabha 4100 (on leave fall term), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Vincent Brown 4638 (on leave 2008-09), Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave 2008-09), Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899, Claudine Gay 5485 (on leave fall term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave spring term), Francis Abiola Irele 4354, Biodun Jeyifo 1001, Walter Johnson 5616, Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608 (on leave spring term), Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483, James Sidanius 5371, Werner Sollors 7424 (on leave fall term), Doris Sommer 2744, John Stauffer 1006, Mark R. Warren (Education School) 2010, David Williams 5778, and William Julius

*Wilson 2401*

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

***African and African American Studies 398. Reading and Research**

Catalog Number: 0427

Emmanuel K. Akyeampong 3421, Ali S. Asani 7739, Robert H. Bates 1251 (on leave 2008-09), Homi K. Bhabha 4100 (on leave fall term), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Vincent Brown 4638 (on leave 2008-09), Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave 2008-09), Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899, Claudine Gay 5485 (on leave fall term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave spring term), Francis Abiola Irele 4354, Biodun Jeyifo 1001, Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608 (on leave spring term), Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483, James Sidanius 5371, Werner Sollors 7424 (on leave fall term), Doris Sommer 2744, John Stauffer 1006, Mark R. Warren (Education School) 2010, David Williams 5778, and William Julius Wilson 2401

Note: Permission of the instructor and the Director of Graduate Studies is required for enrollment.

***African and African American Studies 399. Direction of Doctoral Dissertations**

Catalog Number: 8411

Emmanuel K. Akyeampong 3421, Robert H. Bates 1251 (on leave 2008-09), Homi K. Bhabha 4100 (on leave fall term), Suzanne P. Blier 3472, Lawrence D. Bobo 2919, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave 2008-09), Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899, Claudine Gay 5485 (on leave fall term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave spring term), Francis Abiola Irele 4354, Biodun Jeyifo 1001, Walter Johnson 5616, Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, Marcyliena Morgan 2212, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608 (on leave spring term), Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483, James Sidanius 5371, Werner Sollors 7424 (on leave fall term), Doris Sommer 2744, David Williams 5778, and William Julius Wilson 2401

Cross-listed Courses of Interest to Students Pursuing the African Track**[Anthropology 2736. Medical Anthropology of Contemporary Africa - \(New Course\)](#)**

***BPH 322. Study of Epidemiologic and Biological Characteristics of HIV Viruses in Africa [Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures] - (New Course)**

[*English 295. Marxism and Postcolonial Studies: Graduate Seminar](#)

[*Folklore and Mythology 90d. African Women Storytellers]

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



[Foreign Cultures 86. West African Cultures]

[Foreign Cultures 88. The African Experience: Between Tradition and Modernity](#)

[French 193. Aimé Césaire and His Others - \(New Course\)](#)

[*Freshman Seminar 25t. AIDS in Africa](#)

[*Freshman Seminar 30e. Rewriting America: Race, Feminism, and Classic Narratives - \(New Course\)](#)

[*Freshman Seminar 32w. African Musical Traditions](#)

[*Government 98cn (formerly *Government 90cn). Democracy and Authoritarianism in Africa] - (New Course)

[Government 1100. Political Economy of Development]

[Government 1197. The Political Economy of Africa]

[Government 2227. The Politics and Economics of Africa](#)

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

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

[*History 77a \(formerly *History 1902\). Alcohol in Sub-Saharan Africa, 1850 to the Present](#)

[*History 87a \(formerly *History 1912\). Health, Disease, and Ecology in African History](#)

[History 1700 \(formerly History 1904\). The History of Sub-Saharan Africa to 1860](#)

[History 1701 \(formerly History 1907\). West Africa from 1800 to the Present](#)

[History 2708 (formerly History 2908). Sources, Methodology, and Themes in African History: Seminar]

[History 2709 (formerly History 2909). Themes in Modern Sub-Saharan African History: Proseminar]

[History of Art and Architecture 194e. World Fairs: Art and Exposition - \(New Course\)](#)

[*History of Art and Architecture 196. Contemporary Art in Africa]

[*History of Art and Architecture 199g. Global Art: Comparative Approaches in Art History & Ethnography]

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

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

[Music 209r. Ethnomusicology: Seminar](#)

[Social Analysis 52. The Political Economy of Development]

Cross-listed Courses of Interest to Students Pursuing the African American Track

[Aesthetic and Interpretive Understanding 13 \(formerly Spanish 180\). Cultural Agents](#)

[Economics 1816. Race in America]

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

[*English 292. Methods of Approaching American Literature; Hemingway and Beyond: Graduate Seminar](#)

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

[Foreign Cultures 86. West African Cultures]

[Foreign Cultures 88. The African Experience: Between Tradition and Modernity](#)

[*Government 98ef (formerly *Government 90ef). Black Politics in the Post Civil Rights Era]

[Historical Study B-39. American Revolutions in the Atlantic World]



[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]
 [*History 74a (formerly *History 1612). African Diaspora in the Americas]
 [*History 74b (formerly *History 1622). Readings in the History of Slavery]
 [*History 84a (formerly *History 1605). Early American Slave Revolts]
[*History 84e. Reconstructing America - \(New Course\)](#)
 [*History 84g (formerly *History 1656). Harvard and Slavery]
 [*History 84h (formerly *History 1667). The Northern Side of the Civil Rights Movement]
[*History 87a \(formerly *History 1912\). Health, Disease, and Ecology in African History](#)
 [History 2345 (formerly History 2664). Race and African-American Intellectual History: Seminar]
 [History 2412 (formerly History 2665). Topics in the History of Atlantic Slavery: Seminar]
 [History 2443 (formerly History 2632). Slavery, Capitalism, and Imperialism in the 19th century United States: Seminar]
[*History 2460hf. Race Making and Law Making in the Long Civil Rights Movement: Seminar - \(New Course\)](#)
 [History 2463 (formerly History 2661). Graduate Readings in 20th-Century African-American History: Seminar]
[Literature and Arts A-86. American Protest Literature from Tom Paine to Tupac](#)
[Literature and Arts A-88. Interracial Literature](#)
[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue](#)
[Philosophy 179. Race and Social Justice - \(New Course\)](#)
 [Social Analysis 52. The Political Economy of Development]
[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)
 [*Sociology 249. "Race," Culture, and Social Structure: Seminar]
 *Sociology 300hf (formerly *Sociology 300). Workshop on Race: Black Youth Culture
[Spanish 186. Tobacco and Sugar - \(New Course\)](#)
[Studies of Women, Gender, and Sexuality 1241. Race-Gendered Adolescence - \(New Course\)](#)
[Studies of Women, Gender, and Sexuality 1256. Black Motherhood across the Diaspora - \(New Course\)](#)

African Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on African Studies



Jacob Olupona, Professor of African and African American Studies and Professor of African Religious Traditions (*FAS*), Professor of African Religious Traditions (*Divinity School*) (*Chair*) (*on leave spring term*)

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House (*Acting chair*)

Rawi Abdelal, Associate Professor of Business Administration (*Business School*)

Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)

Emmanuel K. Akyeampong, Harvard College Professor and Professor of History and of African and African American Studies

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

Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies (*on leave 2008-09*)

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

David Bloom, Clarence James Gamble Professor of Economics and Demography (*Public Health*)

Rita M. Breen, Executive Officer for the Committee on African Studies

Catherine Siobhan Meihua Duggan, Assistant Professor of Business Administration (*Business School*)

Felton J. Earls, Professor of Social Medicine (*Medical School*) and Professor of Human Behavior and Development (*Public Health*)

Caroline M. Elkins, Hugh K. Foster Associate Professor of African Studies

Majid Ezzati, Associate Professor of International Health (*Public Health*)

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

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Duana Fullwiley, Assistant Professor of Anthropology and of African and African American Studies

Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor

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

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

Nahomi Ichino, Assistant Professor of Government

Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures

Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature

Matthew Jukes, Assistant Professor (*Education School*)

Calestous Juma, Professor of the Practice of International Development (*Kennedy School*)

Michael R. Kremer, Gates Professor of Developing Societies

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

Jens Meierhenrich, Assistant Professor of Government and of Social Studies

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

John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program

Matthias Schündeln, Assistant Professor of Economics and of Social Studies



Lucie E. White, Louis A. Horvitz Professor of Law (*Law School*)
Richard K. Wolf, Professor of Music (*on leave fall term*)

The Committee on African Studies is a multidisciplinary group of scholars appointed by the Dean of the Faculty of Arts and Sciences to coordinate teaching and research on Africa within Harvard's departments and faculties. It is primarily concerned with the planned development of African studies in the University as a whole. Since it is also the Committee's goal to advance knowledge and understanding of African peoples throughout the University, it sponsors lectures, seminars, conferences, films, and exhibitions on Africa. Its non-credit Africa Seminar is open to all faculty members and students. The Committee offers summer grants for travel to Africa. Students can subscribe to a weekly e-mail listing of Harvard Africa events by writing to rbreen@fas.harvard.edu. For additional information on African studies at Harvard, consult the Committee's website at www.fas.harvard.edu/~cafrica or email cafrica@fas.harvard.edu.

Students interested in pursuing a degree in African Studies should consult the African and African American Studies chapter in this catalog. That department also offers a number of courses on African topics and has an African language program, which teaches over ten languages.

The following FAS departments offer courses on Africa. A more detailed description of these courses may be found in this catalog under the appropriate department or committee.

Departments with Courses of Interest:

Core Curriculum

Freshman Seminars

African and African American Studies

Anthropology

Economics

English and American Literature and Language

Folklore and Mythology

Government

History

History of Art and Architecture

Music



Near Eastern Languages and Civilizations

Romance Languages and Literatures

Study of Religion

Social Studies

Visual and Environmental Studies

In addition to the departmental offerings in the Faculty of Arts and Sciences, courses on Africa can also be found in the catalogs of the Schools of Public Health, Education, Law, Divinity, Business, and the Kennedy School of Government.

Anthropology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Anthropology

Theodore C. Bestor, Professor of Anthropology (*Chair*)

Asad A. Ahmed, Assistant Professor of Anthropology

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

John C. Barry, Lecturer on Anthropology

David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*) (*on leave 2008-09*)

Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology (*on leave spring term*)

Steven C. Caton, Professor of Contemporary Arab Studies

Judith F. Chapman, Lecturer on Anthropology

Nancy Lou Conklin-Brittain, Lecturer on Anthropology

Iain Davidson, Visiting Professor of Australian Studies

Peter T. Ellison, John Cowles Professor of Anthropology

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

Rowan K. Flad, Associate Professor of Anthropology

Duana Fullwiley, Assistant Professor of Anthropology and of African and African American Studies



Thomas Gardner Garrison, Lecturer on Anthropology
 Ian Christopher Gilby, Lecturer on Anthropology
 Russell Dean Greaves, Lecturer on Anthropology
 Michael Herzfeld, Professor of Anthropology
 Carole K. Hooven, Lecturer on Anthropology
 Zahra Nasiruddin Jamal, Lecturer on Anthropology
 Yuson Jung, Lecturer on Anthropology
 Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*)
 Karen L. Kramer, Associate Professor of Anthropology
 Smita Lahiri, Associate Professor of Anthropology
 C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
 Catalina Laserna, Lecturer on Anthropology
 Daniel E. Lieberman, Professor of Anthropology
 Susan F. Lipson, Lecturer on Anthropology
 J. Lorand Matory, Professor of Anthropology and of African and African American Studies
 Richard H. Meadow, Senior Lecturer on Anthropology
 Katrina Moore, Lecturer on Anthropology
 Nicole D. Newendorp, Lecturer on Social Studies
 Charles Lindsay Nunn, Associate Professor of Anthropology
 David R. Odo, Lecturer on Anthropology
 David Pilbeam, Henry Ford II Professor of Human Evolution (*on leave 2008-09*)
 Jeffrey Quilter, Senior Lecturer on Anthropology
 Maryellen Ruvolo, Professor of Anthropology (*on leave fall term*)
 Tanya M. Smith, Assistant Professor of Anthropology
 Mary M. Steedly, Professor of Anthropology (*on leave 2008-09*)
 Ajantha Subramanian, Associate Professor of Anthropology and of Social Studies (*on leave 2008-09*)
 Kimberly Theidon, Associate Professor of Anthropology (*on leave fall term*)
 Noreen Tuross, Landon T. Clay Professor of Scientific Archaeology
 Jason A. Ur, Assistant Professor of Anthropology
 Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies (*on leave spring term*)
 James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave fall term*)
 Katherine K. Whitcome, Lecturer on Anthropology
 Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology
 Marc U. Zender, Lecturer on Anthropology

Other Faculty Offering Instruction in Anthropology

Paul Farmer, The Maude and Lillian Presley Professor of Social Medicine (*Medical School*)
 Byron J. Good, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
 Jim Yong Kim, Professor of Social Medicine and Professor of Medicine (*Medical School*)

*(Medical School)*

Elise M. Prebin, Lecturer on Anthropology

Diane L. Rosenfeld (*Harvard Law School*)

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Within the field of concentration there are three special fields: Archaeology, Biological Anthropology, and Social Anthropology. For the requirements in these special fields, consult the Undergraduate Office of the department. The Biological Anthropology faculty also offer a concentration in Human Evolutionary Biology that provides a general foundation in human and organismic biology as part of the Life Sciences cluster of concentrations. For requirements in the Human Evolutionary Biology concentration, see the Life Sciences website, www.lifescience.fas.harvard.edu, and also the Biological Anthropology website, www.anthropology.fas.harvard.edu.

Department of Anthropology course listings are numerically ordered as follows:

1000-1299 and 2000-2299: Archaeology

HEB 1300-1599: Biological Anthropology (see Human Evolutionary Biology chapter)

2300-2599: Biological Anthropology

1600-1999 and 2600-2999: Social Anthropology

Archaeology***Primarily for Undergraduates******Anthropology 91xr (formerly Anthropology 91r). Supervised Reading and Research**

Catalog Number: 5660

Richard H. Meadow

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

Special study of selected topics in Anthropology, given on an individual basis and directly supervised by a member of the Department. May be taken for a letter grade or Pass/Fail. To enroll, a student *must submit a petition form* (available from the Anthropology Undergraduate Office, William James 352, or downloadable from the department's website), signed by the adviser under whom he or she wishes to study, and a proposed plan of study.

***Anthropology 92xr (formerly Anthropology 92r). Research Methods in Museum Collections**

Catalog Number: 9029

Richard H. Meadow

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

Special (individual) study of Peabody Museum collections directly supervised by a faculty member and a member of the curatorial staff. Requires a project involving a museum collection and developed in consultation with the supervisors.



Note: Must be taken for a letter grade. Priority given to students in Anthropology and related departments. To enroll, submit a petition form (available on the Anthropology [Archaeology] website), signed by both supervisors and the Head Tutor for Archaeology and including a proposed research agenda, during the term preceding the term of enrollment. See the Head Tutor for Archaeology or members of the Peabody Museum curatorial staff for more information.

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

Catalog Number: 0400

Thomas Gardner Garrison

Half course (spring term). M., 2–4.

This course will focus on archaeological thinking, the cognitive skeleton of the discipline of archaeology, the principles and the logic that are the foundation of all archaeological conclusions and research. Central to this is an understanding of research design, archaeological theory and interpretation, culture and material culture; as well as an understanding of how to examine and construct an archaeological argument.

Note: Required of all concentrators in Archaeology.

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

Catalog Number: 2959

Richard H. Meadow

Half course (fall term). M., 1–3.

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

Note: Required of all concentrators in Archaeology.

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

Catalog Number: 3568

Richard H. Meadow

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

This individual tutorial for archaeology students intending to write a senior thesis is normally undertaken with a member of the faculty during the second term of junior year. To enroll, a student *must submit a petition form* (available from the Anthropology Undergraduate Office, William James 352, or downloadable from the department’s website) with a proposed course plan of study and the tutorial adviser’s signature.

Note: Required of candidates for honors in Archaeology.

***Anthropology 99x (formerly Anthropology 99). Tutorial - Senior Year**

Catalog Number: 6656

Richard H. Meadow

Full course. Hours to be arranged.

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



For Undergraduates and Graduates

Anthropology 1010. Introduction to Archaeology

Catalog Number: 8727

Rowan K. Flad and Jason A. Ur

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

A comprehensive introduction to the practice of archaeology and major themes from our human past: How do archaeologists know where to dig? How do we analyze and understand what we find? What do we know about the origins of the human species, agriculture, cities, and civilization? The course integrates methods and theory, and utilizes Peabody Museum collections, to show how we reconstruct ancient diet, trade, and political systems. We also explore the role of archaeology in colonialism, modern politics, and film.

Note: One 2 hour section per week.

***Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar**

Catalog Number: 5150 Enrollment: Limited to 12.

Richard H. Meadow

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

Focuses on controversies in the interpretation of archaeological remains from northwestern South Asia. Readings in the primary, interpretative, and popular literature and from the press and Internet form the foundation for discussion of such topics as: agricultural origins, the Indus Civilization and its relations to later cultures, the Aryan invasion theory, and the Ayodhya affair. The nature and use of archaeological evidence, logic of academic versus popular discourse, and role of belief form underlying themes.

Note: May not be taken pass/fail. No auditors permitted.

[Anthropology 1040. Origins of the Food We Eat]

Catalog Number: 1837

Ofer Bar-Yosef and Richard H. Meadow

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

Focuses on arguably the most significant transition in the human past, namely, that from hunting-gathering to agriculture and pastoralism. Covers the emergence of cultivation, adoption of plant foods, and domestication of animals in key regions of Asia and Latin America. Considers the spread of foods across the world during pre- and early history and beginning ca 1500 AD.

Discusses the contributions of archaeology, climatology, botany, zoology, genetics, and linguistics to these topics.

Note: Expected to be given in 2009–10. Given in alternate years.

[Anthropology 1045. Ancient Settlement Systems: Seminar]

Catalog Number: 8978

Jason A. Ur

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

Approaches to spatial patterning in human societies, including the structure of settlements and the regional distribution of populations. The seminar will consider how variation in settlement and settlement systems can be related to factors such as environment, economy, and social and political organization. Case studies will be drawn from a range of New and Old World societies



of varying scales of sociopolitical complexity.

Note: Expected to be given in 2009–10.

Anthropology 1060. Archaeological Science

Catalog Number: 2013

Noreen Tuross

Half course (spring term). M., 7–10 pm. EXAM GROUP: 9

Focus on physical science and engineering methods and techniques used by archaeologists in the reconstruction of time, space, and human paleoecology, and analysis of archaeological materials. Topics include ¹⁴C dating, ice core and palynological analysis, stable isotope chemistry of paleodietary foodwebs, soil micromorphology and site formation, Pb isotope sourcing of metal artifacts, and microstructural and mechanical analyses of cementitious materials used in ancient monumental buildings.

Note: Meets at MIT.

Prerequisite: One year of college-level chemistry or physics.

[Anthropology 1085. Six Great Discoveries in New World Archaeology]

Catalog Number: 2318

Jeffrey Quilter

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

The class will use six important archaeological sites as case studies by which to understand prehistory in the Ancient Americas and to learn of changing approaches to studying the past. From three major culture regions, two sites important for specialists and a wider audience will be examined in depth. They are North America: Cahokia and Chaco Canyon; Mesoamerica: Teotihuacan and Copan; Central Andes: Moche Huacas and Cuzco-Machu Picchu.

Note: Expected to be given in 2009–10. Class designed primarily for undergraduates with no previous experience in archaeology but it may also be taken by graduate students.

Anthropology 1087. The Human Colonizations of Australia and the Americas - (New Course)

Catalog Number: 0208

Iain Davidson

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

The stories of the first Americans and first Australians will be compared through a study of the archaeological, genetic, ethnographic, geological and artistic evidence. The course will consider the cognitive requirements for colonizing these continents, and the impacts of first colonists on endemic megafauna (Diprotodons and mammoths). It will also consider the different histories following first colonization, asking why agriculture did not emerge in Australia, and why both agriculture and states emerged in the Americas.

[Anthropology 1090. Ethnography and Archaeology]

Catalog Number: 8716

Gary Urton

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

Archaeologists often draw on ethnographic studies of Western and non-Western societies as sources of explanation for ancient cultural practices. But the questions remain: How valid is the



use of ethnographic analogy in the study of the past? What assumptions do archaeologists make about past social processes in their uses of ethnographic studies? These are some of the questions addressed in this course.

Note: Expected to be given in 2009–10.

[Anthropology 1120. Comparative Analysis of Ancient Civilizations]

Catalog Number: 7474

C. C. Lamberg-Karlovsky

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

An analysis of the similarities and differences in the emergence of Mesopotamia, Egypt, Central Asia, and the Indus Valley. Economic, political, and religious systems are compared as are technology and demography.

Note: Expected to be given in 2009–10.

[Anthropology 1130. Archaeology of Harvard Yard]

Catalog Number: 1634

William L. Fash, Patricia Capone, Christina Jayne Hodge, and Diana Loren

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

Archaeological data recovered from Harvard Yard provide a richer and more nuanced view of the 17th through 19th century lives of students and faculty in Harvard Yard, an area that includes the Old College and Harvard Indian College. Students will excavate in Harvard Yard and process and analyze artifacts and report on the results. Additional topics to be covered include regional historical archaeology, research design, surveying, archival research, stratigraphy, and artifact analysis.

Note: Expected to be given in 2009–10.

[Anthropology 1131. Archaeology of Harvard Yard II: Laboratory Methods and Analysis]

Catalog Number: 0655

William L. Fash, Patricia Capone, Christina Jayne Hodge, and Diana Loren

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

Open to students who participated in the fall term investigations in Harvard Yard, this course focuses on the detailed analysis of the materials recovered in the excavations, within the context of archival and comparative archaeological and historical research. The analysis will also include an evaluation of the results of the ground-penetrating radar surveys conducted prior to the excavations, as part of the research design for the next season of investigations of the India College site.

Note: Expected to be given in 2009–10.

Prerequisite: Anthropology 1130, Archaeology of Harvard Yard.

***Anthropology 1140. Human Modification of the Landscape**

Catalog Number: 5898

Noreen Tuross and Thomas Gardner Garrison

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

Northern New England provides the archaeologist and environmental scientist with a natural experiment in land clearing that was caused by the agricultural practices of humans and the subsequent reforestation of the ecosystem. This course will concentrate on laboratory methods



usable onsite to uncover evidence of past land use and change. The following approaches will be explored in the context of a historic farm site and a historic tannery: inorganic and organic element and compound distributions in soil, pollen and phytolith analysis, isotopic distribution in flora, and an introduction to mobile molecular biology.

Note: This course has a 10-day residential component prior to the start of the term (September 2 to September 13th).

Anthropology 1155. Before Baghdad: Cities of Ancient Mesopotamia - (New Course)

Catalog Number: 8450

Jason A. Ur

Half course (spring term). M., W., at 10.

The world's first cities emerged in Mesopotamia and were the defining characteristic of ancient civilizations in what is today Iraq, Syria and Turkey. They were inhabited by large populations, powerful kings, and the gods themselves. The course will consider the origins, ecology, spatial arrangement, socioeconomic religious organization, religious institutions, and collapse of cities from Gilgamesh to Saddam. Through archaeology and ancient texts, students will become familiar with cities such as Uruk, Babylon, Nineveh, and Baghdad.

[Anthropology 1160. Introduction to the Yucatec Maya Language]

Catalog Number: 4772

Marc U. Zender

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

An intensive introduction to the grammar, vocabulary and historical development of the Yucatec Maya language, still spoken by millions of speakers in Mexico and Belize, and with an extensive philological tradition stretching back to the early seventeenth century.

Note: Expected to be given in 2009–10.

Anthropology 1161. Classic Mayan Language, Literature and Society - (New Course)

Catalog Number: 3617

Marc U. Zender

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

This course surveys the language, writing and literary culture of the late Classic Maya (AD 600-900) of Central America. Following an intensive introduction to the grammar and vocabulary of the Classic Mayan script, we chart its historical development and genetic relationships with other Mayan languages. These comparisons allow a sociolinguistic appreciation of the significance of ancient language variation, and also facilitate deeper understandings of the historical, ritual and religious themes most central to Classic Mayan literature.

[Anthropology 1162. Introduction to Classical Nahuatl]

Catalog Number: 9419

Marc U. Zender

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

An intensive introduction to the grammar, vocabulary and historical significance of Classical Nahuatl, the language of the Aztec Empire, and precursor to numerous varieties of the language still spoken in Modern Mexico. We will also study Aztec hieroglyphic writing and the extensive



philological sources for Nahuatl, some dating back to the early 15th century.

Note: Expected to be given in 2010–11.

Anthropology 1165. Digging the Glyphs: Adventures in Decipherment

Catalog Number: 9906

Marc U. Zender

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

Focuses on the method and theory of archaeological decipherment. Major decipherments are studied in-depth (Egyptian hieroglyphs, the cuneiform scripts, Linear B, Maya and Aztec glyphs), as are various undeciphered scripts (Linear A, Isthmian and Rongorongo) and a number of deciphered systems encoding extinct languages (Etruscan, Meroitic and Sumerian). Other topics include the origins, development, and sociopolitical uses of writing in the ancient world.

Anthropology 1174. The Incas

Catalog Number: 5311

Gary Urton

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

An introduction to the archaeology of the Incas beginning with an overview of pre-Inca civilizations of Andean South America. Attempts to understand how the Inca integrated the varied peoples and resources of the Andes into a unified empire. Ends with an overview of the destruction and transformation of Inca society and culture under Spanish colonialism. Studies Inka materials in the Peabody Museum collection.

[Anthropology 1175. The Archaeology of Ethnicity]

Catalog Number: 1022

Gary Urton

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

Ethnic identity and conflict are among the most powerful processes and relations shaping the world we live in today. Questions addressed include: What can we understand about ethnic identity and relations in the prehistoric world on the basis of the archaeological record? For example, how might differences in material culture represent and reflect markers of ethnic identity? The Peabody Museum collections will provide materials for study and analysis.

Note: Expected to be given in 2009–10.

[Anthropology 1177. South American Archaeology]

Catalog Number: 6996

Gary Urton

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

Provides an overview of Pre-Columbian civilizations on the continent of South America from the earliest record of human habitation to the time of the European invasion, in the sixteenth century. Focuses on the archaeology of the Amazon and Orinoco rivers, the Andes, and the Pacific coast of Peru and Chile. Extensive use will be made of the South American collections in the Peabody Museum.

Note: Expected to be given in 2009–10.



Anthropology 1190. Encountering the Conquistadors - (New Course)

Catalog Number: 9956

Matthew Joseph Liebmann

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

This course examines the effects of the Spanish Conquest on indigenous peoples of the Americas between the fifteenth and eighteenth centuries, providing an introduction to the archaeology of first encounters in the Caribbean, Southeast and Southwest US, Central Mexico, highland and lowland Mesoamerica, the Amazon basin, and in the Andes. Topics addressed include the roles of disease, indigenous politics, native rebellions, and ecological change in the colonization of the 'New' World.

[Anthropology 1210. The Archaeology of Ancient China]

Catalog Number: 1793

Rowan K. Flad

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

A survey of the archaeology of China from the origins of humans during the Palaeolithic into the Bronze Age (ca. 220 BCE), with an emphasis on the origins of agriculture and the emergence of complex society during the late Neolithic and Early Bronze Age. We survey important archaeological finds from these periods and examine relevant issues in anthropological archaeology. Sections will involve the discussion and use of materials from the Peabody and Sackler Museums.

Note: Expected to be given in 2009–10.

[Anthropology 1220. The Record of the Material Culture: Lithics, Pottery, Metallurgy]

Catalog Number: 4504

Rowan K. Flad, Ofer Bar-Yosef, and C. C. Lamberg-Karlovsky

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

Discussions and presentations of archaeological finds (stone, bone and wooden tools, hearths, site spatial organization, etc.) from the earliest Stone Age some 2.5 million years ago through the transition through Neolithic farming and herding communities to complex polities.

Note: Expected to be given in 2010–11.

Primarily for Graduates

***Anthropology 2000. Osteoarchaeology Lab**

Catalog Number: 0363 Enrollment: Limited to 12.

Richard H. Meadow

Half course (fall term). W., 2–5, and at least 3 hours of laboratory weekly. EXAM GROUP: 7, 8, 9

Introduction to the osteoarchaeological analysis. Identification of animal bones and teeth from archaeological sites using comparative materials and their characterization employing visual, metric, and microscopic methods.

Note: Given in alternate years. Open to qualified undergraduates. Fulfills laboratory course requirement for archaeology graduate students and archaeological science requirement for undergraduate concentrators.



Anthropology 2010ar. Materials in Ancient Societies: Ceramics

Catalog Number: 7163

C. C. Lamberg-Karlovsky

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

This seminar-laboratory subject provides in-depth study of the technologies of ancient societies.

Note: Open to senior undergraduates with permission of instructor.

Anthropology 2010br. Materials in Ancient Societies: Ceramics

Catalog Number: 1753

C. C. Lamberg-Karlovsky

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

This seminar-laboratory subject provides in-depth study of the technologies of ancient societies.

Note: Anthropology 2010ar is commonly taken before Anthropology 2010br.

***Anthropology 2020 (formerly Anthropology 1065). GIS and Spatial Analysis in Archaeology**

Catalog Number: 3729 Enrollment: Limited to 8.

Jason A. Ur

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

An introduction to the GIS and remote sensing methods used by archaeologists to document and analyze datasets at the regional scale. This class will involve the hands-on use of maps, aerial photography, satellite imagery, digital terrain models and GPS-based observations to frame and approach archaeological research questions. Labs will use sample datasets from a variety of regions but students will be responsible for assembling a GIS database for their own region of interest.

[Anthropology 2065. Complex Societies of Northern Mesopotamia]

Catalog Number: 6426

Jason A. Ur

Half course (spring term). M., 3–5.

This seminar will investigate themes in recent research on complex societies of northern Mesopotamia from the end of the fifth to the middle of the first millennium BC.

Note: Expected to be given in 2009–10.

[*Anthropology 2070a. Archaeological Method and Theory: Seminar]

Catalog Number: 4634

Jeffrey Quilter

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

The class covers archaeological method and theory emphasizing the 1950s onwards. Large-scale trends in social theory will be balanced with attention to the ideas and writings of significant anthropologists and archaeologists.

Note: Expected to be given in 2009–10. Required of graduate students in the Archaeology Program of Anthropology; This class is designed for graduate students but enthusiastic and energetic undergraduates are most welcome.



Anthropology 2091r. Issues in Chinese Archaeology - (New Course)

Catalog Number: 4232

Rowan K. Flad

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

A close reading of archaeological site reports and secondary literature related to topics in Chinese Archaeology, with a focus on complex societies.

Prerequisite: Adequate reading knowledge of Chinese required.

[Anthropology 2092. Early China: Archaeology and Texts]

Catalog Number: 9379

Rowan K. Flad and Michael J. Puett

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

A comprehensive introduction to Bronze Age China focusing on both archaeological discoveries from the second and first millennia and textual material including oracle bones, bronze inscriptions, excavated texts, and traditional accounts.

Note: Expected to be given in 2010–11. Advanced undergraduates welcome.

Anthropology 2110r (formerly Anthropology 211r). Issues in Mesoamerican Archaeology: Seminar

Catalog Number: 7276

William L. Fash

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

Considers current topics and debates in the archaeology of Mesoamerica, with special emphasis on ancient Maya civilizations. Readings and discussions focus on aspects of social process, political history, and their interplay with ritual and ideology.

[Anthropology 2115. Origins of Andean Complex Societies]

Catalog Number: 0723

Jeffrey Quilter

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

This class is an intensive study of the origins of complex societies in the ancient Andes, one of the great centers of "pristine civilization." It will concentrate on Peru and focus on the Middle Preceramic to the beginnings of Chavin and the Early Horizon. The seminar will emphasize discussion based on readings and include class presentations and joint meetings with a similar class at Yale University.

Note: Expected to be given in 2009–10.

Anthropology 2125. The Moche of Ancient Peru: Politics, Economy, Religion and Art - (New Course)

Catalog Number: 0593

Jeffrey Quilter

Half course (spring term). W., 3–6.

This course will be a focused examination of the ancient Moche (ca. C.E. 100-800) of the north coast of Peru with particular attention paid to the nature of Moche political economy and its religious-ceremonial-artistic manifestations.



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

[Anthropology 2175. The Inca Quipu]

Catalog Number: 0329

Gary Urton

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

An examination of the principal Inca record-keeping device. Read studies on quipu record keeping from Pre-Columbian through early colonial times, and study the quipus in the Peabody Museum.

Note: Expected to be given in 2009–10.

Anthropology 2200. The Art and Science of Australian Rock Art - (New Course)

Catalog Number: 2913

Noreen Tuross and Iain Davidson

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

This seminar will explore the production, preservation, variation, dating, meanings and importance of Australian rock art.

Anthropology 2210. Archaeology and the Ancient Economy - (New Course)

Catalog Number: 3586

C. C. Lamberg-Karlovsky

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

Numerous theories are advanced for the structure of the ancient economy. Different perspectives on the nature of trade, the market, reciprocity-redistribution, etc. will be reviewed. An evolutionary and global perspective will be pursued from the Neolithic to the Iron Age.

Note: Open to undergraduates.

Anthropology 2240. Archaeology of Production: Seminar

Catalog Number: 8589

Rowan K. Flad

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

An exploration of production in archaeological contexts. Topics include specialization, craft production, production and power, the practice/performance of production, production and gender, ritualized production, and the production of memory.

Anthropology 2360r (formerly Anthropology 206r). Topics in Paleolithic Archaeology and Paleoanthropology

Catalog Number: 8630

Ofer Bar-Yosef

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

Selected topics in Old World paleoanthropology. Topics include Homo erectus and modern human dispersions, Eurasian colonization, survival strategies of the Neanderthals and their demise, radiometric techniques, transition to Upper Paleolithic, strategies of past foragers.

Cross-listed Courses



[**Ancient Near East 105. History of the Ancient Near East: The Levant \(up to Alexander the Great\)**](#)

[**Ancient Near East 115. Archaeology of the Levant \(Syria-Palestine\)**](#)

[Ancient Near East 117. Biblical Archaeology]

[Ancient Near East 118. Syro-Palestinian Pottery]

[***Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar**](#)

[**Foreign Cultures 34. Mesoamerican Civilizations**](#)

[**Foreign Cultures 93. Pathways through the Andes—History, Culture, and Politics in Andean South America**](#)

[Science B-64. Feeding the World; Feeding Yourself]

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

Biological Anthropology

Primarily for Undergraduates

[***Anthropology 91yr \(formerly Anthropology 91r\). Supervised Reading and Research**](#)

Catalog Number: 5992

Richard W. Wrangham

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

Special study of selected topics in Biological Anthropology, given on an individual basis and directly supervised by a member of the Biological Anthropology Faculty. May be taken for a letter grade or Pass/Fail. Signature of faculty supervisor required.

[***Anthropology 97y. Sophomore Tutorial in Biological Anthropology**](#)

Catalog Number: 3170

Richard W. Wrangham

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

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

Note: Required of and limited to Biological Anthropology concentrators.

[***Anthropology 99y \(formerly Anthropology 99\). Tutorial - Senior Year**](#)

Catalog Number: 0455

Richard W. Wrangham

Full course. Hours to be arranged.

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

For Undergraduates and Graduates



Please refer to the courses listed under Human Evolutionary Biology. The Biological Anthropology track within the Anthropology department addresses why humans and primates are the way they are from an evolutionary perspective. Undergraduate courses in Biological Anthropology are listed in the Human Evolutionary Biology concentration.

Primarily for Graduates

[Anthropology 2305. Advanced Topics in Human Evolutionary Biology]

Catalog Number: 1009

Daniel E. Lieberman

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

Reading and discussion of topics in human evolutionary biology and paleoanthropology.

Note: Expected to be given in 2009–10.

***Anthropology 2312. Current Topics in Human Evolutionary Genetics**

Catalog Number: 1175

Maryellen Ruvolo

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

Critical reading of current literature on the genetics of living humans and discussion of evolutionary implications.

Note: Open to first and second year graduate students in Biological Anthropology.

[Anthropology 2325. Topics in Genetics, Genomics and Evolution]

Catalog Number: 3997

Maryellen Ruvolo

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

Reading and discussion of topics in genetics, genomics and evolution.

Note: Expected to be given in 2010–11.

***Anthropology 2337r (formerly *Anthropology 237br). Advanced Laboratory Methods in Human Endocrinology**

Catalog Number: 5345

Susan F. Lipson

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

Note: Intended for students engaged in laboratory research on human endocrinology.

Anthropology 2430 (formerly Anthropology 229). Behavioral Biology Seminar

Catalog Number: 3777

Karen L. Kramer

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

Reading and discussion of current research in the behavioral ecology of humans and nonhuman primates. Emphasis placed on comparative and interdisciplinary approaches.

Note: Required of entering graduate students in biological anthropology. Open to other graduate students. Limited to graduate students.



[Anthropology 2460. Issues in Human Evolution]

Catalog Number: 1073

Daniel E. Lieberman and David Pilbeam

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

Topics will include origins of hominids, radiation of hominins, origins of the genus *Homo*, and origins of *Homo sapiens*.

Note: Expected to be given in 2009–10.

[*Anthropology 2595ar (formerly *Anthropology 295ar). Laboratory Methods in Evolutionary Genetics]

Catalog Number: 7934

Maryellen Ruvolo

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

Note: Expected to be given in 2009–10. Limited to graduate students and undergraduates conducting senior thesis research.

[*Anthropology 2595br \(formerly *Anthropology 295br\). Laboratory Methods in Evolutionary Genetics](#)

Catalog Number: 6468

Maryellen Ruvolo

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

Note: Limited to graduate students and undergraduates conducting senior thesis research.

Cross-listed Courses

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

[Life Sciences 2. Evolutionary Human Physiology and Anatomy](#)

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

[*OEB 121a. Advanced Structure and Physiology of the Vertebrates](#)

[\[*Psychology 1151. Cognitive Evolution: Theory and Practice\]](#)

[*Psychology 1152r. Cognitive Evolution Lab](#)

[*Psychology 2380. Theory and Evidence in Cognitive Science and Neuroscience - \(New Course\)](#)

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

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

Social Anthropology

Primarily for Undergraduates

[Anthropology 91zr \(formerly Anthropology 91r\). Supervised Reading and Research](#)

Catalog Number: 3619

Smita Lahiri

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

Special study of selected topics in Anthropology, given on an individual basis and directly



supervised by a member of the Department. May be taken for a letter grade or Pass/Fail. To enroll, a student *must submit a petition form* (available from the Anthropology Undergraduate Office, William James 352, or downloadable from the department's website), signed by the adviser under whom he or she wishes to study, and a proposed plan of study.

Anthropology 92zr (formerly Anthropology 92r). Research Methods in Museum Collections

Catalog Number: 4742

Smita Lahiri

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

Special (individual) study of Peabody Museum collections directly supervised by a faculty member and a member of the curatorial staff. Requires a project involving a Harvard Museum collection, developed in consultation with the supervisors.

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

Anthropology 97z. Sophomore Tutorial in Social Anthropology

Catalog Number: 5832

Kimberly Theidon

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

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

Note: Required of all concentrators.

Anthropology 98z. Junior Tutorial in Social Anthropology

Catalog Number: 4503

Smita Lahiri

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

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

Anthropology 99z (formerly Anthropology 99). Tutorial - Senior Year

Catalog Number: 0787

Smita Lahiri

Full course. Hours to be arranged.

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



For Undergraduates and Graduates

[Anthropology 1600. Watching Us, Seeing Them: A General Introduction to Social Anthropology]

Catalog Number: 8296

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

This course is a critical introduction to the premises, vocabulary, and methods of the anthropological dialogue with people of other cultures. Lectures and discussions revolve around several themes central to the discipline, such as "cultural relativism," "social structure," "interpretation," "gender," "the invention of tradition," and "reflexivity." At the same time, we will seek some fair-minded insights into the collective lives of people who work, play, fight, speak, eat and pray in ways different from our own. In the end, we will see ourselves more clearly and fairly as well.

Note: Expected to be given in 2009–10. Open to freshmen. This course may fulfill the 'Entry Course' requirement for Social Anthropology.

***Anthropology 1610. Ethnographic Research Methods**

Catalog Number: 2622 Enrollment: Limited to 20.

Yuson Jung (spring term) and Katrina Moore (fall term)

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

Introduction to methodology for contemporary ethnographic field research in anthropology. Students complete assigned and independent research projects relying on a variety of ethnographic methods, under supervision of department faculty.

Note: Open to undergraduates only. Preference given to anthropology concentrators.

Anthropology 1612. Politics of Leisure and Recreation: Seminar

Catalog Number: 3270

Katrina Moore

Half course (spring term). Th., 1–3.

What do we do in our free time? What's at stake in how we experience leisure? Various theorists have debated the significance of leisure, claiming that it is regulative, coercive, exploitative, restorative, and even transformative. This seminar analyzes leisure practices and the social relations of leisure in a diverse array of cultural contexts. It explores leisure to illuminate issues of social class, inequality, mobility, resistance, and freedom. Course materials include ethnographies, novels and films.

Anthropology 1623. The Anthropology of Intimacy - (New Course)

Catalog Number: 5942 Enrollment: Limited to 20.

Katrina Moore

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

How does one define intimacy? What shapes does intimacy take? This seminar analyzes the social production and negotiation of intimacies in diverse cultural contexts. Through a close reading of ethnographic texts, explore intimacy's relationship to romance, pleasure, friendship, sexuality, violence, identity, and local and global hierarchies of power. Course materials also



include novels and films. Course is designed to stimulate discussion about the linkages between intimacy, sexuality, and power.

[Anthropology 1625. Global Food Systems: Research Seminar]

Catalog Number: 7806

James L. Watson

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

Undergraduate research seminar focusing on global food systems and commodity chains. Each student will work on one category of food (examples include maize, pork, beef, fish, rice, GMO soybeans, chocolate, coffee, sugar, etc.). Requirements: class presentation, regular seminar participation, and a research paper.

Note: Expected to be given in 2009–10. Limited to undergraduate students.

Prerequisite: Preference will be given to students who have taken Social Analysis 70, or equivalent courses.

Anthropology 1627. Comparative Secularism

Catalog Number: 7587

Asad A. Ahmed

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

Secularism once understood as a normative political arrangement that promoted social peace and multiple religiosities is increasingly under attack as circumscribing or denying people's abilities to live according to their religious understandings. This course will examine the accommodations and antagonisms between secularist philosophies and religious sensibilities in comparative context - primarily through a focus on the experience of France, the UK and India.

[Anthropology 1628. Governing India: The Raj]

Catalog Number: 9501 Enrollment: Limited to 20.

Asad A. Ahmed

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

Is the Raj only a fading memory or does its legacy continue to inform the political and social trajectories of contemporary South Asia? This course will explore the ways through which the colonial regime produced knowledge about Indian society and the political and social institutions that were developed to govern India. We therefore investigate colonial interventions in architecture and the army, the institutions of law and order, environment and hygiene, amongst others.

Note: Expected to be given in 2009–10. Graduate students allowed with permission of the instructor.

Anthropology 1630. Other People's Beliefs: The Anthropology of Religion

Catalog Number: 9598

Smita Lahiri

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

From its inception as a discipline addressing non-Western cultures, anthropology has examined the religious beliefs and practices of people who are "not us." Yet the cross-cultural study of phenomena such as "ritual," "sacrifice," and the "sacred" also renders absolute distinctions between "us" and "them" untenable. At a time when religion is in resurgence from the Americas



to Asia, Africa, and the Middle East, we survey the contribution of anthropology to understanding its complexity and resilience.

Note: This course may fulfill the 'Entry Course' requirement for Social Anthropology.

[Anthropology 1635. Human Rights and Social Justice]

Catalog Number: 9261

Kimberly Theidon

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

Studies the theory and practice of human rights. Themes to be explored include: anthropology and human rights; the emergence of an international human rights regime; indigenous peoples, autonomy and self-determination; human rights and international humanitarian law during times of war; the rights of children; the thorny question of humanitarian intervention; and the role of academic-activists in the defense of human rights.

Note: Expected to be given in 2009–10.

Anthropology 1640. Language and Culture

Catalog Number: 5844

Steven C. Caton

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

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

Note: No previous knowledge of linguistics or of anthropology is required. This course may fulfill the 'Entry Course' requirement for Social Anthropology. This course, when taken for a letter grade, meets the Core requirement for Social Analysis.

Anthropology 1646. Visual and Material Culture of Japan

Catalog Number: 3389 Enrollment: Limited to 15.

David R. Odo

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

This seminar draws on the rich Japanese collections of the Peabody Museum, including photographs, armor, and ceramics, to give students hands-on research experience in working with museum objects. Students use the collections to develop an understanding of how anthropologists and others use museum objects as a starting point to explore concepts of visibility, materiality, collecting, and exhibition.

Note: No knowledge of Japanese language required but some familiarity with Japanese history or museology is helpful.

Anthropology 1650 (formerly Anthropology 159). Museum Anthropology: Thinking with Objects

Catalog Number: 4185 Enrollment: Limited to 15.

David R. Odo

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



This research seminar uses collections from the Peabody Museum to consider broad issues in anthropology and museology. Thinking with museum objects, students explore the history of museums and collecting, changing exhibit styles, museum ethics, and challenges to traditional museum practices by conducting hands-on research in the collections, critical viewing of exhibitions, readings, discussions, and research papers.

[Anthropology 1655. Politics of Nature]

Catalog Number: 0710

Ajantha Subramanian

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

Explores the intersections of ecology, history, and politics with a focus on the social construction of nature, politics of natural resource use, centrality of resource control to the consolidation of empires and nations, and the making of post-industrial natures. Some of the theoretical frameworks considered include: political ecology, Marxist geography, development anthropology, and environmental history. Some of the political trends addressed include: offshore extraction, nuclearization, legal pluralism, indigenous rights, wilderness preservation, and global environmentalism.

Note: Expected to be given in 2009–10.

Anthropology 1662. Anthropology of Middle Eastern Communities - (New Course)

Catalog Number: 3852

Zahra Nasiruddin Jamal

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

This course surveys various ethnic and religious communities in the Middle East and North Africa, as well as Arab-American communities in America. We will examine how power and politics shape cultural ideas and practices. Topics include identity and nationalism, cultural expressions of religious experience, media and the contemporary Middle East, and gender.

Anthropology 1664. Negotiating Muslim Identities - (New Course)

Catalog Number: 7348

Zahra Nasiruddin Jamal

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

What does it mean to be a Muslim in today's world? This course offers an overview of anthropological approaches to the study of contemporary Muslim societies in North America, Europe, the Middle East, Asia, and Africa. Through ethnographies, literature, and film, the course explores themes of religion and state, authority, ritual and space, gender and personhood, and piety and ethics.

Anthropology 1666. Moral Economies of Exchange - (New Course)

Catalog Number: 8139

Zahra Nasiruddin Jamal

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

People do that?! This course explores how individuals and communities enact their understandings of morality through interactions with "others" in different global contexts. We will consider how competing ideas of what is good and just are locally forged and globally



relevant in various religious communities; trade in sex, drugs, and body parts; and (inter)national laws regarding the elderly, immigrants, refugees.

[Anthropology 1690. Consuming Passions: Cultures of Materialism in Asia]

Catalog Number: 1201

Smita Lahiri

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

How do objects tell the story of people's lives? How do historical relations of exchange constitute inter-community boundaries and communal identities? What can we read into the explosion of new consumer desires, opportunities and fantasies currently seen in the Asia-Pacific region? Anthropological ideas about "material culture" used to work through contemporary formations of national, gender, sexual, and ethnic identity, primarily but not exclusively in South and Southeast Asia.

Note: Expected to be given in 2009–10.

Anthropology 1715. Working Hands and Unwanted Bodies: The Anthropology of Transnational Labor Migration - (New Course)

Catalog Number: 9672

Sarah S. Willen

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

Who picked the strawberries you ate for breakfast? Who ground the meat in your hamburger? Who built the neighbors' new house? In many countries, jobs like these - those that are dirty, difficult, and dangerous - are performed by transnational migrant workers, many of them undocumented or "illegal". This course explores the catalysts and consequences of transnational labor migration, which currently ranks among the thorniest and most contentious issues on national and international agendas.

[Anthropology 1720. Anthropology, Cultural Studies, and Film]

Catalog Number: 1522

Steven C. Caton

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

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

Note: Expected to be given in 2009–10. Graduate students may enroll and make arrangements for specialized readings and assignments. This course may fulfill the 'Entry Course' requirement for Social Anthropology. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Anthropology 1722. Shoe-Swapping Dilemmas: Embodiment, Experience, and the Ethnographic Project - (New Course)

Catalog Number: 8648 Enrollment: Limited to 20. Some background in social anthropology preferred.

Sarah S. Willen



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

Ethnographers can never "walk a mile in their informants' shoes" - or can they? What does it mean to "study" how others experience life, selfhood, and the world around them? Course will explore recent ethnographic attempts to understand divergent ways of being-in-the-world.

Themes include experiences of time and space; embodiment; the senses; disease/illness/disfigurement; subjectivity and selfhood; and social exclusion and disenfranchisement, plus the formidable challenge of understanding - and conveying something meaningful about - other human beings' subjective experience.

Anthropology 1725. The Anthropology of the Korean Family - (New Course)

Catalog Number: 5749

Elise M. Prebin

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

This course is an introduction to social anthropology's major concepts and methods as well as an occasion to witness their practical application to the analysis of contemporary South Korean society. Using primary sources such as interviews, field observation, media, and secondary sources such as anthropological or historical texts on Korea, we will explore shifting facets of South Korean families today and compare them with their Japanese and Chinese counterparts.

Anthropology 1795. The Politics of Language and Identity in Latin America

Catalog Number: 7265

Catalina Laserna

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

Introduces theory and research in linguistic anthropology in the context of ethnographic research, film and popular music, from cumbia to hip-hop in Latin America. Examines how the multiplicity and contention of language ideologies play out in the everyday practices. What are the social, linguistic and discursive means by which social identity is constructed? How do ways of speaking, such as border talk and code switching, link face to face communities to the national and transnational spheres? Texts include regional ethnographies and documentaries from the region as well as the literature in the burgeoning new field of linguistic anthropology.

Note: This course, when taken for a letter grade, meets the Core requirement for Foreign Cultures.

Anthropology 1805. Does Lakshmi Speak English? The Political Economy of Language in India - (New Course)

Catalog Number: 8033

Smita Lahiri

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

The English-speaking call center worker has become the poster-child of Indian economic growth. This course examines the place of English in this postcolonial setting, particularly its use alongside other Indian languages in the public realm. Using perspectives from anthropological linguistics, students will analyze contemporary examples of speech and discourse to explore how "liberalization" (market reform) is currently reshaping the politics of language and identity.

Note: Background in anthropology and familiarity with South Asia required.



Anthropology 1820. Japan in the Ethnographic Gaze: Seminar

Catalog Number: 1267 Enrollment: Limited to 15.

Theodore C. Bestor

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

We examine ethnographies of Japan from the 1930s to the present to illuminate how Japan, as a cultural and social “whole,” has been ethnographically problematized and re-problematized in different eras, from different theoretical interests such as culture-and-personality, modernization, and tradition, structuralist, post-structuralist, and cultural studies.

Note: This course may fulfill the ‘Entry Course’ requirement for Social Anthropology.

Anthropology 1825. Health, Culture and Community: Case Studies in Global Health

Catalog Number: 9587 Enrollment: Limited to 180.

Jim Yong Kim (Medical School), Paul Farmer (Medical School), and Arthur Kleinman

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

Examines, through lecturers and case-based discussions, a collection of global health problems rooted in rapidly changing social structures that transcend national and other administrative boundaries. Students will explore case studies (addressing AIDS, tuberculosis, mental illness, and other topics) and a diverse literature (including epidemiology, anthropology, history, and clinical medicine), focusing on how a broad biosocial analysis might improve the delivery of services designed to lessen the burden of disease, especially among those living in poverty.

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

Anthropology 1850. Ethnography as Practice and Genre

Catalog Number: 1686 Enrollment: Limited to 20.

Smita Lahiri

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

For sociocultural anthropologists, ethnography is both a way of studying human communities and a way of writing about them. Ethnographic fieldwork raises issues of participation, power, and perspective; cultural relativism; the nature of evidence; and the ethics of engagement. Writing ethnography highlights other issues, such as the politics of representing “others.” This course explores these and related issues through close reading and intensive discussion of selected texts.

Prerequisite: Open to graduate students with permission of instructor.

[Anthropology 1870. Island Southeast Asia: Circulating Cultures]

Catalog Number: 5149

Mary M. Steedly

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

An introduction to island Southeast Asia (Indonesia, Philippines, Malaysia, Singapore, Brunei) emphasizing circulations of people, goods, ideas, beliefs, wealth, power, and images. Island Southeast Asia has a long history of involvement in global networks of economic distribution, exchange and appropriation. We will focus on cultural dimensions of such circulations, with topics to include urban gridlock, gay slang, terrorism, theme parks, female labor, political crisis, new media, democratization, and the lifestyles of the rich and famous.



Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core requirement for Foreign Cultures.

[Anthropology 1880. Chinese Culture and Society]

Catalog Number: 5917

James L. Watson

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

A detailed examination of Chinese social institutions, with emphasis on life in the countryside. Topics include: family and kinship organization, marriage and inheritance patterns, ritual and local religion, pre- and post-socialist cultural systems, and the effects of economic reforms on local life.

Note: Expected to be given in 2009–10. This course may fulfill the 'Entry Course' requirement for Social Anthropology. This course, when taken for a letter grade, meets the Core requirement for Foreign Cultures.

***Anthropology 1881. China After Mao: Seminar**

Catalog Number: 4642 Enrollment: Limited to 12.

James L. Watson

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

New work on the anthropology of China will be the focus of this course. Special attention will be given to issues of: nationalism, consumption and globalization, impact of the one-child policy, gender inequality, changing family relations, individualism, and private lives.

Anthropology 1885. Desire, Duty, and Discontent: Ethnographic Examinations of Contemporary Urban "China" - (New Course)

Catalog Number: 2457

Nicole D. Newendorp

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

Contemporary life in Chinese urban areas is shaped by political and economic processes in the PRC, resulting in complex and ever-changing urban landscapes. This class will examine contemporary Chinese urban life in the PRC but also in Hong Kong, Taiwan, and North America. Questions considered include: Where is "China" located? What similarities and differences underlie changing patterns of social life in various urban Chinese locations? What challenges face ethnographers doing research in Chinese urban areas?

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

Anthropology 1925. The Anthropology of Development and Globalization - (New Course)

Catalog Number: 5053

Yuson Jung

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

What is development and how does it relate to the discourse of globalization? This course is based on the premise that development questions lie at the center of the discipline's theoretical and ethnographic approaches. Topics covered include: poverty, consumption, markets, gender, environment, agricultural development, state power, institutions, and development alternatives in postcolonial and postsocialist worlds.



Anthropology 1950. Material Images: The Anthropology of Photography - (New Course)

Catalog Number: 6930 Enrollment: Limited to 20. Preference given to upper level social anthropology concentrators.

David R. Odo

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

This research seminar makes use of a wide range of theoretical texts, museum exhibitions and collections, and ethnographic case studies to consider broad issues in photography and anthropology. This course uses photographs to think critically about these practices, the conditions that fostered their production and their connection to the society that views/ed and use/d them. The materiality of photographic forms, representational content, and circulation of images are equally critical in this exploration of photography.

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

***Anthropology 1986. Art, Anthropology, and Aesthetics - (New Course)**

Catalog Number: 3844 Enrollment: Limited to 15.

Lucien G. Castaing-Taylor

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

In this seminar we shall study the warp and weft of human existence by crisscrossing between the anthropology of art and the art of anthropology. Both affinities and differences between art-making and anthropology will be considered, as well as alternative means of apprehending and expressing aesthetic and social experience cross-culturally.

[Anthropology 1990. History of Anthropological Theory]

Catalog Number: 1259

Steven C. Caton

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

This course provides an overview of anthropological theory in the three traditions - British, French and US - that have historically constituted it. Among the topics to be covered are: the American concept of culture and cultural relativism; Malinowskian functionalism; French structuralism; Geertz' interpretation of cultures; reflexive ethnography; and post-structuralism.

Note: Expected to be given in 2009–10.

Anthropology 1992. Anthropology and the Uses of History

Catalog Number: 9103

Michael Herzfeld and William L. Fash

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

Examines nationalism, opposition to state power, and local perspectives that ordinarily escape "official" historians, the place of monumentality and archaeology in national and regional identity, gender, political affiliation, and status are examined for impact on interpretations.

Note: Given in alternate years. May count for graduate ethnography.

Primarily for Graduates

[Anthropology 2622. Fieldwork Methods]

Catalog Number: 5469 Enrollment: Limited to 12.



Steven C. Caton and Jocelyne Cesari (Divinity School)

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

Qualitative and quantitative research methods used in anthropological fieldwork. Application in field settings is emphasized. Students working on a variety of topics are welcome, though emphasis will be on the Boston area.

Note: Expected to be given in 2009–10.

***Anthropology 2626. Research Design**

Catalog Number: 9193 Enrollment: Limited to 12.

Theodore C. Bestor

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

Seminar focuses on weekly writing assignments leading to complete dissertation research proposals; defining theoretical and ethnographic contexts of research problem; reviewing literature; explaining site selection, methodology, timetable, human subjects protection; preparing budget; identifying grant sources.

Note: By permission only. Limited to doctoral candidates, with preference given to second and third year students in Anthropology.

[*Anthropology 2635. Image/Media/Publics: Seminar]

Catalog Number: 9515 Enrollment: Limited to 15.

Mary M. Steedly

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

Explores the relations among technologies of image production and circulation, the nature and intensity of the circulating image, and the generation of publics and counter-publics. Questions of scale, mediation, publicity, and mobilization will be considered.

Note: Expected to be given in 2009–10. Open to advanced undergraduates with permission of instructor.

[Anthropology 2645. Reconfiguring Regimes: Power, Law and Governance]

Catalog Number: 9925

Kimberly Theidon

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

Studies changing concepts of law, power and governance within contemporary global politics. Combines theoretical readings with ethnographic inquiries of the state, the legal, the magical, and the just.

Note: Expected to be given in 2009–10.

***Anthropology 2650a. History and Theory of Social Anthropology: Proseminar**

Catalog Number: 1752

J. Lorand Matory

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

A critical review of the major theoretical approaches in social anthropology.

Note: Required of candidates for the PhD in Social Anthropology. Limited to, and aimed at, doctoral candidates. Not open to undergraduates.



***Anthropology 2650b. History and Theory of Social Anthropology: Proseminar**

Catalog Number: 7971

Steven C. Caton

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

Continuation of Anthropology 2650a.

Note: Limited to, and aimed at, doctoral candidates. Not open to undergraduates.

Anthropology 2660. The Anthropology of Knowledge: Seminar

Catalog Number: 7070

Michael Herzfeld

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

Comparative exploration of local epistemologies from craft apprentices and skilled manual workers to schoolchildren, journalists and scientists, emphasizing the embodiment, inculcation, and transmission of practical knowledge and the relationships among cosmology, social context, and pragmatic understanding.

[Anthropology 2672. The Politics of Mereness]

Catalog Number: 1348 Enrollment: Limited to 15.

Michael Herzfeld 3122

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

This political anthropology course proposes that nationalism and globalism depend on hegemonic "common sense" and defend it by trivializing its key symbols. Special emphasis will be given to notions of cultural intimacy and political banality.

Note: Expected to be given in 2010–11.

Anthropology 2678. The Anthropology of Secularism - (New Course)

Catalog Number: 1390

Asad A. Ahmed

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

Secularism, understood as the normative arrangement for modern societies, has remained immune from anthropological investigation. In addition to examining secularism as an institutional arrangement this course will explore it as a form of subjectivity.

[Anthropology 2680. Globalization and Culture]

Catalog Number: 5127

James L. Watson

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

Examines recent theories of transnationalism and globalism, with emphasis on popular culture (music, TV, entertainment, food systems, etc.). Focus on debates regarding cultural imperialism and the effects of transnational corporations on "local" cultures.

Note: Expected to be given in 2009–10.

[Anthropology 2688. The Frankfurt School, Film, and Popular Culture]

Catalog Number: 1182 Enrollment: Limited to 15.

Steven C. Caton

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



Focus in the Frankfurt School and such concepts as the culture industry, critical theory and research, art and mass media reproduction, negative dialectic, public sphere, and other of its contributions to social and aesthetic theory.

Note: Expected to be given in 2009–10. To be taught in conjunction with A1720. Writers will include Horkheimer, Adorno, Benjamin, Kracauer, and Bloch.

[Anthropology 2690. Middle East Ethnography: Discourse, Politics, and Culture]

Catalog Number: 8056 Enrollment: Limited to 18.

Steven C. Caton

Half course (spring term). Th., 2–4:30. EXAM GROUP: 16, 17, 18

The discursive construction of culture and its complex politics are examined in a wide range of ethnographies that have been written recently on countries in the Middle East, including Lebanon, Jordan, Israel/Palestine, Egypt, Morocco, and Yemen. Among the theoretical topics to be considered are orientalism, colonialism and post-colonialism, nationalism, self, gender, and tribalism.

Note: Expected to be given in 2009–10.

Prerequisite: Anthropology 1600 for undergraduate students; Anthropology 2650a and Anthropology 2650b for graduate students.

Anthropology 2704. Linguistic Pragmatics and Cultural Analysis in Anthropology

Catalog Number: 4411

Steven C. Caton

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

A theory of linguistic pragmatics (Peirce, Benveniste, etc.) will be developed from a critique of structuralism (Saussure) whose relevance to the analysis of “culture” will be illustrated through ethnographies of language.

Note: Limited to graduate students, who will also be expected to attend all Anthropology 1640 lectures.

Anthropology 2735. The Anthropology of Science: Methods and Theory

Catalog Number: 4310

Duana Fullwiley

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

An introduction to ethnographies of science in global scientific settings, this course emphasizes practicalities of access, analysis, and representation. It also explores intellectual stakes regarding “the human” shared between anthropology and the life sciences today.

Anthropology 2736. Medical Anthropology of Contemporary Africa - (New Course)

Catalog Number: 1570

Duana Fullwiley

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

This course will examine the health effects of larger problems facing Africa today, including military and humanitarian HIV/AIDS interventions, genetic studies and offshore clinical trials, ethnic and state violence, economic crisis, resource extraction and migration.



Anthropology 2750. Local Biologies: Perspectives on the Interaction Between Culture and Biology

Catalog Number: 8267

Arthur Kleinman

Half course (spring term). Th., 1–3.

Reviews the variety of anthropological perspectives on the interactions between culture and biology. Topics include mind-brain-society interaction in pain; cross-cultural studies of menopause; sociosomatics of depression; the new genetics and eugenics; research on stress and trauma.

Note: Open to advanced undergraduates with permission of instructor.

[Anthropology 2765. Gender in Conflict: Violence, Militarism and War]

Catalog Number: 7015

Kimberly Theidon

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

In this seminar we will combine theoretical texts with classic and contemporary ethnographies to explore the anthropological study of ethics and ethical resources as related to debates that have animated the field of medical anthropology.

Note: Expected to be given in 2009–10.

[Anthropology 2778. Development: History, Theory, Politics]

Catalog Number: 4942

Ajantha Subramanian

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

Considers development as a project of rule and a politics of rights by examining colonial capitalism, anticolonial nationalism, postcolonial state formation, neoliberal transformation, and popular mobilization. Empirical readings focus primarily on colonial and postcolonial contexts.

Note: Expected to be given in 2009–10. Limited to graduate students.

[Anthropology 2780. Culture and Citizenship]

Catalog Number: 4769

Ajantha Subramanian

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

Considers citizenship as a form of political belonging that is lived collectively and culturally as a modality for the elaboration of social inequality. Interrogates how transnational processes inform national frameworks of belonging and rights.

Note: Expected to be given in 2009–10. Limited to graduate students.

[Anthropology 2785. Theories of Subjectivity in Current Anthropology]

Catalog Number: 1995

Byron J. Good (Medical School)

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

Theoretical positions and anthropological debates concerning subjectivity. Freud, Lacan, Butler, Agamben, Zizek, Foucault, and Mbembe read alongside ethnographic texts on violence, suffering, governmentality, and the state.

Note: Expected to be given in 2009–10.



Anthropology 2790. Anthropological Interviewing - (New Course)

Catalog Number: 1305

Byron J. Good (Medical School)

Half course (spring term). Tu., 1–3.

Provides theoretical grounding and practical supervision in ethnographic interviewing. Addresses life history and interview design, developing and managing intimacy, recognizing transference and counter transference, recording and transcribing data, and textual analysis.

Anthropology 2800. Intervention: The Anthropology of Post-Conflict Humanitarianism - (New Course)

Catalog Number: 7272

Kimberly Theidon, Byron J. Good (Medical School), and Mary-Jo Del Vecchio Good (Medical School)

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

A critical, anthropological examination of "humanitarianism" and the forms of governance it configures, particularly in post-conflict settings. Will examine ethnographic writings on violence and conflict, peace-building efforts, and diverse forms of post-conflict interventions.

[*Anthropology 2835r. Sensory Ethnography I]

Catalog Number: 7583 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

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

First half of a year-long sequence in which students apply media anthropological theory and conduct ethnography using film, video, sound, and/or still photography.

Note: Expected to be given in 2009–10. Limited to graduate students, who must also attend all VES 157a classes. Emphasis is on pre-production and production in the spring, and on post-production in the fall. Interview with instructor and teaching assistant required for admission.

***Anthropology 2836r. Sensory Ethnography II: Studio Course**

Catalog Number: 6213 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

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

Second half of a year-long sequence in which students apply media anthropological theory and conduct ethnography using film, video, sound, still photography, and/or hypermedia.

Note: Limited to graduate students, who must also attend all VES 158 classes. Emphasis is on pre-production and production in the spring, and on post-production in the fall. Interview with instructor and teaching assistant required for admission.

[Anthropology 2840. Ethnography and Personhood]

Catalog Number: 3560

Michael Herzfeld

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

Intensive, critical review of major ethnographies, exploring the relationship between society and personhood, examining ethnographic writing and its relation to other genres (including biography); and tracing anthropological theory through changes in descriptive and analytic



practice.

Note: Expected to be given in 2009–10. Given in alternate years.

[*Anthropology 2845. Media Anthropology Theory]

Catalog Number: 5422

Lucien G. Castaing-Taylor

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

Seminar offering a critical overview of the field of media anthropology, as it has developed over the last half century. Attention will be on the media as both an object and a genre of anthropology.

Note: Expected to be given in 2009–10. Students must attend all VES 189 classes.

***Anthropology 2850r. Practicum in Foreign-Language Ethnography**

Catalog Number: 9856

Michael Herzfeld

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

Readings in ethnographic and related theoretical works written in a selected foreign language; discussion, class presentations, and final papers will be in that language also.

Note: Offered when demand and availability permit. Primarily for doctoral students.

***Anthropology 2856. Biography, the Novel, Psychotherapy and Ethnography: Deep Ways of Knowing the Person in the Moral Context - (New Course)**

Catalog Number: 8459

Arthur Kleinman

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

Compares deep ways of knowing the person in his/her cultural, political, economic and, most especially, moral context. Reads strong examples from each field to learn about individual and collective experience under uncertainty and danger.

Note: Open to graduate students and advanced undergraduates.

[Anthropology 2880. Reorienting Southeast Asia]

Catalog Number: 7727

Smita Lahiri

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

This class moves from classics of regional ethnography to recent directions in the study of "Southeast Asia," engaging contemporary issues such as political transition, humanitarian crisis, financial and economic restructuring, new communications technology, and domains of intimacy.

Note: Expected to be given in 2009–10.

Cross-listed Courses

African and African American Studies 11. Introduction to African Studies

[African and African American Studies 12. What is Black Religion?: An Introduction]

African and African American Studies 141. Afro-Atlantic Religions - (New Course)

African and African American Studies 199. Delimiting Health Disparities in the African



Diaspora: A Laboratory for Social Engagement - (New Course)

Foreign Cultures 74. Cultures of Southern Europe

[Foreign Cultures 84. Tokyo]

[Foreign Cultures 86. West African Cultures]

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

Social Analysis 70. Food and Culture

***Visual and Environmental Studies 58r. Image, Sound, Culture: Studio Course**

***Visual and Environmental Studies 158r. Living Documentary: Studio Course**

[Visual and Environmental Studies 189. Exploring Culture Through Film]

Graduate Courses of Reading and Research

***Anthropology 3000. Reading Course**

Catalog Number: 3454

Asad A. Ahmed 5567, Ofer Bar-Yosef 1887, John C. Barry 1892, Theodore C. Bestor 2292, David L. Carrasco (FAS, Divinity School) 4213 (on leave 2008-09), Lucien G. Castaing-Taylor 4584 (on leave spring term), Steven C. Caton 2307, Peter T. Ellison 7413, William L. Fash 1512, Rowan K. Flad 5059, Duana Fullwiley 5767, Byron J. Good (Medical School) 7648, Michael Herzfeld 3122, Arthur Kleinman 7473, Karen L. Kramer 5769, Smita Lahiri 4465, C. C. Lamberg-Karlovsky 2387, Daniel E. Lieberman 3980, Susan F. Lipson 1969, Amanda S. Lobell 6242, J. Lorand Matory 3098, Richard H. Meadow 1572, Sally F. Moore 7225, Charles Lindsay Nunn 6146 (spring term only), David Pilbeam 7224 (on leave 2008-09), Jeffrey Quilter 5383, Maryellen Ruvolo 2512 (on leave fall term), Tanya M. Smith 6147 (spring term only), Mary M. Steedly 2783 (on leave 2008-09), Ajantha Subramanian 4618 (on leave 2008-09), Stanley J. Tambiah 4692 (spring term only), Kimberly Theidon 4973 (on leave fall term), Noreen Tuross 4845, Jason A. Ur 5307, Gary Urton 4469 (on leave spring term), James L. Watson 2172 (on leave fall term), Richard W. Wrangham 2349, and Marc U. Zender 5217

Special reading in selected topics under the direction of members of the Department.

Note: Consult the appropriate member of the Department.

***Anthropology 3001. Reading for General Examination**

Catalog Number: 5689

Members of the Department

Individual reading in preparation for the General Examination for the PhD degree.

Note: Restricted to candidates for the PhD degree and ordinarily to those who have completed at least one year in residence.

***Anthropology 3100. Old World Archaeology (Europe, Asia, and Africa)**

Catalog Number: 3463

Ofer Bar-Yosef 1887, C. C. Lamberg-Karlovsky 2387, and Richard H. Meadow 1572

***Anthropology 3111. Asiatic Archaeology and Ethnography**

Catalog Number: 5398

Rowan K. Flad 5059, C. C. Lamberg-Karlovsky 2387, and Lawrence E. Stager 1468



***Anthropology 3120. Scientific Archaeology**

Catalog Number: 0284

Richard H. Meadow 1572 and Noreen Tuross 4845 (fall term only)

***Anthropology 3130. Archaeology and Ethnography of the Near and Middle East**

Catalog Number: 3787

Ofer Bar-Yosef 1887 and C. C. Lamberg-Karlovsky 2387

***Anthropology 3140. Methods and Theory in Archaeology**

Catalog Number: 5440

Members of the Department

***Anthropology 3300. Supervised Field Work in Anthropology**

Catalog Number: 5683

Members of the Department

General instruction in field methods and practice in the various divisions of anthropology, including archaeology, ethnography, and physical anthropology. Instructional personnel and location of course vary with the research program of the staff. Lectures, conferences, field and laboratory work.

Note: May be taken by graduate students for academic credit, but since it is tuition-free, does not count for residence credit leading to reduced tuition. Open to students with adequate previous training in the subject.

***Anthropology 3310. Experimental Methods in Biological Anthropology**

Catalog Number: 9602

Members of the Department

***Anthropology 3320. Advanced Biological Anthropology: Laboratory and Dissertations**

Catalog Number: 2092

Members of the Department

***Anthropology 3400. Reading and Research**

Catalog Number: 6699

Members of the Department

Note: Consult the appropriate member of the Department.

***Anthropology 3500. Direction of Doctoral Dissertations**

Catalog Number: 1864

Members of the Department

Note: Consult the appropriate member of the Department.

***Anthropology 3502. Thesis Writing Workshop (China dissertations) - (New Course)**

Catalog Number: 7300

James L. Watson 2172 (on leave fall term) and members of the department

Half course (spring term). .



***Anthropology 3600. Current Issues in Biological Anthropology**

Catalog Number: 9373

Members of the Department

Half course (fall term; repeated spring term). Fall: Tu., at 12.

Weekly seminars in biological anthropology.

Applied Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the School of Engineering and Applied Sciences Offering Instruction in Applied Mathematics

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics (*on leave spring term*)

William H. Bossert, David B. Arnold, Jr. Professor of Science (*on leave fall term*)

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics (*Director of Undergraduate Studies*)

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science (*on leave spring term*)

Marie D. Dahleh, Lecturer on Engineering Sciences

Eric Michael Dunham, Lecturer on Applied Mathematics

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

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics

Navin Khaneja, Gordon McKay Professor of Electrical Engineering

Zhiming Kuang, Assistant Professor of Climate Science

L. Mahadevan, Lola England Professor of Applied Mathematics

Shreyas Mandre, Lecturer on Applied Mathematics

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics

Scott A. Norris, Lecturer on Applied Mathematics

David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences (*on leave fall term*)

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics

Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics (*on leave spring term*)

Zhigang Suo, Allen E. and Marilyn M. Puckett Professor of Mechanics and Materials

Vahid Tarokh, Perkins Professor of Applied Mathematics

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics



Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics

Patrick J. Wolfe, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

The School of Engineering and Applied Sciences (www.seas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. Engineering and Applied Sciences faculty also offer several courses in the section entitled Freshman Seminars, Extra-Departmental Courses, and House Seminars.

For information concerning the concentration in Applied Mathematics, please consult the Director of Undergraduate Studies or the Academic Office, School of Engineering and Applied Sciences, Pierce Hall 110. Many additional courses of interest to applied mathematicians can be found in the Computer Science, Engineering Sciences, Mathematics, and Statistics sections of the catalog.

Primarily for Undergraduates

Applied Mathematics 21a. Mathematical Methods in the Sciences

Catalog Number: 6395

Vahid Tarokh and Simon T. Yiu

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

Complex numbers. Multivariate calculus: partial differentiation, directional derivatives, techniques of integration and multiple integration. Vectors: dot and cross products, parameterized curves, line and surface integrals. Vector calculus: gradient, divergence and curl, Green's, Stokes' and Gauss' theorems, including orthogonal curvilinear coordinates.

Applications in electrical and mechanical engineering.

Note: May not be taken for credit by students who have passed Mathematics 21a. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent.

Applied Mathematics 21b. Mathematical Methods in the Sciences

Catalog Number: 5074

Vahid Tarokh and Simon T. Yiu

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

Linear algebra: matrices, determinants, eigenvalues, eigenvectors, Markov processes.

Optimization and least-squares analysis. Ordinary differential equations. Infinite series and Fourier series. Orthogonality and completeness. Introduction to partial differential equations.

Applications in electrical and mechanical engineering.

Note: May not be taken for credit by students who have passed Mathematics 21b. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Applied Mathematics 21a or equivalent.



Applied Mathematics 50 (formerly Applied Mathematics 50hf). Introduction to Applied Mathematics

Catalog Number: 9344

Michael P. Brenner and Marie D. Dahleh

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

Introduction to the problems and issues of applied mathematics. This will be accomplished both through the reading of papers that use mathematical arguments to have substantial impact on some field of human activity; as well as guest lecturers from around Harvard to discuss how mathematics is used in their field.

***Applied Mathematics 91r. Supervised Reading and Research**

Catalog Number: 7607

Michael P. Brenner and Marie D. Dahleh

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

An individual project of guided reading and research culminating in a substantial paper or other piece of work which can be meaningfully evaluated to assign a letter grade; may not be taken on a PA/FL basis. Students engaged in preparation of a senior thesis ordinarily should take Applied Mathematics 99r instead.

Note: May be taken as a half course in either term; normally may not be taken for more than two terms. Applications may be obtained at Pierce Hall 110. Students should consult their advisers and concentration literature for further information and guidance. Applications must be signed by the student, by the faculty member supervising the project (who will recommend the grade), and by the Director of Undergraduate Studies, who will sign the student's study card once the project and its method of evaluation have been approved.

***Applied Mathematics 99r. Thesis Research**

Catalog Number: 4648

Michael P. Brenner and Marie D. Dahleh

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

Provides an opportunity for students to engage in preparatory research and the writing of a senior thesis. Graded on a SAT/UNS basis as recommended by the thesis supervisor. The thesis is evaluated by the supervisor and by two additional readers.

Note: May be taken as a half course in either term; normally may not be taken for more than two terms. The Director of Undergraduate Studies will sign the student's study card once a faculty member has agreed in writing to supervise preparation of the thesis, and reaffirmed this agreement if the course is to be repeated. Applications may be obtained at Pierce Hall 110. Students should consult their advisers and concentration literature for further information and guidance.

For Undergraduates and Graduates

Applied Mathematics 101 (formerly Engineering Sciences 101). Statistical Inference for Scientists and Engineers

Catalog Number: 3350

Patrick J. Wolfe

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8



Introductory statistical methods for students in the applied sciences and engineering. Random variables and probability distributions; the concept of random sampling, including random samples, statistics, and sampling distributions; the Central Limit Theorem and its role in statistical inference; parameter estimation, including point estimation and maximum likelihood methods; confidence intervals; hypothesis testing; simple linear regression; and multiple linear regression. Introduction to more advanced techniques as time permits.

Note: May not be taken in addition to Engineering Sciences 101.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Applied Mathematics 105a. Complex and Fourier Analysis

Catalog Number: 7732

Scott A. Norris

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Complex Analysis: complex numbers, functions, mapping, differentiation, integration, branch cuts, series expansions, residue theory. Fourier Analysis: Fourier series, Fourier and Laplace transforms, applications to differential equations and data analysis.

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

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

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to abstract algebra and its applications. Sets, subsets, and partitions; mappings, operations, and equivalence relations; groups, rings, and fields, polynomials, encryption, computer coding, application of modular arithmetic, combinatorial designs, lattices, application of trellis representation of lattices, fast algorithms.

Note: Expected to be given in 2009–10.

Applied Mathematics 107. Graph Theory and Combinatorics

Catalog Number: 6411

Leslie G. Valiant

Half course (spring term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM

**GROUP: 12, 13**

Topics in combinatorial mathematics that find frequent application in computer science, engineering, and general applied mathematics. Specific topics taken from graph theory, enumeration techniques, optimization theory, combinatorial algorithms, and discrete probability.

Applied Mathematics 111. Introduction to Scientific Computing

Catalog Number: 7000

Zhiming Kuang

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Many complex physical problems defy simple analytical solutions or even accurate analytical approximations. Scientific computing can address certain of these problems successfully, providing unique insight. This course introduces some of the widely used techniques in scientific computing through examples chosen from physics, chemistry, and biology. The purpose of the course is to introduce methods that are useful in applications and research and to give the students hands-on experience with these methods.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b, or permission of instructor.

Applied Mathematics 115. Mathematical Modeling

Catalog Number: 1768

L. Mahadevan (fall term) and Eli Tziperman (spring term)

Half course (fall term; repeated spring term). Fall: M., W., 1–2:30; Spring: Tu., Th., 11:30–1.

EXAM GROUP: Fall: 6, 7; Spring: 13, 14

Abstracting the essential components and mechanisms from a natural system to produce a mathematical model, which can be analyzed with a variety of formal mathematical methods, is perhaps the most important, but least understood, task in applied mathematics. This course approaches a number of problems without the prejudice of trying to apply a particular method of solution. Topics drawn from mechanics, biology, economics and the behavioral sciences.

Prerequisite: Mathematics at least at the level of Applied Mathematics 21a,b. Additional skills in analysis, algebra, probability, statistics and computer programming will increase the value of the course to students.

[Applied Mathematics 120. Applicable Linear Algebra]

Catalog Number: 4378

Donald G. M. Anderson

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An algorithmic approach to topics in matrix theory which arise frequently in applied mathematics: linear equations, pseudoinverses, quadratic forms, eigenvalues and singular values, linear inequalities and optimization, linear differential and difference equations.

Note: Expected to be given in 2009–10. Offered in alternate years.

Prerequisite: Applied Mathematics 21b, or Mathematics 21b, or equivalent.

Applied Mathematics 121. Introduction to Optimization: Models and Methods

Catalog Number: 3187 Enrollment: Limited to 40.

Yiling Chen

Half course (spring term). M., W., 1–2:30.



Introduction to basic mathematical ideas and computational methods for solving deterministic and stochastic optimization problems. Topics covered: linear programming, integer programming, branch-and-bound, branch-and-cut, Markov chains, Markov decision processes, queuing theory. Emphasis on modeling. Examples from business, society, engineering, sports, e-commerce. Exercises in AMPL, complemented by Maple or Matlab.

Note: May not be taken in addition to Engineering Sciences 102.

Prerequisite: Applied Mathematics 21b or Mathematics 21b (linear algebra) and some knowledge of probability and statistics at the level of Statistics 110 or Engineering Sciences 101 or permission of instructor.

Applied Mathematics 147. Nonlinear Dynamical Systems

Catalog Number: 7708

Kenneth Norman Kamrin

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to nonlinear dynamical phenomena, covering the behavior of systems described by ordinary differential equations. Topics include: stability; bifurcations; chaos; routes to chaos and universality; approximations by maps; strange attractors; fractals. Techniques for analyzing nonlinear systems are introduced with applications to physical, chemical, and biological systems such as forced oscillators, chaotic reactions, and population dynamics.

Prerequisite: Mathematics 21a and 21b, or Applied Mathematics 21a and 21b.

Cross-listed Courses

Earth and Planetary Sciences 100. Computer Tools for Earth Sciences

MCB 111 (formerly MCB 211). Mathematics in Biology

Primarily for Graduates

Applied Mathematics 201. Physical Mathematics I

Catalog Number: 3241

Michael P. Brenner

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to methods for developing accurate approximate solutions for problems in the physical sciences that cannot be solved exactly. Topics include: complex function theory, approximate solution of integrals, algebraic equations, nonlinear differential equations, and qualitative methods.

Prerequisite: Applied Mathematics 105a, b or equivalent.

[Applied Mathematics 202. Physical Mathematics II]

Catalog Number: 6559

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Theory and techniques for finding exact and approximate analytical solutions of partial differential equations with numerical evaluation: eigenfunction expansions, Green functions, variational calculus, transform techniques, perturbation methods, characteristics, line asymptotic methods and selected nonlinear PDE's.



Note: Expected to be given in 2009–10.

Prerequisite: Applied Mathematics 105a and 105b, or equivalent.

[Applied Mathematics 204. Geometrical Methods in the Physical and Engineering Sciences]

Catalog Number: 1763

Jene A. Golovchenko

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to geometrical concepts used to model physical phenomena. Coordinate and coordinate-free geometrical objects, fields, flows, calculus on manifolds, metrics, connections, integrability, symmetry and continuous group structures, gauge fields. Applications: mechanics and field theories.

Note: Expected to be given in 2009–10. Undergraduate courses in linear algebra, multivariable calculus, classical/analytical mechanics, and a field theory like electromagnetism, fluid mechanics or quantum mechanics are strongly recommended.

Applied Mathematics 205. Practical Scientific Computing

Catalog Number: 1370

Shreyas Mandre

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Computational methods at a sophisticated analytic level. Practical exercises emphasized. A wide range of topics from linear algebra to Fourier analysis will be covered.

Prerequisite: Mathematics at the level of Applied Mathematics 105b. A previous course in computing is not required.

[Applied Mathematics 206. Advanced Applied Algebra and Combinatorics]

Catalog Number: 6018

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Sets, subsets, and partitions; mappings, operations, and equivalence relations; groups, rings, and fields, polynomials, encryption, computer coding, application of modular arithmetic, combinatorial designs, lattices, application of trellis representation of lattices, fast algorithms; selected readings.

Note: Expected to be given in 2009–10. Meets with Applied Mathematics 106. Students enrolled in Applied Mathematics 206 will be assigned additional readings.

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 2009–10. 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.

Prerequisite: Applied Mathematics 105a and 105b; Applied Mathematics 111 or 120 would be helpful, but not required.

[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 2010–11. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 or 210 would be helpful, but not required.

[Applied Mathematics 213. Topics in Numerical Mathematics]

Catalog Number: 1048

*Donald G. M. Anderson**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Analytical and numerical methods for the approximate solution of integral equations.

Note: Expected to be given in 2009–10. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 or 210 would be helpful, but not required.

Applied Mathematics 298r. Special Topics in Applied Mathematics: Self Assembly - (New Course)

Catalog Number: 3882

*Michael P. Brenner**Half course (spring term). M., W., 2:30–4.*

This course will study the theoretical and mathematical basis for self assembly, focusing on what is required to make engineering-based self assembly a reality. Three parts: foundations, engineering solutions, and biological assembly.

Prerequisite: Undergraduate statistical mechanics or permission of the instructor.

Applied Mathematics 299r. Special Topics in Applied Mathematics

Catalog Number: 5798

*Michael P. Brenner (spring term)**Half course (fall term; repeated spring term). Hours to be arranged.*

Supervision of experimental or theoretical research on acceptable applied mathematics problems and supervision of reading on topics not covered by regular courses of instruction.



Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the School of Engineering and Applied Sciences. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Mathematics 311,312. Numerical Mathematics: Analysis, Synthesis and Computation**

Cata,61180log Number: 7333

Donald G. M. Anderson 1061 (on leave spring term)

***Applied Mathematics 315,316. Stochastic Processes, Dynamical Systems, Applied Differential Geometry**

Cata,24590log Number: 2458

Roger W. Brockett 3001 (on leave spring term)

***Applied Mathematics 317,318. Special Topics in Physical Mathematics**

Cata,21660log Number: 9160

Michael P. Brenner 4101

***Applied Mathematics 319,320. Topics in Macroscopic Physics and Quantitative Biology**

Cata,45670log Number: 2084

L. Mahadevan 4758

***Applied Mathematics 321,322. Biological Applications of Mathematics and Automatic Computers**

Cata,42430log Number: 7615

William H. Bossert 1049 (on leave fall term)

***Applied Mathematics 323,324. Applied Mathematics in Physical Sciences**

Cata,52210log Number: 1149

Howard A. Stone 2073 (on leave spring term)

***Applied Mathematics 331,332. Theoretical Mechanics in the Earth and Engineering Sciences**

Cata,02510log Number: 0112

James R. Rice 7270

***Applied Mathematics 341,342. Applied Probability and Statistical Inference, Classical and Quantum Information Theory**

Cata,60330log Number: 0970

Navin Khaneja 4192



Applied Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the School of Engineering and Applied Sciences Offering Instruction in Applied Physics

Joanna Aizenberg, Gordon McKay Professor of Materials Science
 Michael J. Aziz, Gordon McKay Professor of Materials Science
 David C. Bell, Lecturer on Applied Physics (*spring term only*)
 Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics
 Federico Capasso, Robert L. Wallace Professor of Applied Physics
 Kenneth B. Crozier, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science
 Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
 Fawwaz Habbal, Senior Lecturer on Applied Physics
 Donhee Ham, John L. Loeb Associate Professor of the Natural Sciences
 Lene V. Hau, Mallinckrodt Professor of Physics and of Applied Physics
 Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
 Zhiming Kuang, Assistant Professor of Climate Science
 Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
 Marko Loncar, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 Vinodhan N. Manoharan, Assistant Professor of Physics and Chemical Engineering
 Eric Mazur, Gordon McKay Professor of Applied Physics and Professor of Physics
 Ian D. Morrison, Lecturer on Applied Physics
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics
 Daniel Joseph Needleman, Assistant Professor of Applied Physics (*SEAS*) and of Molecular and Cellular Biology (*FAS*)
 David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
 Peter S. Pershan, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)
 Shriram Ramanathan, Assistant Professor of Materials Science on the Gordon McKay Endowment
 James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
 Frans A. Spaepen, John C. and Helen F. Franklin Professor of Applied Physics
 Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics (*on leave*)



spring term)

Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics

David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics (*on leave 2008-09*)

Robert M. Westervelt, Mallinckrodt Professor of Applied Physics and of Physics

Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Other Faculty Offering Instruction in Applied Physics

Eugene A. Demler, Professor of Physics

The School of Engineering and Applied Sciences (www.seas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Engineering and Applied Sciences faculty also offer several courses in the section entitled Freshman Seminars, Extra-Departmental Courses, and House Seminars.

For Undergraduates and Graduates

Applied Physics 195. Introduction to Solid State Physics

Catalog Number: 1842

Robert M. Westervelt

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, superconductivity.

Note: Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a formal course in solid state physics, are strongly advised to take this course first. Students may wish to take Physics 195, whose content is very similar, when this course is bracketed.

Cross-Listed Courses

Applied Mathematics 147. Nonlinear Dynamical Systems

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate]

Primarily for Graduates

Additional courses of interest to graduate students in Applied Physics include: Applied Mathematics 203, Engineering Sciences 220, 225r, 240, 241, 242r, 246, 247, and 274.

**Applied Physics 216. Modern Optics and Quantum Electronics**

Catalog Number: 4691

*Lene V. Hau**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Optical systems and lasers have recently revolutionized both technology and basic research. We cover the fundamental physics, and topics include Fourier optics, optical cavities and lasers.

Non-linear optics. Optics with nanostructures. Optics for bio-molecule studies.

Prerequisite: A class in electromagnetism/electrodynamics.

[Applied Physics 217. Applications of Modern Optics]

Catalog Number: 6965

*Lene V. Hau**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Optics in biology, single-molecule studies. Polymerase/DNA, optical trapping of molecules, Raman spectroscopy, 2-photon microscopy for brain studies and cell imaging. Nano-optics.

Atom interferometry, navigational gyroscopes. Frequency combs, atom clocks, global positioning system.

Note: Expected to be given in 2009–10.

Prerequisite: A course in electromagnetism.

Applied Physics 218. Electrical, Optical, and Magnetic Properties of Materials

Catalog Number: 9804

*Shriram Ramanathan**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Classical and quantum description of electrical, optical and magnetic properties, and their fundamental physical origins; experimental techniques. Properties of compositionally complex materials such as ceramics. Structure-property relations. Applications in semiconductor, information storage, energy industries.

Prerequisite: Introductory solid-state physics or equivalent course.

Applied Physics 225. Introduction to Soft Matter

Catalog Number: 5298

*Ian D. Morrison**Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8*

Introduction to soft condensed matter, or “complex fluids,” including polymers, colloids, liquid crystals, and biological structures. Emphasis on physical principles that govern bulk behavior.

Students will understand the concepts, experimental techniques, and open questions.

Prerequisite: Knowledge of thermodynamics with basic statistical mechanics and some familiarity with Fourier transforms and differential equations.

Applied Physics 226. Introduction to Soft Matter - Capillarity and Wetting - (New Course)

Catalog Number: 5796

*Ian D. Morrison**Half course (spring term). M., W., 2:30–4.*

Consider phenomena strongly influenced by surface tensions, high curvatures, thin films,



diffusion, adsorption, wetting, which are variously mobile, dynamic, polymeric, transient, fragile. Emphasis on the physics, thermodynamics, rheological and scaling laws that govern bulk behavior.

Prerequisite: Knowledge of thermodynamics and basic statistical mechanics and some familiarity with phase diagrams and differential equations.

Applied Physics 235. Chemistry in Materials Science and Engineering - (New Course)

Catalog Number: 5081

Joanna Aizenberg

Half course (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7

Select topics in materials chemistry, focusing on chemical bonds, crystal chemistry, organic and polymeric materials, hybrid materials, nanochemistry, surfaces and interfaces, colloidal chemistry, self-assembly, electrochemistry, biomaterials, and bio-inspired materials synthesis.

Prerequisite: Introductor thermodynamics, chemistry or equivalent.

Applied Physics 282. Solids: Structure and Defects

Catalog Number: 5737

Frans A. Spaepen

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Bonding, crystallography, diffraction, phase diagrams, microstructure, point defects, dislocations, grain boundaries.

Note: Intended for students in applied mechanics, materials science, condensed matter physics, and chemistry.

[Applied Physics 284. Statistical Thermodynamics]

Catalog Number: 2257

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; Bose-Einstein condensation.

Note: Expected to be given in 2009–10. Students may wish to take Physics 262 when this course is bracketed.

Prerequisite: Ordinarily, Physics 143a,b and Physics 181 or Engineering Sciences 181.

Applied Physics 291. Electron Microscopy Laboratory

Catalog Number: 1761 Enrollment: Limited to 15.

David C. Bell

Half course (spring term). M., 2–3:30, and a 3-hour laboratory session to be arranged. EXAM GROUP: 7, 8

Lectures and laboratory instruction on transmission electron microscopy (TEM) and microanalysis. Students perform experiments with the TEM including; diffraction, dark field imaging, X-ray spectroscopy, atomic imaging, materials sample preparation, polymers and biological samples.

Note: Primarily for graduate students planning to use materials analysis in their research.



Applied Physics 292. Kinetics of Condensed Phase Processes

Catalog Number: 3733

Michael J. Aziz

Half course (spring term). M., W., 10–12, and occasional laboratory to be arranged. EXAM GROUP: 3, 4

Kinetic principles underlying atomic motions, transformations, and other atomic transport processes in condensed phases. Application to atomic diffusion, continuous phase transformations, nucleation, growth, coarsening, and other kinetic phenomena in bulk, thin film, and surface states.

Prerequisite: An undergraduate-level course in thermodynamics.

[Applied Physics 293. Deformation of Solids]

Catalog Number: 6796

Frans A. Spaepen

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Phenomenology and theory of the mechanisms by which solids can deform, including elastic deformation, microscopic dislocation glide and the kinetics of slip, dislocation and diffusional creep; deformation mechanism maps; fracture.

Note: Expected to be given in 2009–10.

Prerequisite: Knowledge of thermodynamics and elements of crystal structure.

***Applied Physics 294hfr. Materials Science Seminar**

Catalog Number: 4924

Frans A. Spaepen and Michael J. Aziz

Half course (throughout the year). Th., at 1. EXAM GROUP: 15

Special topics in materials science.

Prerequisite: Consult with course heads.

Applied Physics 295a. Introduction to Quantum Theory of Solids

Catalog Number: 6937

Efthimios Kaxiras

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Properties of solids, electrical, optical, thermal, magnetic, mechanical, are treated based on an atomic scale picture and using the single electron approximation. Metals, semiconductors, and insulators are covered, including special topics such as superconductivity.

Prerequisite: Applied Physics 195 or equivalent, and one full quantum mechanics graduate level course similar to Physics 251a. Physics 251b may be taken concurrently.

Applied Physics 295b. Quantum Theory of Solids

Catalog Number: 3610

Eugene A. Demler

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Theoretical description of solids focusing on the effects of interactions between electrons, including dielectric response, magnetism, and superconductivity. Subjects from the physics of strongly correlated systems of ultracold atoms will also be considered.

Prerequisite: Applied Physics 295a, Physics 251a and 251b, or permission of instructor.



Applied Physics 298r. Interdisciplinary Chemistry, Engineering and Physics: Seminar

Catalog Number: 7500

Robert M. Westervelt and members of the Faculty

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Lectures on Nanoscale Science and Engineering will present the fundamental concepts, with examples from current research in three areas: Tools for Integrated Nanobiology, Nano Building Blocks, and Imagining at the Nanoscale.

Note: A paper and oral presentation will be required. In 2009, Nanoscale Science and Engineering Research will be presented.

Applied Physics 299r. Special Topics in Applied Physics

Catalog Number: 2103

Michael J. Aziz

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable applied physics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the School of Engineering and Applied Sciences. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Cross-Listed Courses

Physics 232 (formerly Physics 232a). Advanced Classical Electromagnetism

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Physics 301,302. Ultrafast Electronic Devices**

Cata,60680log Number: 6859

Donhee Ham 4519

***Applied Physics 303,304. Materials Science of Biological Inorganic Nanostructures**

Cata,93060log Number: 3564

Joanna Aizenberg 5876

***Applied Physics 321,322. Materials Physics and Engineering - (New Course)**

Cata,73580log Number: 4448

David R. Clarke 6684

***Applied Physics 323,324. Topics in Materials Science**

Cata,59700log Number: 5947

Shriram Ramanathan 5341



***Applied Physics 325,326. Optics with Cold Atoms, Nano-structures, and Bio-molecules**

Cata,76690log Number: 0488

Lene V. Hau 2151

***Applied Physics 329,330. Heterogeneous Nanophotonic Devices and Bio-templated Electronic Materials - (New Course)**

Cata,18700log Number: 4370

Evelyn Hu 6682

***Applied Physics 331,332. Experimental Condensed Matter Physics**

Cata,15600log Number: 0467

Robert M. Westervelt 6148

***Applied Physics 333,334. Electronic Properties of Nanostructures, Interaction of Biomolecules with Nanostructures, and X-Ray Physics**

Cata,61260log Number: 1033

Jene A. Golovchenko 1986

***Applied Physics 335,336. Theoretical Study of the Structure and Electronic Properties of Nanoscale Materials and Biological Macromolecules**

Cata,79030log Number: 7902

Efthimios Kaxiras 3050

***Applied Physics 337,338. Growth and Properties of Nanostructures and Nanostructure Assemblies; Development and Application of New Probe Microscopies; Biophysics**

Cata,30510log Number: 3050

Charles M. Lieber 3102

***Applied Physics 339,340. Topics in Electromagnetic Theory**

Cata,31270log Number: 4258

Tai T. Wu 1051 (on leave spring term)

***Applied Physics 341,342. Nano-Lasers and Single-Photon Sources**

Cata,06500log Number: 1441

Marko Loncar 5703

***Applied Physics 343,344. Topics in Electromagnetic Theory and Molecular Spectroscopy**

Cata,42130log Number: 2695

Patrick Thaddeus 1398

***Applied Physics 347,348. Mechanics in Earth and Environmental Science**

Cata,35140log Number: 4033

James R. Rice 7270



***Applied Physics 351,352. Statistical and Condensed Matter Theory**

Cata,39930log Number: 3992

Paul C. Martin 2103 (on leave fall term)

***Applied Physics 355,356. Special Topics in Theoretical Engineering**

Cata,91970log Number: 4864

Michael P. Brenner 4101

***Applied Physics 357,358. Nanophotonics**

Cata,55930log Number: 3865

Kenneth B. Crozier 5146

***Applied Physics 359,360. Nonlinear Laser Physics and Materials Engineering**

Cata,35250log Number: 5760

Eric Mazur 7952

***Applied Physics 361,362. Photonics, Quantum Devices and Nanostructures**

Cata,95060log Number: 9431

Federico Capasso 4571

***Applied Physics 363,364. Experimental Soft Condensed Matter Physics**

Cata,72420log Number: 8975

David A. Weitz 2497 (on leave 2008-09)

***Applied Physics 365,366. Experimental Condensed Matter: Ballistic Transport in Semiconductors, Nanostructures, and Tunneling Microscopy**

Cata,04250log Number: 9195

Venkatesh Narayanamurti 5445

***Applied Physics 367,368. Topics on Condensed Matter Physics**

Cata,41730log Number: 6975

David R. Nelson 5066

***Applied Physics 369,370. Experimental Condensed Matter: Synchrotron X-Ray Scattering Studies of Interfacial Phenomena (Liquids and Solid)**

Cata,75320log Number: 2442

Peter S. Pershan 1105 (on leave spring term)

***Applied Physics 371,372. Biological Physics and Quantitative Biology - (New Course)**

Cata,90400log Number: 6003

Daniel Joseph Needleman 6151

***Applied Physics 381,382. Special Topics in Fluid Dynamics**

Cata,26680log Number: 4554

Howard A. Stone 2073 (on leave spring term)



***Applied Physics 383,384. Topics in Atmospheric and Climate Dynamics**

Cata,32210log Number: 3214

Zhiming Kuang 5285

***Applied Physics 387,388. Climate Dynamics and Physical Oceanography**

Cata,85990log Number: 3549

Eli Tziperman 4748

***Applied Physics 391,392. Experimental Soft Condensed Matter and Materials Physics**

Cata,55590log Number: 1164

Vinothan N. Manoharan 5251

***Applied Physics 393,394. Experimental Studies of Interfaces and Surfaces**

Cata,54510log Number: 1331

Cynthia M. Friend 7446

***Applied Physics 395,396. Topics in Materials Science**

Cata,50030log Number: 4012

Michael J. Aziz 1337

***Applied Physics 397,398. Materials Science**

Cata,50100log Number: 4266

Frans A. Spaepen 4991

Archaeology

AN HISTORICAL EDITION OF FAS COURSES OF EDITION

Faculty of the Committee on Archaeology

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies (*Chair*) (*on leave spring term*)

Richard H. Meadow, Senior Lecturer on Anthropology (*acting chair*)

Ruth Bielfeldt, Assistant Professor of History of Art and Architecture

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology



Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages (*on leave 2008-09*)

Michael McCormick, Francis Goelet Professor of Medieval History (*on leave 2008-09*)

Laura S. Nasrallah, Assistant Professor of New Testament and Early Christianity

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Irene J. Winter, William Dorr Boardman Professor of Fine Arts

The Committee on Archaeology is a multidisciplinary group of scholars appointed to promote the teaching of archaeology at Harvard and advance knowledge of archaeological activity, research, fieldwork, and techniques in the many and varied fields where archaeology is employed as an approach to past cultures and histories around the world. Archaeology can be seen as the study of past human societies through the recovery, analysis, and interpretation of material remains. Those who practice archaeology employ a wide range of methods, techniques, and theoretical orientations drawn from across the spectrum of academic disciplines to further their specific intellectual goals. Likewise, scholars of many disciplines who do not consider themselves to be practicing archaeologists nevertheless use the results of archaeological work in their teaching and research.

The teaching of archaeology at Harvard is centered in four departments (programs thereof): Anthropology (Archaeology), The Classics (Classical Archaeology), History of Art and Architecture, and Near Eastern Languages and Civilizations (Ancient Near Eastern and Biblical Studies), although a number of other departments, as well as the Core Curriculum, also have courses whose instructors integrate archaeological subject matter into their offerings.

The listing below is a compilation of courses in which the practice of archaeology is taught or the use of archaeological information is integral. The interested student is urged to consult the full listings of the various departments for related courses, relevant undergraduate tutorials, and graduate-level reading courses. The courses listed below are ordinarily acceptable for the Secondary Field in Archaeology with the approval of the Secondary Field Adviser. Additional courses including courses in other departments may also be deemed acceptable. See <http://www.secondaryfields.fas.harvard.edu/Arch/program-desc-arch.htm> for information about the Secondary Field in Archaeology.

Core Curriculum

Foreign Cultures 34. Mesoamerican Civilizations

[Foreign Cultures 79. Historical and Musical Paths on the Silk Road]

[Foreign Cultures 86. West African Cultures]

Foreign Cultures 93. Pathways through the Andes—History, Culture, and Politics in Andean South America

Historical Study A-13. China: Traditions and Transformations

Historical Study A-16. Modern South Asia in Global History

Literature and Arts B-21. The Images of Alexander the Great

[Literature and Arts B-27. Majesty and Mythology in African Art]

Literature and Arts C-61. The Rome of Augustus

[Science B-27. Human Evolution]



Science B-29. Evolution of Human Nature

[Science B-64. Feeding the World; Feeding Yourself]

Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States

Social Analysis 74. Visible Language: Writing Systems, Scripts, and Literacy

Freshman Seminars

***Freshman Seminar 38g. Back to Life: Lost Languages and Decipherment**

Anthropology

Anthropology 1010. Introduction to Archaeology

***Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar**

[Anthropology 1040. Origins of the Food We Eat]

[Anthropology 1045. Ancient Settlement Systems: Seminar]

Anthropology 1060. Archaeological Science

[Anthropology 1085. Six Great Discoveries in New World Archaeology]

[Anthropology 1090. Ethnography and Archaeology]

[Anthropology 1120. Comparative Analysis of Ancient Civilizations]

[Anthropology 1130. Archaeology of Harvard Yard]

[Anthropology 1131. Archaeology of Harvard Yard II: Laboratory Methods and Analysis]

Anthropology 1165. Digging the Glyphs: Adventures in Decipherment

Anthropology 1174. The Incas

[Anthropology 1175. The Archaeology of Ethnicity]

[Anthropology 1177. South American Archaeology]

[Anthropology 1210. The Archaeology of Ancient China]

[Anthropology 1220. The Record of the Material Culture: Lithics, Pottery, Metallurgy]

***Anthropology 2000. Osteoarchaeology Lab**

Anthropology 2010ar. Materials in Ancient Societies: Ceramics

Anthropology 2010br. Materials in Ancient Societies: Ceramics

***Anthropology 2020 (formerly Anthropology 1065). GIS and Spatial Analysis in Archaeology**

[*Anthropology 2070a. Archaeological Method and Theory: Seminar]

[Anthropology 2092. Early China: Archaeology and Texts]

Anthropology 2110r (formerly Anthropology 211r). Issues in Mesoamerican Archaeology: Seminar

[Anthropology 2115. Origins of Andean Complex Societies]

[Anthropology 2175. The Inca Quipu]

Religion 1400. Introduction to the New Testament: History and Interpretation

Celtic Languages and Literatures

[Celtic 107. Early Irish History]

The Classics



[Classical Archaeology 97r. Classical Archaeology](#)

[*Classical Archaeology 351. Classical Archaeology: Proseminar](#)

[*Classical Studies 97a \(formerly *Classics 97a\). Greek Culture and Civilization](#)

East Asian Languages and Civilizations

[*Classical Archaeology 351. Classical Archaeology: Proseminar](#)

[Korean History 111. Traditional Korea](#)

History

[*Classical Archaeology 351. Classical Archaeology: Proseminar](#)

[*History 80a \(formerly *History 1051\). Roman Imperialism](#)

[History 1010 \(formerly History 1085\). The Roman Empire, Augustus to Constantine](#)

[History 1040 (formerly History 1111). The Fall of the Roman Empire]

[History 1050 (formerly History 1101). Medieval Europe]

History of Art and Architecture

[*Classical Archaeology 351. Classical Archaeology: Proseminar](#)

[History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia](#)

[*History of Art and Architecture 101. The Materials of Art]

[*History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar](#)

[History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec](#)

[*History of Art and Architecture 271m. Architecture, Display, and Mass Culture in 19th/20th c.]

[*History of Art and Architecture 292p. Topics in Pre-Columbian Andean Art in the Peabody Museum]

Human Evolutionary Biology

[*Classical Archaeology 351. Classical Archaeology: Proseminar](#)

[Human Evolutionary Biology 1315. Ecology of Modern Hunter Gatherers]

[Human Evolutionary Biology 1414. Evolution of Human Diet: Research Seminar](#)

[*Human Evolutionary Biology 1580 \(formerly *Anthropology 1580\). Paleoecology and Human Evolution](#)

Medieval Studies

[*Classical Archaeology 351. Classical Archaeology: Proseminar](#)

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

Near Eastern Languages and Civilizations



[Ancient Near East 90. History, Kingship, and the Gods in the Ancient Near East]
[Ancient Near East 100. History of the Ancient Near East: Mesopotamia]
[Ancient Near East 101. Introduction to Mesopotamian Archaeology]
[Ancient Near East 102. Introduction to Mesopotamian Religion]
[\[Ancient Near East 105. History of the Ancient Near East: The Levant \(up to Alexander the Great\)\]](#)
[Ancient Near East 109r. History and Archaeology of the Ancient Near East]
[\[Ancient Near East 115. Archaeology of the Levant \(Syria-Palestine\)\]](#)
[Ancient Near East 117. Biblical Archaeology]
[Ancient Near East 118. Syro-Palestinian Pottery]
[*\[Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar\]](#)

The Study of Religion

[\[Religion 1400. Introduction to the New Testament: History and Interpretation\]](#)
[Religion 1409. The New Testament, Biblical Studies, and Empire: Seminar]

Asian Studies Programs

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Council on Asian Studies

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (FAS) in the Faculty of Medicine (*Medical School*) (*Chair*)

Ryuichi Abe, Reischauer Institute Professor of Japanese Religions

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Theodore C. Bestor, Professor of Anthropology

Barry R. Bloom, Joan L. and Julius H. Jacobson Professor of Public Health, and Dean of the Faculty of Public Health (*Public Health*)

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations

Sugata Bose, Gardiner Professor of Oceanic History and Affairs

Mary C. Brinton, Reischauer Institute Professor of Sociology (*on leave 2008-09*)

James K. M. Cheng, Librarian of the Harvard-Yenching Library

Preston Scott Cohen, Gerald M. McCue Professor in Architecture (*Design School*)

Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society

Carter J. Eckert, Yoon Se Young Professor of Korean History (*on leave spring term*)

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*on leave spring*)



term)

Shengli Feng, Professor of the Practice of Chinese Language

Byron J. Good, Professor of Medical Anthropology in the Department of Social Medicine
(*Medical School*)

Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)

Andrew Gordon, Lee and Juliet Folger Fund Professor of History

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society

Henrietta Harrison, Professor of History (*on leave fall term*)

Ricardo Hausmann, Professor of the Practice of Economic Development (*Kennedy School*)

Michael Herzfeld, Professor of Anthropology

William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)

C.-T. James Huang, Professor of Linguistics

Wilt L. Idema, Professor of Chinese Literature

Wesley M. Jacobsen, Professor of the Practice of Japanese Language

Alastair Iain Johnston, Governor James Albert Noe Sr. and Linda and Christel Noe Laine Kelley
Professor of China in World Affairs

Tarun Khanna, Professor of Business Administration (*Business School*)

Sun Joo Kim, Associate Professor of Korean History

William C. Kirby, T. M. Chang Professor of China Studies (*FAS*) and Spangler Family Professor
of Business Administration (*Business School*), Harvard University Distinguished Service
Professor

Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History

Wai-ye Li, Professor of Chinese Literature

Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science

David McCann, Korea Foundation Professor of Korean Literature

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Anne E. Monius, Professor of South Asian Religions (*Divinity School*)

Robert D. Mowry, Alan J. Dworksy Curator of Chinese Art, Arthur M. Sackler Museum

Stephen Owen, James Bryant Conant University Professor

Elizabeth J. Perry, Henry Rosovsky Professor of Government

Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics

Michael J. Puett, Professor of Chinese History (*on leave 2008-09*)

J. Mark Ramseyer, Professor of Japanese Legal Studies (*Law School*)

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*)

Mary M. Steedly, Professor of Anthropology (*on leave 2008-09*)

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History

Xiaofei Tian, Professor of Chinese Literature

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian
Studies (*on leave fall term*)

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies

David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature (*on leave spring
term*)

Eugene Wang, Abby Aldrich Rockefeller Professor of Asian Art

James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank



Professor of Chinese Society (*on leave fall term*)

Martin K. Whyte, Professor of Sociology

Michael Witzel, Wales Professor of Sanskrit, Contin Ed/Spec Prog Instructor (*on leave fall term*)

Richard K. Wolf, Professor of Music (*on leave fall term*)

The Council on Asian Studies was created by resolutions of the Faculty of Arts and Sciences of April 12, 1972, and April 25, 2001. It exists to coordinate, advise, and promote teaching and research on Asia. It is comprised of faculty members from different departments of the FAS and from several schools of the University who study East Asia, Southeast Asia, South Asia, and Inner Asia. It oversees or advises several academic programs mentioned below, and it provides faculty oversight to the Harvard University Asia Center.

The AM program in Regional Studies—East Asia is supervised by the Council and is described below.

The AB Concentration in East Asian Studies is advised and supported by the Council, and is described under East Asian Languages and Civilizations. Courses on East Asian languages, early history, literature, and thought are listed under East Asian Languages and Civilizations.

Programs in South Asian Studies and in Inner Asian and Altaic Studies are advised and supported by the Council and are listed separately in the catalog.

Other courses in Asian Studies are listed under the Core Curriculum, Anthropology, Economics, Government, History, History of Art and Architecture, Linguistics, Psychology, Sociology, the Study of Religion, and other departments.

The Harvard University Asia Center was created in 1997. Its Steering and Executive Committees are drawn from the Faculty of the Council on Asian Studies. The Center coordinates and supports research, teaching, and public programs on Asia throughout the University. The Center sponsors lectures, seminars, and conferences; supports faculty and student research; publishes books and journals; funds research and travel grants to undergraduate and graduate students; administers Harvard's National Resource Center for East Asian Studies, and manages the competition for Title VI Foreign Language and Area Studies Fellowships for graduate and professional students. The Center publishes a bi-weekly calendar of events during the Academic Year. The Asia Center is located at the Center for Government and International Studies (CGIS), 1730 Cambridge Street, room S113.

Faculty of the Standing Committee on the Degree of Master of Arts in Regional Studies—East Asia

David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature (*Chair*) (*on leave spring term*)

David McCann, Korea Foundation Professor of Korean Literature (*Acting Chair*)

Henrietta Harrison, Professor of History (*on leave fall term*)

Sun Joo Kim, Associate Professor of Korean History

Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History



Yukio Lippit, Harris K. Weston Associate Professor of the Humanities (*on leave 2008-09*)
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
Karen Thornber, Assistant Professor of Comparative Literature
Xiaofei Tian, Professor of Chinese Literature

The program in Regional Studies–East Asia, leading to a Master of Arts degree, is a basic preparation (1) for students who intend to go on to PhD work in an East Asian specialization; and (2) for students who wish to equip themselves for nonacademic work. The program, which normally requires two years for completion, aims to make the student broadly conversant with the societies of the region, and also to give him or her a sound knowledge of one of the languages of the area. Details may be obtained from the Committee's offices at 1730 Cambridge Street, Cambridge, MA, 02138 or 617-495-3777.

Faculty of the Standing Committee on the Degree of Doctor of Philosophy in History and East Asian Languages

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*Chair*) (*on leave spring term*)
Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations
Carter J. Eckert, Yoon Se Young Professor of Korean History (*on leave spring term*)
Andrew Gordon, Lee and Juliet Folger Fund Professor of History
Henrietta Harrison, Professor of History (*on leave fall term*)
William C. Kirby, T. M. Chang Professor of China Studies (*FAS*) and Spangler Family Professor of Business Administration (*Business School*), Harvard University Distinguished Service Professor
Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
Michael J. Puett, Professor of Chinese History (*on leave 2008-09*)
Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History

As of 2006, the Standing Committee on the PhD in History and East Asian Languages is not accepting new applications to the program. Interested students should consult the listing for the Department of East Asian Languages and Civilizations under “Degree in History and East Asian Languages” in the Graduate School of Arts and Sciences Handbook.

Graduate Courses of Reading and Research

***Regional Studies — East Asia 300. Reading and Research**

Catalog Number: 4614

Members of the Committee

Designed to provide students with the opportunity to do reading and research in an approved area of their choice under the direction of a member of the Committee.

Note: Limited to students affiliated with the Regional Studies-East Asia program.

***Regional Studies — East Asia 310. Thesis Development**

Catalog Number: 8453

Members of the Committee



Designed to allow students to develop previous research or a previously written paper into the AM thesis, under the direction of an appropriate faculty advisor.

Note: Limited to students affiliated with the Regional Studies-East Asia program. Counts as course credit, but not towards the basic course requirements for the degree.

Astronomy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Astronomy

James M. Moran, Donald H. Menzel Professor of Astrophysics (*Chair*)
 Charles Alcock, Professor of Astronomy
 Edo Berger, Assistant Professor of Astronomy
 David Charbonneau, Thomas D. Cabot Associate Professor of Astronomy (*Director of Undergraduate Studies*)
 Alexander Dalgarno, Phillips Professor of Astronomy
 Douglas Finkbeiner, Assistant Professor of Astronomy
 Alyssa A. Goodman, Professor of Astronomy (*on leave spring term*)
 Jonathan E. Grindlay, Paine Professor of Practical Astronomy
 Lars Hernquist, Professor of Astronomy
 John P. Huchra, Robert O. and Holly Thomis Doyle Professor of Cosmology (*Director of Graduate Studies*)
 Robert P. Kirshner, Harvard College Professor and Clowes Professor of Science
 Julia C. Lee, Assistant Professor of Astronomy
 Abraham Loeb, Professor of Astronomy
 Ramesh Narayan, Thomas Dudley Cabot Professor of the Natural Sciences
 Dimitar D. Sasselov, Professor of Astronomy
 Irwin I. Shapiro, Timken University Professor
 Christopher Stubbs, Professor of Physics and of Astronomy
 Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy
 Matias Zaldarriaga, Professor of Astronomy and of Physics

Other Faculty Offering Instruction in the Department of Astronomy

Lori E. Allen, Lecturer on Astronomy
 Raymond Blundell, Lecturer on Astronomy
 Thomas M. Dame, Lecturer on Astronomy
 Rosanne DiStefano, Lecturer on Astronomy
 Martin S. Elvis, Lecturer on Astronomy



Daniel G. Fabricant, Lecturer on Astronomy
 Giovanni G. Fazio, Lecturer on Astronomy
 Christine Jones Forman, Lecturer on Astronomy
 William Richard Forman, Lecturer on Astronomy
 Lincoln J. Greenhill, Lecturer on Astronomy
 Matthew Holman, Lecturer on Astronomy
 Kate Kirby, Lecturer on Astronomy
 David W. Latham, Lecturer on Astronomy
 Myron Lecar, Lecturer on Astronomy
 Jeffrey E. McClintock, Lecturer on Astronomy
 Philip M. Sadler, Frances W. Wright Senior Lecturer on Celestial Navigation
 Patrick O. Slane, Lecturer on Astronomy
 David J. Wilner, Lecturer on Astronomy
 Qizhou Zhang, Lecturer on Astronomy

Astronomy 1, 2, 7 and Science A-35, A-36, A-47 and A-54 provide a variety of approaches toward introducing the substance of astronomy and astrophysics to interested students. They are aimed at nonconcentrators with curiosity about the contents of the universe and its underlying organization. None of these courses presumes a knowledge of algebra more extensive than that used in a high school physics course. Astronomy 16 is aimed at freshman (and others) who are taking (or have taken) Physics 15a and are considering the concentration. Astronomy 97 (the Introductory Tutorial) is open to sophomores and freshmen who are taking (or have taken) Physics 15a or the equivalent and are considering the concentration or a combined concentration. Astronomy 98 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 145, 150, 151, 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 23a,b) at the earliest opportunity.

Primarily for Undergraduates

[Astronomy 1. The Astronomical Universe]

Catalog Number: 4287

Half course (spring term). Hours to be arranged.

A general introductory course for non-science concentrators, which provides a basic understanding of the main phenomena in our Universe. Topics include the Big Bang, the evolution of the Universe and its composition, quasars and black holes, the formation of galaxies, stars and planets, the production of organic matter in space and its links to the origin of life. Basic principles of physics and observational astronomy will be given, but only elementary algebra is used.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.

**Astronomy 2. Celestial Navigation**

Catalog Number: 2179 Enrollment: Limited to 30.

Philip M. Sadler and assistants

Half course (fall term). Tu., 11:30–1:30, and Tu., 7–10 pm. EXAM GROUP: 13, 14, 18

Never be lost again! Find your way on sea, land, or air by employing celestial and terrestrial techniques. Acquire expertise in using navigators' tools (sextant, compass, and charts) while learning the steps to the celestial dance of the sun, moon, stars, and planets. This 107-year-old course continues to rely on practical skills and collaborative problem-solving, while utilizing historical artifacts (instruments, maps, captains' logs) and student-built devices.

Note: Minimal lecturing; predominantly practical laboratory activities with individual attention from teaching staff. Math beyond high school trigonometry and geometry unnecessary. Some familiarity with sailing and/astronomy is helpful.

Astronomy 7. Black Holes and the Violent Universe

Catalog Number: 6873

Julia C. Lee

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Observations of the Universe reveal a host of compact objects with deep gravitational potential wells: black holes, neutron stars, white dwarfs. A number of energetic phenomena are seen to be associated with these remarkable objects. The course will survey the field and will describe the underlying physical principles, including ideas from relativity, which allow us to understand the observations.

Astronomy 16. Introduction to Stellar and Planetary Astronomy

Catalog Number: 8813

David Charbonneau

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

This course provides an introduction to the basic astrophysical principles describing the formation and evolution of stars and their planetary companions. Topics include thermal radiation and stellar spectra, telescopes, energy generation in stars, stellar evolution and black holes, orbital dynamics, the physics of bodies within the Solar system, and extrasolar planets. This course includes a significant observational component: Students will detect exoplanets and study stellar evolution with the Clay Telescope atop the Science Center, and use the millimeter-wavelength telescope at the Harvard-Smithsonian Center for Astrophysics to determine the mass of the Milky Way.

Prerequisite: Physics 15a or equivalent, may be taken concurrently.

***Astronomy 91r. Supervised Reading and Research**

Catalog Number: 1545

James M. Moran and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading and research in subjects not normally included in the regular course offerings of the department.

Note: Students must arrange for course supervision with an individual member of the Department. The course may not be counted for the concentration requirements except by special permission and may not be taken more than twice.



***Astronomy 97. Introductory Tutorial**

Catalog Number: 6604

Edo Berger

Half course (spring term). W., F., 2–4. EXAM GROUP: 7, 8

Students will learn the basic techniques of astronomical data analysis, and how measurable properties of stars relate to their physical properties. This is a hands-on class with an introduction to the Unix operating system, astronomical optics, detectors, signal to noise considerations, and image analysis. Culminates in a project at the end of the course, and a written paper.

Note: Open to sophomore concentrators and others (including freshmen with Physics 15a or advanced placement) considering the concentration or a combined concentration.

Prerequisite: Physics 15a, b or equivalent (may be taken concurrently).

***Astronomy 98. Tutorial — Junior Year**

Catalog Number: 3121

David Charbonneau and members of the Department

Half course (spring term). M., 3–4:30, W., 5:30–7:30 p.m. EXAM GROUP: 8, 9

This tutorial introduces students to research at the forefront of astrophysics. Students meet weekly for a lecture and discussion over dinner with a faculty member, preceded by a reading and a preparatory seminar. Students will be mentored throughout the term on a research project of their choosing. The Harvard-Smithsonian Center for Astrophysics is home to one of the largest groups of astronomers in the world, providing extensive opportunities for undergraduate research.

Note: Normally a required course for junior concentrators in Astronomy. Open in special cases to concentrators in other physical sciences.

***Astronomy 99. Tutorial — Senior Year**

Catalog Number: 5413

David Charbonneau and members of the Department

Full course. Hours to be arranged.

For honors candidates in Astronomy. Individually supervised reading and research leading to the honors thesis.

Prerequisite: Astronomy 98.

Cross-listed Courses

Science A-35. The Energetic Universe

Science A-36. Observing the Sun and the Stars

[Science A-47. Cosmic Connections]

[Science A-54. Life as a Planetary Phenomenon]

For Undergraduates and Graduates

Astronomy 145. Topics in Astrophysics

Catalog Number: 0212

Abraham Loeb

Half course (spring term). M., W., 9:30–11. EXAM GROUP: 2, 3



Discussion of a range of astrophysical systems and the physical processes that describe them. Topics include: stellar structure; energy generation in stars; white dwarfs, neutron stars, and black holes; the interstellar medium and star formation; the structure of the Universe; cosmology and the Big Bang.

Prerequisite: Physics 143a (may be taken concurrently).

Astronomy 150. Radiative Processes in Astrophysics

Catalog Number: 8993

Ramesh Narayan

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Survey of radiative processes of astrophysical importance from radio waves to gamma rays.

Thermal and non-thermal processes, including bremsstrahlung, synchrotron radiation, and Compton scattering. Radiation in plasmas. Atomic and molecular structure and spectra.

Prerequisite: Physics 143a (may be taken concurrently).

[Astronomy 151. Astrophysical Fluid Dynamics]

Catalog Number: 3025

Lars Hernquist

Half course (spring term). Hours to be arranged.

Fluid and gas dynamics with applications drawn from astrophysical phenomena. Topics include: kinetic theory, diffusive effects, incompressible fluids, inviscid and viscous flows, boundary layer theory, accretion disks, fluid instabilities, turbulence, convection, gas dynamics, linear (sound) waves, method of characteristics, Riemann invariants, supersonic flow, non-linear waves, shocks, similarity solutions, blast waves, radiative shocks, ionization fronts, magnetohydrodynamics, hydromagnetic shocks, dynamos, gravitational collapse, principles of plasma physics, Landau damping, computational approaches, stability criteria, particle based (Lagrangian) methods, adaptive mesh refinement, radiation hydrodynamics.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.

Astronomy 191. Astrophysics Laboratory

Catalog Number: 3615 Enrollment: Limited to 16.

Patrick Thaddeus

Half course (spring term). F., at 2. EXAM GROUP: 7

Laboratory and observational projects in astrophysics. Students choose two projects from a selection including: measurement of the cosmic microwave background radiation, molecules in interstellar clouds, the rotation of the galaxy, galactic molecular sources with the submillimeter Array (SMA), stars and clusters with the Clay Telescope; and laboratory experiments including superconducting submillimeter detectors, x-ray CCDs, and hard x-ray imaging detectors and telescopes.

Note: Primarily for concentrators in astronomy and astrophysics or combined concentrators with physics. Students with physics as their primary concentration, but with a serious interest in astrophysics, may take this to satisfy their laboratory requirement (in lieu of Physics 191) upon petition to the Head Tutor in Physics.

Prerequisite: Physics 15c or equivalent.


[Astronomy 192. Tools and Techniques of Astronomical Measurements]

 Catalog Number: 4741

Half course (spring term). Hours to be arranged.

Presentation of physical principles and techniques used for detection across the frequency domain of both electromagnetic and gravitational radiation. Description and analysis of the corresponding tools used for detection, including telescopes and basic instrumentation, present and (near-term) future. Discussion of different types of measurements—intensity, imaging, spectroscopic, polarimetric, astrometric, and interferometric—throughout the electromagnetic spectrum, including related parameter estimation and error analyses.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.

Prerequisite: Physics 15a, b, c and Applied Mathematics 105 (or equivalents).

Astronomy 193. Noise and Data Analysis in Astrophysics

Catalog Number: 4495

James M. Moran
Half course (spring term). 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. Basic 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: sampling theorem, filtering; fast Fourier transform; spectrum of quantized data sets. Weighted least mean squares analysis and nonlinear parameter estimation. Bootstrap methods. Noise processes in periodic phenomena. Image processing and restoration techniques. The course will emphasize a Bayesian approach to problem solving and the analysis of real data sets.

Prerequisite: Mathematics 21b or equivalent.

Cross-listed Courses
Applied Mathematics 111. Introduction to Scientific Computing
[Earth and Planetary Sciences 121. Terrestrial Planets]
[Earth and Planetary Sciences 238. Spectroscopy and Radiative Transfer of Atmospheres]
Earth and Planetary Sciences 250. Topics in Planetary Sciences
[Earth and Planetary Sciences 264r. Topics in Planetary Magnetism]
***Physics 191r. Advanced Laboratory**
Primarily for Graduates

These courses are primarily aimed at graduate students in astronomy, although properly prepared undergraduates and graduate students from other fields are welcome. The required graduate core courses are Astronomy 150, 201a and b, and 202a and b, while a wide range of advanced courses is available for further work. Courses may be available as reading courses at times other than those shown, by arrangement with the instructor. Graduate students in Astronomy are required to take one graduate physics course selected from Physics 210 or 251a (or Astronomy 251). More advanced physics courses may be substituted upon petition to the Committee on Academic Studies.


[Astronomy 200hf. Seminar in Modern Astrophysics and Cosmology]

 Catalog Number: 8574

Half course (throughout the year). Spring: W., at 3. EXAM GROUP: Spring: 8

Graduate seminar on topical areas in modern astrophysics and cosmology. Each term a different topic of current special interest is selected. Participants in this seminar discuss papers given by seminar members (in rotation). Several faculty members also participate.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10. Participation for two terms is required to obtain credit.

Astronomy 201a. Stellar and Planetary Astrophysics

Catalog Number: 4303

Dimitar D. Sasselov
Half course (fall term). M., W., 11–12:30. EXAM GROUP: 4, 5

Stars are studied as the elementary baryonic building blocks of the Universe, and the main source of the evolution of baryonic matter (nucleosynthesis). Planetary systems are studied in terms of the stellar environments for their formation and survival.

Prerequisite: Astronomy 150 (may be taken concurrently).

Astronomy 201b. Interstellar Medium and Star Formation

Catalog Number: 4206

Douglas Finkbeiner
Half course (spring term). M., W., 11–12:30. EXAM GROUP: 4, 5

Nature of the Interstellar Medium (ISM): composition, energetics, densities and interactions; observations and theory. Processes leading to the formation of stars and planets, as well as studies of the feedback on the ISM from stellar deaths.

[Astronomy 202a. Galaxies and Dynamics]

Catalog Number: 8237

Abraham Loeb and Matias Zaldarriaga
Half course (spring term). Hours to be arranged.

An overview of extragalactic astronomy. Galaxy formation, evolution and properties, galactic dynamics, clustering, gas dynamics, star formation and other topics at the frontiers of extragalactic astronomy.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.

[Astronomy 202b. Cosmology]

Catalog Number: 2446

Abraham Loeb and Matias Zaldarriaga
Half course (fall term). Hours to be arranged.

The cosmological principle: isotropy and homogeneity, cosmological world models, thermal history of the Big Bang, the microwave background, inflation, growth of density fluctuations, large scale structure and other topics at the frontiers of cosmology.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.



[Astronomy 218. Radio Astronomy]

Catalog Number: 2883

James M. Moran

Half course (fall term). Hours to be arranged.

Historical development; diffraction theory of antennas and interferometers; signal detection and measurement techniques. Thermal, synchrotron and spectral-line emission in the context of radio observations of the sun, planets, pulsars, masers, hydrogen clouds, molecular clouds, ionized regions, active galaxies, quasars, and the cosmic background.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.

Prerequisite: Astronomy 150 or Physics 153 recommended.

Astronomy 219. High Energy Astrophysics

Catalog Number: 1858

Jonathan E. Grindlay and Ramesh Narayan

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Discussion of relativistic and high-energy astrophysical phenomena and observational techniques. Accretion onto compact stars (white dwarfs, neutron stars, black holes); active galactic nuclei, galaxy clusters. Gamma-ray bursts and cosmic rays. X-ray and gamma-ray background.

***Astronomy 224. Solar System Dynamics - (New Course)**

Catalog Number: 8374

Matthew Holman

Half course (spring term). W., F., 12:30–2. EXAM GROUP: 5, 6

Introduction to techniques of modern solar system dynamics, applied to our own solar system as well as to extra solar planetary systems. Research component focuses on applications of solar system dynamics to data from Pan-STARRS-1.

Prerequisite: Introductory Physics

[Astronomy 225. Formation of Stars and Planets]

Catalog Number: 0983

David J. Wilner

Half course (spring term). Hours to be arranged.

Physical properties of interstellar medium, molecular clouds and their cores, young stellar objects in isolation and in clusters, dynamical processes in star formation and circumstellar disk evolution, properties of the primitive solar nebula and solar system development, extrasolar planetary systems.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.

Astronomy 251. Quantum Mechanics for Astrophysics

Catalog Number: 5381

Lars Hernquist

Half course (fall term). M., W., F., at 10. EXAM GROUP: 12, 13

Quantum mechanics with applications to atomic and molecular processes important in astronomical environments. Atomic and molecular structure; spectroscopy (selection rules, oscillator strengths, photoionization); scattering theory (elastic, inelastic, approximate methods);



line broadening; collision processes (cross sections, rate coefficients) involving electrons, ions, atoms, and molecules.

Prerequisite: Physics 143a or the equivalent, or permission of instructor.

Cross-listed Courses

[Applied Mathematics 205. Practical Scientific Computing](#)

[Physics 210. General Theory of Relativity](#)

[Physics 251a. Advanced Quantum Mechanics I](#)

Graduate Courses of Reading and Research

Unless otherwise specified, these courses are given fall term, repeated spring term.

***Astronomy 300. Topics in Modern Astrophysics**

Catalog Number: 7915

Charles Alcock 5194, Lori E. Allen 5704, Edo Berger 6027, Raymond Blundell 2753, David Charbonneau 5225, Alexander Dalgarno 1157, Thomas M. Dame 2755, Rosanne DiStefano 1508, Martin S. Elvis 2530, Daniel G. Fabricant 3711, Giovanni G. Fazio 1143, Douglas Finkbeiner 5556, Christine Jones Forman 5766, Alyssa A. Goodman 3348 (on leave spring term), Lincoln J. Greenhill 4490, Jonathan E. Grindlay 4593, Lars Hernquist 4250, Matthew Holman 1260, John P. Huchra 6271, Justin C. Kasper 6261 (spring term only), Robert P. Kirshner 1071, David W. Latham 3716, Myron Lecar 1026, Julia C. Lee 5305, Abraham Loeb 3349, Jeffrey E. McClintock 2108, James M. Moran 4090, Ramesh Narayan 2871, Dimitar D. Sasselov 1020, Irwin I. Shapiro 7660, Patrick O. Slane 4838, Christopher Stubbs 4856, Patrick Thaddeus 1398, David J. Wilner 2855, Matias Zaldarriaga 4603, and Qizhou Zhang 4477

A seminar, reading, or research course may be arranged with any of the faculty listed. Students can also arrange to obtain Astronomy 300 credit for reading or research with scientific staff members of the Harvard-Smithsonian Center for Astrophysics; consult Astronomy Department office.

***Astronomy 301hf. Research Forum**

Catalog Number: 5224

Julia C. Lee 5305

Half course (throughout the year). Tu., 4–5:30.

Each week, a speaker (ordinarily faculty in the fall and students in the spring) will describe research in progress. Forum participants will discuss the ongoing work with the presenter, offering both questions and suggestions.

Note: Intended both as an opportunity for substantive discussion, and as training in the clear presentation of scientific ideas. To encourage an informal atmosphere and to facilitate interaction between speaker and audience. No visual aids other than a blackboard and a one-page handout will be allowed (e.g. no PowerPoint).

***Astronomy 302. Scientists Teaching Science**

Catalog Number: 9869

Philip M. Sadler 2231

Half course (spring term). Tu., 2–3:30.



Learn the secrets of lecturing well, leading discussions, connecting to real-world applications, and creating tests in any scientific discipline as we focus on relevant educational research and case studies, plus engage in practical classroom activities.

Note: Open to graduate students in all areas of science and uses activities to draw upon research findings from the life, earth, and physical sciences.

Prerequisite: Experience as an instructor of science or as a teaching fellow.

Cross-listed Courses

***Statistics 310hfr. Topics in Astrostatistics**

Biological Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

In conjunction with changes in the Life Sciences concentrations, the courses from the Biological Sciences section of the catalog have been renamed and relocated.

Courses designated as Life Sciences can be found in the Life Sciences chapter.

Biological Sciences 52, 54, 56, and 80 are now MCB 52, 54, 56, and 80 and can be found in the Molecular and Cellular Biology chapter. This section also lists Biochemical Sciences 91r and 99, Biology 91r and 99r, and all MCB courses. Biological Sciences 60 is now Life Sciences 60 (formerly MCB 60) and can be found in the Life Sciences chapter.

Biological Sciences 53, 55, and 57 are now OEB 53, 55, and 57 and can be found, along with all OEB courses, in the Organismic and Evolutionary Biology chapter.

Research courses (91r and 99) can be found within the individual sections for each of the Life Sciences concentrations: Chemistry, Chemical and Physical Biology, Human Evolutionary Biology, Molecular and Cellular Biology, Neurobiology, and Organismic and Evolutionary Biology. Equivalent courses can be found in Anthropology (for Biological Anthropology) and Psychology.



Biological Sciences in Dental Medicine

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Dental Medicine

Bjørn R. Olsen, Hersey Professor of Cell Biology (*Medical School*) and Professor of Developmental Biology (*Dental School*) (*Chair*)
John D. Bartlett, Assistant Professor of Developmental Biology (*Dental School*)
Joyce E. Bischoff, Associate Professor of Surgery (*Medical School*)
Patricia A. D'Amore, Professor of Ophthalmology (*Medical School*)
Floyd E. Dewhirst, Professor of Oral Medicine, Infection, and Immunity (*Medical School*)
Daniel Finley, Professor of Cell Biology (*Medical School*)
Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
James Hanken, Professor of Biology and Curator of Herpetology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
Peter V. Hauschka, Associate Professor of Developmental Biology (*Dental School*)
Martin E. Hemler, Professor of Pathology (*Medical School*)
Randy King, Associate Professor of Cell Biology (*Medical School*)
Michael Klagsbrun, Patricia A. Donahue Professor of Surgery (*Medical School*)
Beate K. M. Lanske, Associate Professor of Oral Biology (*Dental School*)
Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Yefu Li, Assistant Professor of Developmental Biology (*Dental School*)
Yi-Ping Li, Assistant Professor of Developmental Biology (*Dental School*)
Henry C. Margolis, Associate Professor of Developmental Biology (*Dental School*)
Bruce J. Paster, Professor of Oral Medicine, Infection, and Immunity (*Dental School*)
Vicki Rosen, Professor of Developmental Biology (*Dental School*)
Charles N. Serhan, Simon Gelman Professor of Anaesthesia (*Medical School*)
Philip P. Stashenko, Associate Professor of Oral Medicine, Infection, and Immunity (*Dental School*)
Kevin Struhl, David Wesley Gaiser Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Martin A. Taubman, Professor of Developmental Biology (*Dental School*)
Malcolm Whitman, Professor of Developmental Biology (*Medical School*)

The Biological Sciences in Dental Medicine (BSDM) Program, leading to the PhD degree combines faculty from the Department of Developmental Biology and other Harvard School of Dental Medicine departments with faculty from basic science departments at Harvard Medical School, and faculty from the Faculty of Arts and Sciences.

This program offers advanced study in the molecular, supramolecular, cellular, and supracellular processes that provide the intellectual basis for dental medicine.

The BSDM program is intended for scholars interested in pursuing a career in basic or patient-



oriented science in the areas of skeletal biology, cell biology and development, immunology, or microbiology leading to a PhD degree. Eligible applicants will be individuals with a baccalaureate in sciences (BS), a master degree in sciences, (MS), a doctoral degree in dentistry, (DMD, DDS), or a medical doctoral degree (MD).

Graduate Courses of Reading and Research

***Biological Sciences in Dental Medicine 300. Research with Faculty**

Catalog Number: 9825

Members of the Committee

Biological Sciences in Public Health

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*)

Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*)

David P. Harrington, Professor of Biostatistics (*Public Health*)

Lester Kobzik, Professor of Pathology (*Public Health*)

Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics

Carl N. Morris, Professor of Statistics

Bjørn R. Olsen, Hersey Professor of Cell Biology (*Medical School*) and Professor of Developmental Biology (*Dental School*)

Frank M. Sacks, Professor of Medicine (*Medical School*)

Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)

Dyann F. Wirth, Professor of Infectious Diseases (*Public Health*)

Faculty of the Subcommittee on the Doctor of Philosophy in Biological Sciences in Public Health

Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*) (*Chair*)

Lester Kobzik, Professor of Pathology (*Public Health*)

Bjørn R. Olsen, Hersey Professor of Cell Biology (*Medical School*) and Professor of Developmental Biology (*Dental School*)

Frank M. Sacks, Professor of Medicine (*Medical School*)

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*ex officio*)



Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)
Dyann F. Wirth, Professor of Infectious Diseases (*Public Health*)

Other Faculty Offering Instruction in Biological Sciences in Public Health

Joseph D. Brain, Cecil K. and Phillip Drinker Professor of Environmental Physiology (*Public Health*)
Barbara Burleigh, Associate Professor of Immunology and Infectious Diseases (*Public Health*)
James Preston Butler, Associate Professor of Medicine (*Medical School*)
David Christiani, Professor of Medicine (*Medical School*)
Manoj T. Duraisingh, Assistant Professor of Infectious Diseases (*Public Health*)
Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
Jeffrey J. Fredberg, Professor of Bioengineering and Physiology (*Public Health*)
Marcia Goldberg, Associate Professor of Medicine (*Medical School*)
David J. Hunter, Professor of Epidemiology and Nutrition (*Public Health*)
Phyllis J. Kanki, Professor of Immunology and Infectious Diseases (*Public Health*)
Lester Kobzik, Professor of Pathology (*Public Health*)
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Igor Kramnik, Associate Professor of Immunology (*Public Health*)
Chih-Hao Lee, Assistant Professor of Genetics and Complex Diseases (*Public Health*)
Tun-Hou Lee, Professor of Virology (*Public Health*)
Marc Lipsitch, Professor of Epidemiology (*Public Health*)
Clifford Lo, Assistant Professor of Pediatrics (*Medical School*) and Assistant Professor of Nutrition (*Public Health*)
Brendan D. Manning, Assistant Professor of Genetics and Complex Diseases (*Public Health*)
Donald K. Milton, Senior Lecturer of Occupational Medicine (*Public Health*)
Karl Münger, Associate Professor of Medicine (*Medical School*)
Eric J. Rubin, Associate Professor of Immunology and Infectious Diseases (*Public Health*) and Assistant Professor of Medicine (*Medical School*)
Frank M. Sacks, Professor of Medicine (*Medical School*)
Armin Schwartzman, Assistant Professor of Biostatistics (*Public Health*)
Stephanie A. Shore, Senior Lecturer of Physiology (*Public Health*)
Thomas Jay Smith, Professor of Industrial Hygiene (*Public Health*)
Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)
Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)
Zhi-Min Yuan, James Stevens Simmons Associate Professor of Toxicology (*Public Health*)

The FAS Standing Committee on Higher Degrees in Public Health Sciences has the general responsibility of overseeing the existing PhD degree programs in biological sciences and biostatistics and developing new PhD programs in other important domains of public health.

The committee is composed of representatives from the Faculty of Arts and Sciences, the School of Public Health, and the Medical School. The committee membership is drawn from the biological and numeric sciences to reflect the current PhD programs. As new programs are created in the future, members representing other relevant disciplines will be added to the



committee.

The committee works with the Subcommittee on the Degree of Doctor of Philosophy in Biological Sciences and the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics to make policy decisions and ensure the continuing strengths of those programs. The committee is also charged with initiating discussion of and planning for additional PhD programs.

The Subcommittee on the Degree of Doctor of Philosophy in Biological Sciences in Public Health (with membership from the Faculty of Arts and Sciences, the Medical School, and the School of Public Health) and the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics (with membership from the Faculty of Arts and Sciences and the School of Public Health) hold responsibility for oversight of their respective programs, including monitoring requirements and standards for the degree and creating standards for admission.

For more courses of interest, see the School of Public Health catalog.

Primarily for Graduates

[*BPH 204. Metabolic Processes Underlying Complex Diseases] - (New Course)

Catalog Number: 4367 Enrollment: Limited to 15.

Chih-Hao Lee (Public Health) and Brendan D. Manning (Public Health)

Half course (fall term). M., F., 1:30–3:30.

This course covers key metabolic processes underlying cancer and metabolic diseases with an emphasis on molecular mechanisms (e.g., signaling pathways, transcription factors, etc). The first half focuses on tumor cell metabolism and the second half on organismal metabolism in metabolic diseases. The course consists of both lectures and critical reading of primary literature.

Note: Expected to be given in 2009–10. First class meeting Friday, September 5, 2008.

Prerequisite: Fim knowledge of basic biochemistry.

BPH 206. Advanced Respiratory Physiology

Catalog Number: 1049

James Preston Butler (Medical School) and Robert B. Banzett (Medical School, Public Health)

Half course (fall term). M., W., 9–10:20. EXAM GROUP: 2, 3

Respiratory measurements are an integral part of public health research. We will critically discuss their scientific bases, noting practical considerations and pitfalls, and their interpretations and inferences about physiological status and disease.

Note: Offered jointly with the School of Public Health as EH 223.

Prerequisite: EH 205 or equivalent, or signature of instructor indicating suitable background required. College-level physiology.

BPH 207. Advanced Topics in Physiology

Catalog Number: 2146

Jeffrey J. Fredberg (Public Health)

Half course (spring term). M., 10:30–12:30, W., 3:30–5:20. EXAM GROUP: 3, 4, 5, 8, 9

An opportunity for students interested in the respiratory system to focus on special topics in lung



biology. This year's emphasis is on the fundamental physical basis and quantitative description of chemical, electrical, and mechanical signaling within the cell. Specific topics covered include passive diffusion, facilitated diffusion, solvent and solvent transport, channels, action potentials, membrane transport, and receptor-ligand binding.

Note: Offered jointly with the Medical School as BPH 727.0 and with the School of Public Health as EH 225.

BPH 208. Human Physiology

Catalog Number: 3627

Stephanie A. Shore (Public Health)

Half course (fall term). M., W., 10:30–12:20. EXAM GROUP: 3, 4, 5

An introduction to the principles governing function in the human body designed to provide a framework in physiology for future public health researchers and professionals who have not taken college level physiology courses. Emphasis on the concept of homeostasis and on integrative aspects of physiology. Examples of pathophysiology and environmental physiology highlight these processes.

Note: Offered jointly with the School of Public Health as EH 205. Required lab.

Prerequisite: College-level introductory biology or permission of the instructor.

BPH 210. Pathophysiology of Human Disease

Catalog Number: 3078

Lester Kobzik (Public Health)

Half course (spring term). M., F., 1:30–3:20. EXAM GROUP: 6, 7

Surveys major human disease problems in the cardiovascular, respiratory, hematopoietic, reproductive and gastrointestinal systems. Emphasis on understanding the pathophysiologic basis of common disease manifestations and the pathogenesis of the disease process.

Note: Offered jointly with the Medical School as BPH 729.0 and with the School of Public Health as EH 208.

Prerequisite: A college-level human physiology course.

[*BPH 212. Cellular and Molecular Biology of Parasites]

Catalog Number: 0703 Enrollment: Limited to 35.

Barbara Burleigh (Public Health) and members of the Department

Half course (spring term). Tu., 3–6. EXAM GROUP: 17, 18

We cover aspects of biochemistry, cell and molecular biology of protozoan parasites of humans, including: malaria, toxoplasma, leishmania, trypanosomes, amoebae and giardia. Includes in-depth discussions on comparative mechanisms of pathogenesis; unique parasite biochemistry and organelles; strategies/ molecular basis for host immune invasion; bioinformatics approaches to molecular pathogenesis.

Note: Expected to be given in 2009–10. Given in alternate years. Offered jointly with the Medical School as BPH 721.0 and with the School of Public Health as IMI 216.

Prerequisite: Coursework in biochemistry, genetics, or microbiology.

BPH 213. Cell Response to Mutagens and Carcinogens

Catalog Number: 0932

Bruce F. Demple (Public Health)



Half course (fall term). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16, 17

A seminar course based on emerging research on the molecular effects of mutagenic, carcinogenic, and cytotoxic agents. Particular focus on the cellular mechanisms that preserve biological integrity (e.g., cell cycle checkpoints; DNA repair) or mediate cellular responses to stress (e.g., redox signal transduction; apoptosis pathways). Involves analysis and critical discussion of research papers. Written assignments in developing relevant research projects (mini-grant proposals).

Note: Given in alternate years. Offered jointly with the School of Public Health as GCD 250.

Prerequisite: Advanced or graduate courses in biochemistry, cell biology, or genetics.

BPH 215. Principles of Toxicology

Catalog Number: 5366

A. Wallace Hayes (Public Health) and Joseph D. Brain (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20; Tu., 3:30–5:20. EXAM GROUP: 15, 16, 17

Emphasizes mechanisms of injury and clinical consequences following exposures to environmental and occupational chemicals. Examines actions at the molecular, cellular, organ system, and organismal levels. Discusses methods for detecting, evaluating, analyzing, and combating toxic effects.

Note: Offered jointly with the School of Public Health as EH 504.

Prerequisite: Organic chemistry and mammalian physiology or equivalent.

***BPH 216. Immunology of Infectious Diseases**

Catalog Number: 6938 Enrollment: Limited to 35.

Members of the Department

Half course (spring term). Tu., 3:30–5:20. EXAM GROUP: 17, 18

Covers in detail the interactions of pathogens with the host immune system, including innate and protective responses and those immune responses that are deleterious. Topics include: overview of immune responses; response of mucosal-secretory immune system to pathogens; innate immunity “the collectins”; innate immunity “Th2 PAMPs”; pathogen regulation of host immune responses; pathogen evasion of immune effector mechanisms; polarization of CD4⁺ T helper cell subsets and relationship to disease outcome; resistance to HIV; HIV and co-infection with other pathogens; mechanisms of immunopathogenesis; and development of vaccines. Pathogens covered in detail include: HIV, cholera, TB, staph/strep, toxoplasma, intestinal protozoa, malaria, helminths.

Note: Given in alternate years. Offered jointly with the Medical School as BPH 724.0 and with the School of Public Health as IMI 208. Each lecture requires reading several relevant papers and completion of a problem set.

Prerequisite: An immunology course.

***BPH 219. Biological Sciences Seminars**

Catalog Number: 1152

Michael Grusby (Public Health, Medical School)

Half course (fall term). Tu., Th., 9–10:20. EXAM GROUP: 11, 12

Faculty present seminars on their current research in the biological sciences and direct a student discussion of the logic and experimental design of this research. Topics include chemical and viral carcinogenesis, DNA damage and repair, immunology, molecular biology, metabolism,



cardiovascular disease, parasitology, and how these areas apply to public health issues.

Note: Required for first-year students in the BPH program. Offered jointly with the School of Public Health as DBS 205.

BPH 222. The Science of Human Nutrition

Catalog Number: 0216

Frank M. Sacks (Medical School, Public Health), Clifford Lo (Medical School, Public Health) and members of the Department

Half course (spring term). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16

A review of the biochemistry of carbohydrates, fats, proteins, vitamins, and minerals in the context of human disease. Contemporary topics are emphasized. Particular emphasis given to current knowledge of the mechanisms that may explain the role of diet in the causation and/or prevention of ischemic heart disease, diabetes, obesity, hypertension, and cancer. Recommended dietary intakes of selected nutrients are discussed in order to understand their limitations.

Note: Offered jointly with the Medical School as BPH 733.0 and with the School of Public Health as NUT 202.

Prerequisite: Introductory nutrition course. Prior familiarity with nutrition and the health sciences expected, as well as a basic knowledge of biochemistry and human physiology.

Graduate Courses of Reading and Research

***BPH 300. Laboratory Rotations**

Catalog Number: 8441

Michael Grusby (Public Health, Medical School) 1987 and members of the Committee
Members of the Division of Biological Sciences offer hands-on experimental methods of research in the biological sciences.

Note: Offered jointly with the School of Public Health as DBS 300.

***BPH 302. Molecular Regulation of Thrombosis**

Catalog Number: 2731

Guy L. Reed III 1615

***BPH 304. Study of Workplace Mutagen and Carcinogen Exposure**

Catalog Number: 2734

Karl Kelsey (Public Health, Medical School) 2316

***BPH 307. Cellular Defenses Against Oxygen Radical Damage**

Catalog Number: 2758

Bruce F. Demple (Public Health) 7853

***BPH 312. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 2736

Marianne Wessling-Resnick (Public Health) 1315

***BPH 315. Molecular Genetic Analysis of Gene Expression and Drug Resistance in Parasitic Protozoan, Including Leishmania and Malaria**



Catalog Number: 2756
Dyann F. Wirth (Public Health) 2492

BPH 316. Immunology and Molecular Biology of *Schistosoma mansoni
Catalog Number: 2737
Donald A. Harn (Public Health) 2051

***BPH 317. Gene-Environment Interactions in Human Lipoprotein Metabolism**
Catalog Number: 2541
Hannia Campos (Public Health) 2710

***BPH 319. Signaling Mechanisms of Peptide Hormones, Genetic and Molecular Basis of Obesity and Diabetes**
Catalog Number: 8425
Gokhan S. Hotamisligil (Public Health) 2725

***BPH 322. Study of Epidemiologic and Biological Characteristics of HIV Viruses in Africa**
Catalog Number: 4523
Phyllis J. Kanki (Public Health) 2270

***BPH 323. Human Lipoprotein Metabolism: Biochemistry and Metabolic Modeling**
Catalog Number: 5530
Frank M. Sacks (Medical School) 2276

***BPH 324. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**
Catalog Number: 5915
Raymond L. Erikson 7506

***BPH 325. Assessment of the Impact of Workplace Pollutants on Health**
Catalog Number: 7448
David Christiani (Public Health, Medical School) 1514

***BPH 330. Advanced Topics in Biological Sciences in Public Health**
Catalog Number: 3976
Marianne Wessling-Resnick (Public Health) 1315
A series of discussion and seminars each running for a half term (7-8 weeks).

***BPH 331. Perception of Afferent Information from the Respiratory System**
Catalog Number: 3655
Robert B. Banzett (Medical School, Public Health) 1310

***BPH 332. Function and Structure of Pulmonary and Hepatic Macrophages**
Catalog Number: 7331
Joseph D. Brain (Public Health) 2520



***BPH 334. Molecular Basis of Host Cell Invasion, Signaling and Differentiation by the Human Pathogen, Trypanosoma Cruzi**

Catalog Number: 2409

Barbara Burleigh (Public Health) 2763

***BPH 336. Study of Human and Primate T-lymphotrophic Retroviruses Including Agents that Cause AIDS**

Catalog Number: 3248

Myron Essex (Public Health) 2499

***BPH 339. Mechanical Basis of Airway and Lung Parenchymal Function**

Catalog Number: 6572

Jeffrey J. Fredberg (Public Health) 1303

***BPH 340. Genetic Regulation of Immune Response**

Catalog Number: 3323

Laurie H. Glimcher (Public Health, Medical School) 1362

***BPH 341. Pathways of Oxidant-dependent Promotion of Cell Growth in Lung Epithelial Cells**

Catalog Number: 9308

Beatriz Susana Gonzalez-Flecha (Public Health) 2715

***BPH 342. In Vivo Models of Immune Deficiency by Homologous Recombination in ES Cells**

Catalog Number: 2309

Michael Grusby (Public Health, Medical School) 1987

***BPH 343. Molecular Mechanism of Cellular Circadian Regulation**

Catalog Number: 7740

J. Woodland Hastings 1311

***BPH 345. Lung Macrophage Differentiation and Function**

Catalog Number: 1495

Lester Kobzik (Medical School, Public Health) 1313

***BPH 346. Genetic Dissection of Mechanisms of Host Susceptibility to Tuberculosis**

Catalog Number: 1041

Igor Kramnik (Public Health) 2768

***BPH 348. Human and Related Primate Retroviruses**

Catalog Number: 3024

Tun-Hou Lee (Public Health) 2769



***BPH 352. Regulation of Acute Inflammatory Responses by Signaling Molecules**

Catalog Number: 5578

Joseph P. Mizgerd (Public Health) 2787

***BPH 353. Human Papillomaviruses (HPV's): the Cause of Hyperplastic Skin-leisions**

Catalog Number: 6469

Karl Münger (Medical School) 1586

***BPH 354. Molecular Studies of Skeletal and Vascular Morphogenesis**

Catalog Number: 8067

Bjørn R. Olsen (Dental School) 1164

***BPH 357. Physiological and Pharmacological Aspects of Bronchoconstriction.**

Catalog Number: 5047

Stephanie A. Shore (Public Health) 1304

***BPH 358. Human Immunodeficiency Virus Envelope Glycoproteins and Vaccine Development**

Catalog Number: 0241

Joseph G. Sodroski (Medical School, Public Health) 1712

***BPH 359. Relations of Dietary Factors to the Occurrence of Human Disease**

Catalog Number: 8215

Walter C. Willett (Public Health, Medical School) 1805

***BPH 360. DNA Replication and Control of Normal and Abnormal Cell Growth**

Catalog Number: 1395

Dieter Wolf (Public Health) 2781

***BPH 362. Delineation of Biochemical and Molecular Basis of Stress Induced Responses**

Catalog Number: 4140

Zhi-Min Yuan (Public Health) 9265

***BPH 363. Inherited Susceptibility to Cancer and other Diseases**

Catalog Number: 9066

David J. Hunter (Public Health) 3844

***BPH 364. Molecular Biology of Bacterial Interactions; Peptide Production and Release; Growth Phase Regulation of Gene Expression**

Catalog Number: 6936

Roberto G. Kolter (Medical School) 7727

***BPH 365. Virulence Factors of Mycobacteria; Acquisition of Virulence Determinants of *Vibrio Cholerae*; Generalized Mutagenesis Systems for Bacteria**

Catalog Number: 5044

Eric J. Rubin (Public Health) 4084



***BPH 366. Theoretical, Statistical, and Experimental Approaches to Population Biology and the Epidemiology of Infectious Diseases**

Catalog Number: 7822

Marc Lipsitch (Public Health) 4097

BPH 368. Host-pathogen Interactions of *Shigella

Catalog Number: 6995

Marcia Goldberg (Medical School) 3783

***BPH 369. Metals Toxicity and Gene-Metal Interactions**

Catalog Number: 8600

Howard Hu 4322

***BPH 370. Environmental Exposures for Studies in Health Effects, and Investigation of the Relationship Between Environmental Exposure and Internal Dose**

Catalog Number: 5653

Thomas Jay Smith (Public Health) 4337

***BPH 372. Molecular Mechanisms Underlying the Pathogenesis of Human Malaria**

Catalog Number: 2598

Manoj T. Duraisingh (Public Health) 5177

***BPH 373. Skin Cancer: New Models and Risk Assessments**

Catalog Number: 2988

Heather H. Nelson (Public Health) 5196

***BPH 374. Nuclear Lipid Receptors as Therapeutic Targets of Metabolic Diseases**

Catalog Number: 3153

Chih-Hao Lee (Public Health) 5294

***BPH 375. Signaling Pathways Underlying Tumorigenesis and Metabolic Diseases**

Catalog Number: 3159

Brendan D. Manning (Public Health) 5293

BPH 376. Secretion and pathogenesis in *M. tuberculosis

Catalog Number: 7620

Sarah Merritt Fortune 5736

Biophysics



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Biophysics

James M. Hogle, Edward S. Harkness Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Chair*)
Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology
Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)
George M. Church, Professor of Genetics (*Medical School*)
Stephen C. Harrison, Giovanni Armenise - Harvard Professor of Basic Biomedical Science and Professor of Pediatrics (*Medical School*)
David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology (*on leave fall term*)
Aravinthan D. T. Samuel, Associate Professor of Physics
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Biophysics

John A. Assad, Professor of Neurobiology (*Medical School*)
Frederick Ausubel, Professor of Genetics (*Medical School*)
William H. Bossert, David B. Arnold, Jr. Professor of Science (*on leave fall term*)
Martha L. Bulyk, Associate Professor of Medicine and Health Sciences and Technology and of Pathology (*Medical School*)
Lewis C. Cantley, William Bosworth Castle Professor of Medicine and Professor of Systems Biology (*Medical School*)
James J. Chou, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
David E. Clapham, Arlo R. Castaneda Professor of Cardiovascular Research (*Medical School*)
Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)
R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)
David P. Corey, Professor of Neurobiology (*Medical School*)
Bruce F. Dimple, Professor of Toxicology (*Public Health*)
John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*) (*on leave spring term*)
Michael J. Eck, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)



Florian Engert, Associate Professor of Molecular and Cellular Biology
 Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
 Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology
 David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
 Edward E. Harlow, Virginia and D.K. Ludwig Professor of Cancer Research and Teaching (*Medical School*)
 J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
 Donald E. Ingber, Judah Folkman Professor of Vascular Biology (*Medical School*)
 David Jeruzalmi, Associate Professor of Molecular and Cellular Biology
 Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)
 Roy Kishony, Associate Professor of Systems Biology (*Medical School*)
 Nancy Kleckner, Herchel Smith Professor of Molecular Biology
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Galit Lahav, Assistant Professor of Systems Biology (*Medical School*)
 Andres Leschziner, Assistant Professor of Molecular and Cellular Biology
 Jun S. Liu, Professor of Statistics
 Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
 Thomas Maniatis, Jeremy R. Knowles Professor of Molecular and Cellular Biology
 Jarrod Marto, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)
 Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
 Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
 Venkatesh N. Murthy, Professor of Molecular and Cellular Biology (*on leave fall term*)
 Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
 Bence P. Olveczky, Assistant Professor of Organismic and Evolutionary Biology
 David Pellman, Associate Professor of Pediatrics (*Medical School*)
 Mara Prentiss, Mallinckrodt Professor of Physics
 Tom Rapoport, Professor of Cell Biology (*Medical School*)
 Frederick P. Roth, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Gary B. Ruvkun, Professor of Genetics (*Medical School*)
 Bernardo L. Sabatini, Associate Professor of Neurobiology (*Medical School*)
 Stuart L. Schreiber, Morris Loeb Professor of Chemistry
 Brian Seed, Professor of Genetics and Professor of Health Sciences and Technology (*Medical School*)
 Jagesh V. Shah, Assistant Professor of Systems Biology, of Medicine, and of Health Sciences and Technology (*Medical School*)
 William Shih, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Steven E. Shoelson, Professor of Medicine (*Medical School*)



Pamela A. Silver, Professor of Systems Biology (*Medical School*)
 Timothy A. Springer, Latham Family Professor of Pathology (*Medical School*)
 Shamil R. Sunyaev, Assistant Professor of Medicine and Health Sciences and Technology (*Medical School*)
 Jack Szostak, Professor of Genetics (*Medical School*)
 Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology
 Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Gregory L. Verdine, Erving Professor of Chemistry
 John R. Wakeley, Professor of Organismic and Evolutionary Biology (*on leave spring term*)
 Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Ronald L. Walsworth, Senior Lecturer on Physics
 Thomas Walz, Professor of Cell Biology (*Medical School*)
 George M. Whitesides, Woodford L. and Ann A. Flowers University Professor
 Kai Wucherpfennig, Professor of Neurology (*Medical School*)
 Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology
 Gary I. Yellen, Professor of Neurobiology (*Medical School*)

Biophysics students should consult course listings from the departments of Life Sciences, Chemistry and Chemical Biology, Physics, Molecular and Cellular Biology, the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Sciences, Engineering Sciences), Systems Biology, and the Division of Medical Sciences.

For Undergraduates and Graduates

Biophysics 101 (Genomics and Computational Biology). Computational Biology

Catalog Number: 6896

George M. Church (*Medical School*)

Half course (spring term). W., 12–1:30. EXAM GROUP: 5, 6

Modern technologies with exponential growth and impact on global quality of life through weekly updated Wiki class project (in-depth case studies on personal genomics and/or biofuels). Integrating knowledge, tools for research, and commercial decision-making concerning new aspects of bioengineering, personalized medicine, genetically modified organisms, and stem cells. Interplays of biophysical, ecological, economic, and social/ethical modeling will be explored through multi-disciplinary teams of students, and individual brief reports.

Note: Section times will be determined at first class. Offered in alternate years.

Biophysics 170. Quantitative Genomics

Catalog Number: 3598

Shamil R. Sunyaev (*Medical School*), Isaac S. Kohane (*Medical School*), Leonid Mirny and members of the Committee

Half course (fall term). M., W., F., 2:30–4. EXAM GROUP: 7, 8

Introduction to genomics with in-depth study of four areas: models of evolution and population genetics; comparative genomics: analysis and comparison; structural genomics: protein structure, evolution and interactions; functional genomics, gene expression, structure and dynamics of



regulatory networks.

Note: Offered jointly with the Medical School as HT 508.

Cross-listed Courses

[Applied Mathematics 105a. Complex and Fourier Analysis](#)
[Applied Mathematics 105b. Ordinary and Partial Differential Equations](#)
[Applied Mathematics 115. Mathematical Modeling](#)
[Applied Mathematics 147. Nonlinear Dynamical Systems](#)
[Chemistry 160. Physical Chemistry](#)
[Chemistry 161. Statistical Thermodynamics](#)
[Chemistry 163. Frontiers in Biophysics](#)
[*Chemistry 165. Experimental Physical Chemistry](#)
[Engineering Sciences 145. Physiological Systems Analysis](#)
[Engineering Sciences 156. Signals and Systems](#)
[Mathematics 115. Methods of Analysis](#)
[MCB 105. Systems Neuroscience](#)
[MCB 111 \(formerly MCB 211\). Mathematics in Biology](#)
[\[MCB 115. Cellular Basis of Neuronal Function\]](#)
[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)
[\[MCB 140. Introduction to Biophysics\]](#)
[MCB 150. Developmental Genetics and Genomics](#)
[*MCB 155. Molecular Mechanisms of Gene Control](#)
[MCB 156. Structural Biology of the Flow of Information in the Cell](#)
[MCB 169. Molecular and Cellular Immunology](#)
[MCB 176. Biochemistry of Membranes](#)
[OEB 152. Population Genetics](#)

Primarily for Graduates

Biophysics 204. Structural Biology From Molecules to Cells

Catalog Number: 1728

Stephen C. Harrison (Medical School)

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Imaging of molecules and of molecular localization in cells, including x-ray and electron crystallography, electron microscopy of single molecules, and high-resolution light microscopy. Lectures and student presentations of selected papers from the literature.

Biophysics 205. Computational and Functional Genomics

Catalog Number: 6777 Enrollment: Limited to 20.

Frederick P. Roth (Medical School), Martha L. Bulyk (Medical School), and Shamil R. Sunyaev (Medical School)

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9

Experimental functional genomics, computational prediction of gene function, and properties and models of complex biological systems. The course will primarily involve critical reading and discussion rather than lectures.



Prerequisite: Molecular Biology (MCB 52 or equivalent), solid understanding of basic probability and statistics.

Biophysics 242r. Special Topics in Biophysics

Catalog Number: 6011

James M. Hogle (Medical School), Pamela A. Silver (Medical School), and Jack Szostak (Medical School)

Half course (spring term). Tu., 3:30–5, Th., 3:30–5. EXAM GROUP: 17, 18

This year, the focus will be on Synthetic Biology. We will cover the design and implementation of novel cell-based systems, construction of novel genomes and the chemical basis for building new self-replicating systems.

Note: Weekly lectures with occasional discussion sections.

Cross-listed Courses

Applied Mathematics 201. Physical Mathematics I

[Applied Mathematics 202. Physical Mathematics II]

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis

BCMP 228. Macromolecular NMR

Cell Biology 201. Molecular Biology of the Cell

Chemical Biology 2100. Introduction to Chemical Biology I

***Chemistry 242. Quantum Mechanics I**

***Chemistry 270. Chemical Biology**

[*Chemistry 280 (formerly Chemistry 180). Macromolecular Structure and Function]

Genetics 201. Principles of Genetics

MCB 212. Topics in Biophysics

Microbiology 200. Molecular Microbiology and Pathogenesis

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Neurobiology 200. Introduction to Neurobiology

Neurobiology 204. Neurophysiology of Central Circuits

***Neurobiology 221. Molecular Neurobiology**

Systems Biology 200 (formerly Systems Biology 101). A Systems Approach to Biology

Graduate Courses of Reading and Research

***Biophysics 300. Introduction to Laboratory Research**

Catalog Number: 7509

James M. Hogle (Medical School) 2943 and members of the Committee

Half course (fall term; repeated spring term). M., W., F., at 4:30. EXAM GROUP: Fall: 9

Introductory lectures by associated Biophysics faculty members. Lectures accompanied by three periods of instruction in laboratories of structural biology, cell and membrane biophysics, molecular genetics and development, neurobiology, bioinformatics, and physical biochemistry.

Note: Contact department for fall course schedule.



***Biophysics 301. Quantitative Proteomics of Cancer Progression**

Catalog Number: 1302

Jarrold Marto (Medical School) 5326

***Biophysics 302. Quantitative Analysis of Regulatory Networks**

Catalog Number: 4405

Erin K. O'Shea 5239

***Biophysics 303. NMR Studies of Macromolecular Structure and Function**

Catalog Number: 6135

Gerhard Wagner (Medical School) 2626

***Biophysics 304. Basic Mechanisms of T cell Mediated Autoimmune Diseases**

Catalog Number: 5921

Kai Wucherpennig (Medical School) 2481

***Biophysics 305. Experimental Atomic Physics, Biophysics, and Soft Matter Physics**

Catalog Number: 8626

Ronald L. Walsworth 2263

***Biophysics 306. Quantitative Models of Cellular Behavior to Investigate Protein Function**

Catalog Number: 4339

Jagesh V. Shah (Medical School) 5248

***Biophysics 307. Dynamics of Network Motifs in Single Living Human Cells**

Catalog Number: 9749

Galit Lahav (Medical School) 5247

***Biophysics 308. System-level Genetic Networks**

Catalog Number: 1036

Roy Kishony (Medical School) 5501

***Biophysics 309. Motile Behavior of Bacteria**

Catalog Number: 2070

Howard C. Berg 1377

***Biophysics 310. Sensory Information in Neuronal Processes**

Catalog Number: 6651

Naoshige Uchida 5745

***Biophysics 311. Digital Computer Applications in Biophysics**

Catalog Number: 7606

William H. Bossert 1049 (on leave fall term)



***Biophysics 312. Multiphoton Microscopy in Imaging Alzheimer's Disease**

Catalog Number: 5860

James M. Hogle (Medical School) 2943, and Brian Bacskai

***Biophysics 313. Neurobiology of Vocal Learning - (New Course)**

Catalog Number: 9094

Bence P. Olveczky 6003

***Biophysics 314. Structure of Viruses and Viral Proteins**

Catalog Number: 0687

James M. Hogle (Medical School) 2943

***Biophysics 315. Structural Molecular Biology**

Catalog Number: 2805

Stephen C. Harrison (Medical School) 3597

***Biophysics 316. Structural Biology of ATP-Dependent Chromatin Remodeling - (New Course)**

Catalog Number: 4680

Andres Leschziner 5928

***Biophysics 317. Biophysical Aspects of the Visual System**

Catalog Number: 4770

John E. Dowling 3545 (on leave spring term)

***Biophysics 318. Mechanisms of Circadian Rhythms, Bioluminescence**

Catalog Number: 4699

J. Woodland Hastings 1311

***Biophysics 321. Molecular and Mechanical Analysis of Chromosomes**

Catalog Number: 7297

Nancy Kleckner 4697

***Biophysics 323. Molecular Oncology**

Catalog Number: 8284

Edward E. Harlow (Medical School) 2863

***Biophysics 327. Molecular Genetics**

Catalog Number: 4202

Frederick Ausubel (Medical School) 4639

***Biophysics 329. Computational and Functional Genomics**

Catalog Number: 4437

George M. Church (Medical School) 1608



***Biophysics 332. Function of Neuronal Circuits**

Catalog Number: 5444

Markus Meister 3007 (on leave fall term)

***Biophysics 333. Topics in Biophysics and Molecular Biology**

Catalog Number: 0196

Brian Seed (Medical School) 7619

***Biophysics 335. Gene Expression**

Catalog Number: 3602

Thomas Maniatis 7231

***Biophysics 337. Membrane Structure and Function**

Catalog Number: 1800

Keith W. Miller (Medical School) 4124

***Biophysics 338. Redox Signaling and Repair of Oxidative DNA Damage**

Catalog Number: 4755

Bruce F. Dimple (Public Health) 7853

***Biophysics 341. Structure and Function of Ligand-Gated Ion Channels**

Catalog Number: 7567

Jonathan B. Cohen (Medical School) 1120

***Biophysics 343. Theoretical Protein Science, Bioinformatics, Computational Chemistry**

Catalog Number: 6947

Eugene I. Shakhnovich 3147

***Biophysics 344. Directed Evolution and Design of Simple Cellular Systems**

Catalog Number: 6277

Jack Szostak (Medical School) 7096

***Biophysics 346. Biofilm Dynamics**

Catalog Number: 5538

Roberto G. Kolter (Medical School) 7727

***Biophysics 347. Membrane Dynamics; Membrane Structure**

Catalog Number: 5516

David E. Golan (Medical School) 1558

***Biophysics 348. Protein Kinases, Reversible Protein Phosphorylation**

Catalog Number: 4964

Raymond L. Erikson 7506

***Biophysics 349. Structural Biochemistry and Cell Biology of Intracellular Membrane Traffic**



Catalog Number: 4487
Tomas Kirchhausen (Medical School) 1155

***Biophysics 351. Signal Transduction**

Catalog Number: 3848
Lewis C. Cantley (Medical School) 1287

***Biophysics 353. Molecular Genetics of Development**

Catalog Number: 5016
Gary B. Ruvkun (Medical School) 1366

***Biophysics 354. Structural Biology and Cancer Drug Discovery**

Catalog Number: 4420
Gregory L. Verdine 1980

***Biophysics 355. Chemical Genetics and Genomics**

Catalog Number: 3035
Stuart L. Schreiber 2166

***Biophysics 356. Structure and Activity of Bacterial Toxins**

Catalog Number: 6886
R. John Collier (Medical School) 7972

***Biophysics 360. Enzymatic Mechanisms and Antibiotic Biosynthesis**

Catalog Number: 7053
Christopher T. Walsh (Medical School) 2036

***Biophysics 361. Rational Drug Design; Biomaterials Science; Biophysics**

Catalog Number: 7080
George M. Whitesides 7447

***Biophysics 362. Molecular Physiology of Ion Channels**

Catalog Number: 3784
Gary I. Yellen (Medical School) 3268

***Biophysics 363. Biophysics of Receptor-Ligand Interactions**

Catalog Number: 8687
Stephen C. Blacklow (Medical School) 1462

***Biophysics 364. Systems Cell Biology**

Catalog Number: 5528
Pamela A. Silver (Medical School) 1595

***Biophysics 365. Visual Processing in Primates**

Catalog Number: 8145
John A. Assad (Medical School) 2985



***Biophysics 366. Imaging, Optics, and Biology**

Catalog Number: 2877

David E. Clapham (Medical School) 2987

***Biophysics 367. Structure Biology of Cytoplasmic Signal Transduction**

Catalog Number: 5512

Michael J. Eck (Medical School) 1739

***Biophysics 368. Probing Polymers with Nanospores, Experimental Condensed Matter Physics**

Catalog Number: 1400

Jene A. Golovchenko 1986

***Biophysics 369. Organic Chemistry and Chemical Biology of Molecular Evolution**

Catalog Number: 6337

David R. Liu 2717

***Biophysics 370. Cytoskeleton Dynamics; Mitosis and Cell Locomotion; Small Molecule Inhibitors**

Catalog Number: 8034

Timothy J. Mitchison (Medical School) 3713

***Biophysics 371. Mechanisms of Synaptic Transmission and Plasticity**

Catalog Number: 2326

Venkatesh N. Murthy 2424 (on leave fall term)

***Biophysics 372. Protein Transport Across the ER Membrane**

Catalog Number: 6922

Tom Rapoport (Medical School) 1815

***Biophysics 373. Computational Molecular Biology**

Catalog Number: 5267

Frederick P. Roth (Medical School) 3912

***Biophysics 374. High-Resolution Electron Microscopy**

Catalog Number: 8225

Thomas Walz (Medical School) 3778

***Biophysics 375. Single-Molecule Biophysics**

Catalog Number: 7900

Xiaoliang Sunney Xie 2290

***Biophysics 376. Functional and Computational Genomics Studies of Transcription Factors and Cis Regulatory Elements**

Catalog Number: 2254

Martha L. Bulyk (Medical School) 4259



***Biophysics 377. Statistical Theory and Inference for Stochastic Processes: With Applications to Bioinformatics**

Catalog Number: 4768

Jun S. Liu 3760

***Biophysics 378. Structural and Cellular Biology of Insulin Signal Transduction**

Catalog Number: 4856

Steven E. Shoelson (Medical School) 3951

***Biophysics 379. Theoretical Population Genetics**

Catalog Number: 2274

John R. Wakeley 5680 (on leave spring term)

***Biophysics 380. Microarray Data: Issues and Challenges**

Catalog Number: 4402

James M. Hogle (Medical School) 2943 and Leonid Mirny 5773

***Biophysics 381. Single-Molecule Biophysics**

Catalog Number: 3046

Xiaowei Zhuang 3991

***Biophysics 382. Regulation of Synaptic Transmission and Dendritic Function in the Mammalian Brain**

Catalog Number: 6116

Bernardo L. Sabatini (Medical School) 4300

***Biophysics 384. NMR Spectroscopy on Membrane-associated Proteins and Peptides**

Catalog Number: 4531

James J. Chou (Medical School) 4950

***Biophysics 385. Small Molecule Signaling, Biosynthesis, and Drug Discovery**

Catalog Number: 8378

Jon Clardy (Medical School) 4667

***Biophysics 386. Synaptic Plasticity and Neuronal Networks**

Catalog Number: 3012

Florian Engert 4290

***Biophysics 387. Structural Studies of the Stereochemistry of Signaling and Transport through Biological Membranes**

Catalog Number: 6869

Rachelle Gaudet 4413

***Biophysics 388. Structural Studies of Nucleo-Protein Assemblies**

Catalog Number: 1543

David Jeruzalmi 4528



***Biophysics 389. Chemical Biology and Systems Biology**

Catalog Number: 4245

Gavin MacBeath 4347

***Biophysics 390. Regulation of Mitosis**

Catalog Number: 2157

Andrew W. Murray 3765

***Biophysics 391. Computational Methods in Genetics, Genomics and Proteomics**

Catalog Number: 7043

Shamil R. Sunyaev (Medical School) 4671

***Biophysics 392. Biophysics of Mechanosensation**

Catalog Number: 2687

David P. Corey (Medical School) 1345

***Biophysics 393. The Mechanics and Regulation of Mitosis**

Catalog Number: 6759

David Pellman (Medical School) 3702

***Biophysics 394. Experimental Biophysics**

Catalog Number: 7138

Mara Prentiss 2741

***Biophysics 395. Biophysics of Cell Adhesion and Vascular Shear Flow**

Catalog Number: 3918

Timothy A. Springer (Medical School) 6145

***Biophysics 396. Behavioral Neuroscience and Neurophysiology**

Catalog Number: 0966

Aravinthan D. T. Samuel 4625

***Biophysics 397. Research in Integrin Signaling, Cytoskeleton, and Control of Angiogenesis**

Catalog Number: 2982

Donald E. Ingber (Medical School) 2832

***Biophysics 398. Single-Molecule Novel Fluorescence and Nano-Manipulation Studies of Protein-Protein and Protein-Nucleic Acid Interactions**

Catalog Number: 2547

Antoine van Oijen (Medical School) 5084

***Biophysics 399. Biomolecular Nanotechnology**

Catalog Number: 8294

William Shih (Medical School) 5256



Biostatistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*)
Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*)
David P. Harrington, Professor of Biostatistics (*Public Health*)
Lester Kobzik, Professor of Pathology (*Public Health*)
Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics
Carl N. Morris, Professor of Statistics
Bjørn R. Olsen, Hersey Professor of Cell Biology (*Medical School*) and Professor of Developmental Biology (*Dental School*)
Frank M. Sacks, Professor of Medicine (*Medical School*)
Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)
Dyann F. Wirth, Professor of Infectious Diseases (*Public Health*)

Faculty of the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics

Louise M. Ryan, Henry Pickering Walcott Professor of Biostatistics (*Public Health*) (*Chair*)
David P. Harrington, Professor of Biostatistics (*Public Health*)
Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics
Carl N. Morris, Professor of Statistics
James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*ex officio*)

Other Faculty Offering Instruction in Biostatistics in Public Health

Rebecca A. Betensky, Professor of Biostatistics (*Public Health*)
Tianxi Cai, Associate Professor of Biostatistics (*Public Health*)
Paul J. Catalano, Senior Lecturer of Biostatistics (*Public Health*)
Brent Andrew Coull, Associate Professor of Biostatistics (*Public Health*)
Roger B. Davis, Associate Professor of Biostatistics (*Public Health*)
Victor Gerard DeGruttola, Professor of Biostatistics (*Public Health*)
Dianne Madelyn Finkelstein, Professor of Biostatistics (*Public Health*)
Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)
Kimberlee Gauvreau, Assistant Professor of Biostatistics (*Public Health*)
Richard D. Gelber, Professor of Biostatistics (*Public Health*)
Rebecca S. Gelman, Associate Professor of Biostatistics (*Public Health*)
Robert J. Glynn, Associate Professor of Biostatistics (*Public Health*)
Robert James Gray, Professor of Biostatistics (*Public Health*)
David P. Harrington, Professor of Biostatistics (*Public Health*)



Michael David Hughes, Professor of Biostatistics (*Public Health*)
 Rima Izem
 Hongyu Jiang, Assistant Professor of Biostatistics (*Public Health*)
 Peter Kraft, Assistant Professor of Epidemiology (*Public Health*)
 Karen M. Kuntz, Adjunct Associate Professor of Health Decision Science (*Public Health*)
 Christoph Lange, Assistant Professor of Medicine (*Medical School*) and Associate Professor of Biostatistics (*Public Health*)
 Nicholas T. Lange, Associate Professor of Biostatistics (*Public Health*)
 Cheng Li, Associate Professor of Biostatistics (*Public Health*)
 Yi Li, Associate Professor of Biostatistics (*Public Health*)
 Xihong Lin, Professor of Biostatistics (*Public Health*)
 Jun S. Liu, Professor of Statistics
 Xiaole Shirley Liu, Associate Professor of Biostatistics (*Public Health*)
 Judith Lok, Assistant Professor of Biostatistics
 Donna S. Neuberg, Senior Lecturer on Biostatistics (*Public Health*)
 Sharon-Lise T. Normand, Professor of Health Care Policy (*Medical School*) and Professor in the Department of Biostatistics (*Public Health*)
 Endel J. Orav, Associate Professor of Biostatistics (*Public Health*)
 Alexander Ozonoff, Adjunct Assistant Professor of Biostatistics (*Public Health*)
 Christopher J. Paciorek, Assistant Professor of Biostatistics (*Public Health*)
 Marcello Pagano, Professor of Statistical Computing (*Public Health*)
 John Quackenbush, Professor of Computational Biology and Bioinformatics (*Public Health*)
 James M. Robins, Professor of Epidemiology and Biostatistics (*Public Health*)
 Bernard Rosner, Professor of Medicine (*Medical School, Public Health*)
 Andrea Gloria Rotnitzky, Adjunct Professor of Biostatistics (*Public Health*)
 David A. Schoenfeld, Professor of Biostatistics (*Public Health*)
 Armin Schwartzman, Assistant Professor of Biostatistics (*Public Health*)
 Donna Lynn Spiegelman, Professor of Epidemiologic Methods (*Public Health*)
 Kenneth E. Stanley, Lecturer on Statistics (*FAS*) and Lecturer on Biostatistics (*Public Health*)
 Marcia Anne Testa Simonson, Senior Lecturer on Biostatistics (*Public Health*)
 Molin Wang, Assistant Professor of Biostatistics (*Public Health*)
 Lee-Jen Wei, Professor of Biostatistics (*Public Health*)
 Milton C. Weinstein, Henry J. Kaiser Professor of Health Policy and Management and Biostatistics (*Public Health*) and Professor of Medicine (*Medical School, Public Health*) (*on leave 2008-09*)
 Laura Forsberg White, Adjunct Assistant Professor of Biostatistics (*Public Health*)
 Paige L. Williams, Senior Lecturer on Biostatistics (*Public Health*)
 David Wypij, Senior Lecturer on Biostatistics (*Public Health*)
 Grace Wyshak, Associate Professor of Biostatistics and Population and International Health (*Public Health*)
 Guocheng Yuan, Assistant Professor of Computational Biology and Bioinformatics (*Public Health*)
 Marvin Zelen, Professor of Statistical Science (*Public Health*)

Primarily for Graduates



Further details about the course descriptions below can be found in their entirety at www.biostat.harvard.edu/courses/course.html

***Biostatistics 230. Probability Theory and Applications I**

Catalog Number: 6183

Armin Schwartzman (Public Health)

Half course (fall term). M., W., 8:30–10:20, and a two-hour lab each week.

Axiomatic foundations of probability, independence, conditional probability, joint distributions, transformations, moment generating functions, characteristic functions, moment inequalities, sampling distributions, modes of convergence and their interrelationships, laws of large numbers, central limit theorem, and stochastic processes.

Note: Offered jointly with the School of Public Health as BIO230.

***Biostatistics 231. Statistical Inference I**

Catalog Number: 8773

Yi Li (Public Health)

Half course (spring term). M., W., 10:30–12:20, and a 90-minute lab each week.

Exponential families, sufficiency, ancillarity, completeness, method of moments, maximum likelihood, unbiased estimation, Rao-Blackwell and Lehmann-Scheffe theorems, information inequality, Neyman-Pearson theory, likelihood ratio, score and Wald tests, uniformly and locally most powerful tests, asymptotic relative efficiency.

Note: Offered jointly with the School of Public Health as BIO231.

Prerequisite: Biostatistics 230 or signature of instructor required.

***Biostatistics 232. Methods I**

Catalog Number: 0131

Victor Gerard DeGruttola (Public Health)

Half course (fall term). M., W., 10:30–12:20.

Introductory course in the analysis of Gaussian and categorical data. The general linear regression model, ANOVA, robust alternatives based on permutations, model building, resampling methods (bootstrap and jackknife), contingency tables, exact methods, logistic regression.

Note: Offered jointly with the School of Public Health as BIO232.

Prerequisite: Signature of instructor required.

***Biostatistics 233. Methods II**

Catalog Number: 7804

Brent Andrew Coull (Public Health)

Half course (spring term). M., W., 8:30–10:20, and a 90-minute lab each week.

Intermediate course in the analysis of Gaussian, categorical, and survival data. The generalized linear model, Poisson regression, random effects and mixed models, comparing survival distributions, proportional hazards regression, splines and smoothing, the generalized additive model.

Note: Offered jointly with the School of Public Health as BIO233.

Prerequisite: Biostatistics 232 or signature of instructor required.



***Biostatistics 235. Regression and Analysis of Variance**

Catalog Number: 7549

Marvin Zelen (Public Health)

Half course (fall term). M., W., 10:30–12:20.

An advanced course in linear models - regression and analysis of variance. Estimation (maximum likelihood and least squares) and inference (confidence intervals, hypothesis testing, analysis of residuals) are presented from a theoretical and data analysis perspective.

Note: Offered jointly with the School of Public Health as BIO235.

Prerequisite: Biostatistics 230 and Biostatistics 232. Background in matrix algebra and linear regression required.

Biostatistics 237. Modern Statistical Computing Environments - (New Course)

Catalog Number: 7940 Enrollment: Enrollment in a biostatistics or related degree program required.

Cheng Li (Public Health)

Half course (fall term). Tu., Th., 3:30–5:20.

Acquaints students with statistical computing environments under windows and Linux systems. Taught in a computing lab, the course consists of lectures, demonstrations and hands-on exercises. Example topics include R, SAS, LaTeX, Python, and online resources.

Note: Offered jointly with the School of Public Health as BIO237.

Biostatistics 238. Principles and Advanced Topics in Clinical Trials - (New Course)

Catalog Number: 9623

Stephen W. Lagakos (Public Health)

Half course (spring term). M., W., 1:30–3:20, and one one and one-half lab to be arranged.

EXAM GROUP: 6, 7, 8

This course focuses on selected advanced topics in the design, analysis, and interpretation of clinical trials, including study design; choice of endpoints (including surrogate endpoints); interim analyses and group sequential methods; subgroup analyses; and meta-analyses.

Prerequisite: BIST 230, and BIST 231 (may be taken concurrently) or signature of instructor required.

Biostatistics 244. Analysis of Failure Time Data

Catalog Number: 2140

Judith Lok

Half course (fall term). M., W., 1:30–3:20, and a two-hour lab each week.

Discusses the theoretical basis of concepts and methodologies associated with survival data and censoring, nonparametric tests, and competing risk models. Much of the theory is developed using counting processes and martingale methods.

Note: Offered jointly with the School of Public Health as BIO244.

Prerequisite: Biostatistics 231 and Biostatistics 233.

Biostatistics 245. Analysis of Multivariate and Longitudinal Data

Catalog Number: 3247

Xihong Lin (Public Health)

Half course (spring term). M., W., 10:30–12:20.



The multivariate normal distribution, Hotelling's T², MANOVA, repeated measures, the multivariate linear model, random effects and growth curve models, generalized estimating equations, multivariate categorical outcomes, missing data, computational issues for traditional and new methodologies.

Note: Offered jointly with the School of Public Health as BIO245.

Prerequisite: Biostatistics 231 and Biostatistics 235.

[*Biostatistics 247. Design of Scientific Investigations]

Catalog Number: 3723

Half course (spring term). Tu., Th., 3:30–5:20.

Sample size considerations, basic principles of experimental design (randomization, replication, and balance), block designs, factorial experiments, response surface modeling, optimal design, clinical trials, adaptive, and sequential designs.

Note: Expected to be given in 2009–10. Offered jointly with the School of Public Health as BIO247. Offered in alternate years. Minimum enrollment of 10 students required.

Prerequisite: Biostatistics 235.

[*Biostatistics 248. Advanced Statistical Computing]

Catalog Number: 6420

Half course (spring term). M., W., 8:30–10:20.

Computer arithmetic, matrix algebra, numerical optimization with application to MLEs and GEEs, spline smoothing, numerical integration, random number generation, simulation methods, Gibbs sampling, bootstrap methods, missing data and EM, imputation, and data augmentation algorithms.

Note: Expected to be given in 2009–10. Offered jointly with the School of Public Health as BIO248.

Prerequisite: Students should be proficient with C or Fortran programming. Biostatistics 235 or signature of instructor required.

***Biostatistics 249. Bayesian Methodology in Biostatistics**

Catalog Number: 0759

Christopher J. Paciorek (Public Health)

Half course (spring term). M., W., 8:30–10:20.

General principles of the Bayesian approach, prior distributions, hierarchical models and modeling techniques, approximate inference, Markov chain Monte Carlo methods, model assessment and comparison. Bayesian approaches to GLMMs, multiple testing, nonparametrics, clinical trials, survival analysis.

Note: Offered jointly with the School of Public Health as BIO249. Offered in alternate years.

Prerequisite: Biostatistics 231 and Biostatistics 232, or signature of instructor required.

[*Biostatistics 250. Probability Theory and Applications II]

Catalog Number: 5076

Half course (spring term). Tu., Th., 1:30–3:20.



Basic set theory, measure theory, Riemann-Stieltjes and Lebesgue integration, conditional probability, conditional expectation (projection), martingales, Radon-Nikodym derivative, product measure and Fubini's Theorem, limit theorems on sequences of random variables, stochastic processes, weak convergence.

Note: Expected to be given in 2009–10. Offered jointly with the School of Public Health as BIO250.

Prerequisite: Biostatistics 230 and Biostatistics 232, or signature of instructor required.

Biostatistics 251. Statistical Inference II

Catalog Number: 5280

Tianxi Cai (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20, and a two-hour lab each week.

Advanced topics in statistical inference. Limit theorems, multivariate delta method, properties of maximum likelihood estimators, saddle point approximations, asymptotic relative efficiency, robust and rank-based procedures, resampling methods, nonparametric curve estimation.

Note: Offered jointly with the School of Public Health as BIO251.

Prerequisite: Biostatistics 231.

Biostatistics 257. Advanced Statistical Genetics

Catalog Number: 8359

Christoph Lange (Public Health)

Half course (spring term). F., 1:30–5:20.

This survey course, intended for a wide audience, will provide an introduction to analytic techniques for modern genomics and genetics. Topics include genome sequencing, DNA microarrays, proteomics, genetic epidemiology and gene mapping for complex disease.

Prerequisite: BIO 231 and BIO 233, or permission of instructor required.

[Biostatistics 274. Stochastic Models in Public Health] - (New Course)

Catalog Number: 7836

Marcello Pagano (Public Health)

Half course (spring term). Th., 1:30–3:20, and one one and one-half lab to be arranged. EXAM GROUP: 15, 16, 17

The aim of this course is to develop those aspects of stochastic processes that are relevant for modeling important problems in public health. Topics include Markov processes, epidemic models, and inference associated with these models.

Note: Expected to be given in 2009–10. Offered jointly with the School of Public Health as BIO274.

Prerequisite: BIST 230 and BIST 231 required.

Biostatistics 277. Computational Biology

Catalog Number: 1337

Guocheng Yuan (Public Health)

Half course (fall term). M., W., 3:30–5:20.

Introduction to statistical methods for biological problems including microarray analysis, motif finding, CHIP-chip data, and gene regulatory network. Topics include multiple hypothesis testing, clustering and classification, variable selection, hidden Markov models, and Bayesian



networks.

Note: Cannot be taken Pass/Fail. Offered jointly with the School of Public Health as BIO277.

Prerequisite: BIO 230 and BIO 231, or permission of instructor required.

[Biostatistics 283. Spatial Statistics for Social Inquiry and Health Research]

Catalog Number: 4101

Christopher J. Paciorek (Public Health), Rima Izem, and Louise M. Ryan (Public Health)

Half course (spring term). Tu., Th., 10:30–12.

Introduction to spatial statistics with application to social science and public health research.

Emphasizes methods for the analysis and visualization of three basic types of spatial data: area data, point (geostatistical) data, and point processes.

Note: Expected to be given in 2009–10. Heavy emphasis on real applied problems through case studies, guest lectures, and student projects. Basic GIS skills will be covered in a short module.

Required lab or section time will be announced at first meeting. May not be taken for credit if Statistics 155 has already been taken. May not be taken concurrently with Statistics 155. Offered jointly with the School of Public Health as BIO 283.

Prerequisite: Biostatistics 210, or 211, or 213, and Biostatistics 503, or permission of instructor.

[Biostatistics 290. Genomics & Genetics for Health Research]

Catalog Number: 9941

Half course (spring term). M., W., 3:30–5:20.

This survey course is intended for a wide audience and will provide an introduction to genomics and genetics-inspired techniques and tools for their analysis, including genome sequencing, DNA microarrays, proteomics, and high density genetic screens.

Note: Expected to be given in 2009–10.

Prerequisite: BIO 200, or BIO 201, or BIO 202 and BIO 203, or BIO 206 and one of BIO 207, BIO 208, or BIO 209, and EPI 200 or EPI 201, or signature of instructor required.

[Biostatistics 291. Statistical Methods for Causality]

Catalog Number: 5654

Andrea Gloria Rotnitzky (Public Health) and James M. Robins (Public Health)

Half course (spring term). Tu., Th., 3:30–5:20.

Theory of directed acyclic graph models. Identifiability of causal contrasts. Theory and applications of locally semiparametric efficient doubly-robust estimation in two models for counterfactual variables: marginal structural models and structural nested models.

Note: Expected to be given in 2009–10.

Prerequisite: BIO 231, or permission of instructor required.

Graduate Courses of Reading and Research

***Biostatistics 350. Research**

Catalog Number: 0406

Members of the Department

For doctoral candidates who have passed their written qualifying examination and who are



undertaking advanced work along the lines of fundamental or applied dissertation research in the department.

Business Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Business Studies

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, whose chair had not been determined at the time *Courses of Instruction* went to press, is composed of the members of the following subcommittees:

Subcommittee on the Degree of Doctor of Philosophy in Business Economics

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*Chair*)
 George P. Baker, Class of 1966 Professor of Business Administration (*Business School*)
 John Y. Campbell, Harvard College Professor and Morton L. and Carole S. Olshan Professor of Economics (*on leave 2008-09*)
 Mihir A. Desai, Professor of Business Administration (*Business School*) (*ex officio*)
 Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)
 Ariel Pakes, Thomas Professor of Economics
 Alvin E. Roth, George Gund Professor of Economics (*FAS*) and George Gund Professor of Economics and Business Administration (*Business School*)
 David S. Scharfstein, Edmund Cogswell Converse Professor of Finance and Banking (*Business School*)
 Luis M. Viceira, Professor of Business Administration (*Business School*)
 Dennis A. Yao, Professor of Business Administration (*Business School*)

Subcommittee on the Degree of Doctor of Philosophy in Organizational Behavior

Peter V. Marsden, Harvard College Professor and Professor of Sociology (*Chair*) (*on leave fall term*)
 Mihir A. Desai, Professor of Business Administration (*Business School*) (*ex officio*)
 Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*)
 J. Richard Hackman, Edgar Pierce Professor of Social and Organizational Psychology
 Jeffrey T. Polzer, Associate Professor of Business Administration (*Business School*)



Toby Evan Stuart, Charles Edward Wilson Professor of Business Administration (*Business School*)

Michael Tushman, Paul R. Lawrence MBA Class of 1942 Professor of Business Administration (*Business School*)

Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)

Subcommittee on the Degree of Doctor of Philosophy in Science, Technology, and Management

Stefan Thomke, William Barclay Harding Professor of Business Administration (*Business School*) (*Co-Chair*)

Woodward Yang, Gordon McKay Professor of Electrical Engineering and Computer Science (*Co-Chair*)

Carliss Y. Baldwin, William L. White Professor of Business Administration (*Business School*)

Mihir A. Desai, Professor of Business Administration (*Business School*) (*ex officio*)

Lee Fleming, Associate Professor of Business Administration (*Business School*)

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics

David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences (*on leave fall term*)

Vicki L. Sato, Professor of the Practice of Molecular and Cellular Biology (*FAS*) and Professor of Management Practice (*Business School*)

Other Faculty Offering Instruction in Business Studies

Clayton M. Christensen, Robert and Jane Cizik Professor of Business Administration (*Business School*)

Robin J. Ely, Associate Professor of Business Studies (*Business School*)

Giovanni Gavetti, Assistant Professor of Business Administration (*Business School*)

Clark G. Gilbert, Assistant Professor of Business Administration (*Business School*)

John T. Gourville, Associate Professor of Business Administration (*Business School*)

Geoffrey Jones, Professor of Business Administration (*Business School*)

Michael D. Kimbrough, Assistant Professor of Business Administration (*Business School*)

Gary Pisano, Harry E. Figgie, Jr. Professor of Business Administration (*Business School*) (*on leave 2008-09*)

Mikolaj J. Piskorski, Assistant Professor of Business Administration (*Business School*)

Ananth Raman, UPS Foundation Professor of Business Logistics (*Business School*)

Jordan I. Siegel, Assistant Professor of Business Administration (*Business School*)

Noel Watson, Assistant Professor of Business Administration (*Business School*)

PhD programs in Business Economics, Organizational Behavior, and Information Technology and Management are administered by the Standing Committee on Higher degrees in Business Studies consisting of members from both Harvard Business School (HBS) and the Faculty of Arts and Sciences (FAS). The programs are intended for students who wish to enter careers in scholarship and advanced research.



For the latest Doctoral Program course offerings from the Harvard Business School, please visit www.hbs.edu/doctoral/registrar/course.html.

Celtic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Celtic Languages and Literatures

Catherine McKenna, Margaret Brooks Robinson Professor of Celtic Languages and Literatures
(Chair) (on leave spring term)

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (Director of Graduate
Studies) (Acting Chair, spring term)

Barbara L. Hillers, Associate Professor of Celtic Languages and Literatures

Other Faculty Offering Instruction in the Department of Celtic Languages and Literatures

Patrick K. Ford, Margaret Brooks Robinson Research Professor of Celtic Languages and
Literatures

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language
courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads
to determine if a course is offered on that basis.

Primarily for Undergraduates

***Celtic 91r. Supervised Reading and Research**

Catalog Number: 1323

Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Instruction and direction of reading on topics not treated in regular courses of instruction.

For Undergraduates and Graduates

[Celtic 107. Early Irish History]

Catalog Number: 7976

Gene C. Haley

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to the history of Ireland from the advent of Christianity, through the Viking



incursions, to the Anglo-Norman conquest of 1167 A.D. Making use of such historical and pseudo-historical sources as the Irish annals, regnal lists, genealogies, laws, martyrologies and other hagiography; as well as archaeological and climatological evidence; the course examines major social, political, military, religious, and cultural developments in the so-called 'Celtic' Ireland.

Note: Expected to be given in 2009–10. No knowledge of Irish required; all texts are read in English translation.

Celtic 128. Introduction to Modern Welsh

Catalog Number: 4148

Catherine McKenna and others

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the Welsh language as spoken and written today, designed for those with little or no prior knowledge of this vibrant Celtic language. Intensive conversation practice is provided, and students learn to write fluently. Internet, audio and video exercises using dialogue, music and film augment a contextualized grammatical survey, and use of authentic literary texts increases as the course progresses.

Note: The combination of Celtic 128 followed by Celtic 129r satisfies the language requirement. It is recommended in any case that this course be followed by Celtic 129r. May not be taken Pass/Fail. Not open to auditors.

Celtic 129r. Intermediate Modern Welsh

Catalog Number: 4694

Catherine McKenna and others

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Direct continuation of Celtic 128, developing and deepening students' knowledge of, and skill in, the modern spoken and written language. By the end of the semester students will be able to converse, read and write in a number of registers of idiomatic Welsh (academic, literary, informal). Various media, featuring dialogue, music and film, augment the advanced grammatical survey. Central cultural and historical issues are discussed.

Note: This course, when taken following Celtic 128, satisfies the language requirement. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: Celtic 128 or permission of instructor.

[Celtic 130. Introduction to Scottish Gaelic]

Catalog Number: 1846

----- *and others.*

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the spoken and written language.

Note: Expected to be given in 2009–10. The combination of Celtic 130 followed by Celtic 131 satisfies the language requirement. It is recommended in any case that this course be followed by Celtic 131. May not be taken Pass/Fail. Not open to auditors.

[Celtic 131. Intermediate Scottish Gaelic]

Catalog Number: 4542

----- *and others*



Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

A continuation of the fall term course.

Note: Expected to be given in 2009–10. This course, when taken following Celtic 130, satisfies the language requirement. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: Celtic 130 or equivalent.

***Celtic 132. Introduction to Modern Irish**

Catalog Number: 6725 Enrollment: Limited to 15.

Barbara L. Hillers and others

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

An introduction to Irish as it is spoken and written today. Class work is participatory, and includes conversational role play and games as well as grammar study and drills. Audio and audiovisual resources reinforce pronunciation and aural comprehension. Songs, proverbs, and poems are an integral part of the course, introducing students to the vibrant oral and literary tradition of Gaelic Ireland.

Note: The combination of Celtic 132 and 133r satisfies the language requirement. It is recommended in any case that this course be followed by Celtic 133r. May not be taken Pass/Fail. Not open to auditors.

***Celtic 133r. Intermediate Modern Irish**

Catalog Number: 6689 Enrollment: Limited to 15.

Barbara L. Hillers and others

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

A continuation of Celtic 132, developing students' fluency in spoken and written Irish. As our knowledge of the language expands, we venture into storytelling, journal writing and writing and performing short skits. Internet, audio and video resources complement the study of grammar and select prose texts.

Note: This course, when taken following Celtic 132, satisfies the language requirement. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: Celtic 132 or permission of instructor.

Celtic 137. Celtic Mythology

Catalog Number: 1300

Tomás Ó Cathasaigh

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A survey of the sources for the study of Celtic mythology, with special attention to selected texts from early Ireland and Wales.

Note: Expected to be omitted in 2009–10. All texts are read in English translation.

[Celtic 138. Narrative Traditions of Medieval Wales]

Catalog Number: 6480

Catherine McKenna

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An exploration of the Four Branches of the Mabinogi, Welsh Arthurian romances and tales, and the bardic lore associated with them, in the context of the literary culture of Wales in the twelfth



through fourteenth centuries.

Note: Expected to be given in 2009–10. All texts are read in English translation.

[Celtic 151. The Literature of Medieval Celtic Christianity]

Catalog Number: 5560

Catherine McKenna

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A study of selected texts representative of early and medieval Christianity in Ireland and Wales, including monastic rules and penitentials, saints' lives, voyage and vision narratives, and lyric and bardic poetry.

Note: Expected to be given in 2009–10. All texts are read in English translation.

[Celtic 160r. Advanced Modern Irish]

Catalog Number: 0704

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Geared to the interests and aptitudes of the participants, this course enhances students' confidence in using Irish as a medium of oral and written communication and introduces them to the Gaelic literary tradition.

Note: Expected to be given in 2010–11. It is suggested that this course be followed by Celtic 161r.

Prerequisite: Celtic 133r or permission of instructor.

[Celtic 161r. Continuing Advanced Modern Irish]

Catalog Number: 4421

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Continuation of the fall term course.

Note: Expected to be given in 2010–11.

Prerequisite: Celtic 160r or permission of instructor.

Celtic 166. The Folklore of Women

Catalog Number: 0509

Barbara L. Hillers

Half course (spring term). M., W., (F.), at 3. EXAM GROUP: 8

Investigates women's songs and stories collected from Irish, Scottish, and Breton oral tradition. Reading (and, whenever possible, listening to) ballads, work songs, wonder tales, fairy legends, and humorous anecdotes traditionally performed by women, we explore the way women have used oral literature to enhance, underscore, sidestep, subvert, and transcend the gender roles allocated to them within their rural patriarchal communities.

Note: Expected to be omitted in 2009–10. All texts are read in English translation.

Celtic 184. The Táin

Catalog Number: 2150

Tomás Ó Cathasaigh

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5



A study of the exuberant Irish prose epic *Táin Bó Cuailnge* ('Cattle-Raid of Cooley').

Note: Expected to be omitted in 2009–10. Text read in English translation.

Celtic 192. Modern Irish Poetry and Drama - (New Course)

Catalog Number: 2980

Barbara L. Hillers

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

A survey of twentieth-century poetry and drama in Irish, from its beginnings to the present day. There is an emphasis on class participation, and the course aims to expand students' command of the language.

Note: Conducted in Irish. To be omitted in 2009-2010.

Celtic 193. Modern Irish Prose Literature - (New Course)

Catalog Number: 8390

Barbara L. Hillers

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

An exploration of twentieth-century prose literature in Irish, including the novel, short story, and autobiography. The course is geared to the interest and abilities of the participants and designed to increase students' fluency and confidence in using the language as a medium of sophisticated discourse.

Note: Conducted in Irish. To be omitted in 2009-2010.

Cross-listed Courses

Literature and Arts A-67. Poetry and Power: The Celtic Bard

[Literature and Arts C-20. The Hero of Irish Myth and Saga]

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy]

[Scandinavian 160br (formerly Scandinavian 160b). Old Norse Language, Literature, and Culture: Mythology]

Primarily for Graduates

[Celtic 200. Introduction to Old Irish]

Catalog Number: 8266

Tomás Ó Cathasaigh

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

An introduction to the language of the eighth and ninth centuries, with elementary readings in prose texts.

Note: Expected to be given in 2009–10. It is suggested that this course be followed by Celtic 201.

[Celtic 201. Continuing Old Irish]

Catalog Number: 6073

Tomás Ó Cathasaigh



Half course (spring term). M., W., F., at 2. EXAM GROUP: 7
Further grammatical study, with continued reading of saga texts.
Note: Expected to be given in 2009–10.
Prerequisite: Celtic 200 or permission of the instructor.

Celtic 204r. Readings in Early Irish Poetry

Catalog Number: 8493
Tomás Ó Cathasaigh
Half course (fall term). M., W., (F.), at 2. EXAM GROUP: 7
Readings in selected texts.
Note: Expected to be omitted in 2009–10.
Prerequisite: Celtic 200 or permission of the instructor.

Celtic 205r. Readings in Early Irish Prose

Catalog Number: 2705
Tomás Ó Cathasaigh
Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7
Readings in selected texts.
Note: Expected to be omitted in 2009–10.
Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 222. Early Irish Manuscript Tradition]

Catalog Number: 1040

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9
An exploration of the contents and background of the most important manuscript codices, and a practical introduction to Irish palaeography.
Note: Expected to be given in 2009–10.
Prerequisite: A knowledge of Irish and/or Latin is helpful.

Celtic 225a. Introduction to Middle Welsh

Catalog Number: 3960
Catherine McKenna
Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16
Introduction to the language, leading to the reading of Middle Welsh prose texts. We read one of the *Four Branches of the Mabinogi* and selections from other works.
Note: Expected to be omitted in 2009–10. 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 2009–10.
Prerequisite: Celtic 225a or permission of instructor.



[Celtic 226r. Readings in Middle Welsh]

Catalog Number: 2796

Catherine McKenna

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Readings in native tales, romance, and the poetry of the *cywyddwyr*.

Note: Expected to be given in 2009–10.

Prerequisite: Celtic 225b or permission of the instructor.

[Celtic 227. Seminar: Welsh Bardic Poetry]

Catalog Number: 2580

Catherine McKenna

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Readings from the *beirdd y tywysogion* and the *beirdd yr uchelwyr*; consideration of the social and political contexts of their poetry, its forms, and its relationship to other medieval European poetic traditions.

Note: Expected to be given in 2009–10.

Prerequisite: Knowledge of Welsh or permission of the instructor.

Graduate Courses of Reading and Research

***Celtic 300. Reading and Research**

Catalog Number: 5614

Barbara L. Hillers 3342, Catherine McKenna 5253 (on leave spring term), and Tomás Ó Cathasaigh 1224

***Celtic 305. Preparation of Doctoral Dissertation**

Catalog Number: 0375

Barbara L. Hillers 3342, Catherine McKenna 5253 (on leave spring term), Tomás Ó Cathasaigh 1224

Chemical and Physical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Chemical and Physical Biology

Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology (*Chair and Co-Head Tutor*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology



Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics
Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Melissa Franklin, Mallinckrodt Professor of Physics
Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology
Stephen C. Harrison, Giovanni Armenise - Harvard Professor of Basic Biomedical Science and Professor of Pediatrics (*Medical School*)
David Jeruzalmi, Associate Professor of Molecular and Cellular Biology
Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Co-Head Tutor*)
Nancy Kleckner, Herchel Smith Professor of Molecular Biology
David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor
Richard M. Losick, Maria Moors Cabot Professor of Biology
Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology
David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
Stuart L. Schreiber, Morris Loeb Professor of Chemistry
Gregory C. Tucci, Senior Lecturer on Chemistry and Chemical Biology
Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Chemical and Physical Biology

A. Thomas Torello, Lecturer on Molecular and Cellular Biology

The Chemical and Physical Biology concentration is overseen by a Standing Committee, which includes representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program. The Board of Tutors in Biochemical Sciences, which was established in 1926, runs the Tutorial program for the Chemical and Physical Biology concentration and the Molecular and Cellular Biology concentration. The Tutorial program offers individualized instruction to all concentrators beginning at the time of declaration.

The concentration aims to provide students with the background needed to make new advances in the quantitative understanding of living systems. Chemical and physical biology provides a link between classical approaches to studying biology and the chemical tools and physical methods required to understand dynamic changes in complex biological systems. For more information about Chemical and Physical Biology courses and the Life Sciences concentrations, visit www.lifescience.fas.harvard.edu/concentrations/.

Primarily for Undergraduates

***Chemical and Physical Biology 91r. Introduction to Research**

Catalog Number: 9168



A. Thomas Torello

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the CPB concentration under the direction of, or approved by, members of the Board of Tutors in CPB. A paper must be submitted to the laboratory sponsor and to the CPB Student Affairs Office for review by the Head Tutor and Course Director.

Note: Limited to CPB concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the CPB Concentration Office prior to enrolling in the course. Ordinarily may not be taken as a fifth course.

***Chemical and Physical Biology 99. Laboratory Research for Honors Thesis**

Catalog Number: 7918

A. Thomas Torello

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in CPB. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Course Director. Students may enter the course at midyear only with the permission of the Course Director. The thesis proposal must be approved by the Course Director and Head Tutors prior to enrolling in CPB 99. Ordinarily may not be taken as a fifth course.

Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Chemical Biology

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
(*Co-Chair*)

David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor (*Co-Chair*)

Ulrike Sophie Eggert, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology

Gregory L. Verdine, Erving Professor of Chemistry

Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)

Other Faculty Offering Instruction in Chemical Biology



Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)
Nathanael Gray, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Deborah Tan Hung, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Eric N. Jacobsen, Sheldon Emery Professor of Chemistry
Randy King, Associate Professor of Cell Biology (*Medical School*)
David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor
Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
Andrew G. Myers, Professor of Chemistry and Chemical Biology
Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology
Stuart L. Schreiber, Morris Loeb Professor of Chemistry
Matthew D. Shair, Professor of Chemistry and Chemical Biology (*on leave 2008-09*)
Pamela A. Silver, Professor of Systems Biology (*Medical School*)
Loren D. Walensky, Assistant Professor of Pediatrics (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology
Priscilla Yang, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Primarily for Graduates

Chemical Biology 2100. Introduction to Chemical Biology I

Catalog Number: 4030

Suzanne Walker (*Medical School*), Ulrike Sophie Eggert (*Medical School*), and Nathanael Gray (*Medical School*)

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

This introductory course examines key areas of biology from a chemical perspective, discusses the use of chemical approaches to study biological systems, and explores new strategies to treat disease.

Prerequisite: A basic knowledge of organic chemistry.

[Chemical Biology 2101. Strategies in Chemical Biology]

Catalog Number: 5212

Suzanne Walker (*Medical School*)

Half course (spring term). Hours to be arranged.

Successful applications of chemical techniques that address biological questions will be dealt with in a series of structured modules. Each module consists of formal lectures, discussions of recent literature, and presentations from outside speakers.

Note: Expected to be given in 2009–10. Intended for first-year graduate students in the Chemical Biology program, although others will be admitted with the permission of the instructors.

Prerequisite: Chemical Biology 2100 or equivalent.



***Chemical Biology 2200. Introduction to Chemical Biology II - (New Course)**

Catalog Number: 3459 Enrollment: Limited to 10.

Suzanne Walker (Medical School) and Ulrike Sophie Eggert (Medical School)

Half course (spring term). M., through F., 10am - 5pm (two weeks in mid January (1/12/09 - 1/26/09), followed by five 90-minute meetings (4/27/09 - 5/8/09).

This course will provide a survey of major topics, technologies, and themes in Chemical Biology, with hands-on exposure to a variety of experimental approaches, followed by an introduction to proposal writing.

Note: Intended for first-year graduate students in the Chemical Biology Program; permission of the instructor required for all others.

Cross-listed Courses

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

BCMP 230. Principles and Practice of Drug Development

Biophysics 101 (Genomics and Computational Biology). Computational Biology

Cell Biology 201. Molecular Biology of the Cell

Chemistry 135. Experimental Synthetic Chemistry

Chemistry 163. Frontiers in Biophysics

[*Chemistry 185 (formerly *Chemistry 285). Molecular Pathophysiology and Pharmacology of Human Disease]

***Chemistry 206. Advanced Organic Chemistry**

[*Chemistry 215 (formerly Chemistry 115). Advanced Organic Chemistry: Synthesis of Complex Molecules]

***Chemistry 270. Chemical Biology**

[*Chemistry 280 (formerly Chemistry 180). Macromolecular Structure and Function]

Genetics 201. Principles of Genetics

***MCB 155. Molecular Mechanisms of Gene Control**

MCB 156. Structural Biology of the Flow of Information in the Cell

Microbiology 200. Molecular Microbiology and Pathogenesis

Neurobiology 200. Introduction to Neurobiology

Virology 201. Virology

Graduate Courses of Reading and Research

***Chemical Biology 350. Chemical Biology Research**

Catalog Number: 9668

Members of the Committee

Upper level Chemical Biology students register for this course when they permanently join a lab. Students should register under the supervising PI.

***Chemical Biology 3000. Introduction to Laboratory Research**

Catalog Number: 1888

Jon Clardy (Medical School) 4667 and members of the Committee



This course will introduce the research areas of Chemical Biology faculty members.
Note: Chemical Biology students register for lab rotations under this course number.

Chemical Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Degree of Doctor of Philosophy in Chemical Physics

Eric J. Heller, Professor of Chemistry and Physics (*Chair*)
Alán Aspuru-Guzik, Assistant Professor of Chemistry and Chemical Biology
Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics
John M. Doyle, Professor of Physics
Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry (*on leave 2008-09*)
Mikhail D. Lukin, Professor of Physics (*on leave spring term*)
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Chemical Physics

Alexander Dalgarno, Phillips Professor of Astronomy
Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
Eric Mazur, 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

The degree of Doctor of Philosophy in Chemical Physics is offered to students with undergraduate education in chemistry or physics. It provides a program of study and research in joint areas of physics and chemistry. The Committee in Chemical Physics serves to aid students interested in chemical physics plan their program of graduate studies. The program of research leading to the PhD may be carried out under the direction of members of the departments of Chemistry, Physics, Astronomy, and the School of Engineering and Applied Sciences who have interests in chemical physics. Specific information may be obtained from any member of the committee and from the Department of Chemistry Information Office.



Chemistry and Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Chemistry and Chemical Biology

Andrew G. Myers, Professor of Chemistry and Chemical Biology (*Chair*)
 Joanna Aizenberg, Gordon McKay Professor of Materials Science
 James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry
 Alán Aspuru-Guzik, Assistant Professor of Chemistry and Chemical Biology
 Theodore A. Betley, Assistant Professor of Chemistry and Chemical Biology
 Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics
 Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science
 Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry (*on leave 2008-09*)
 Eric J. Heller, Professor of Chemistry and Physics
 Eric N. Jacobsen, Sheldon Emery Professor of Chemistry
 Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Director of Undergraduate Studies*)
 Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
 David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor
 Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
 Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
 Hongkun Park, Professor of Chemistry and Chemical Biology
 Tobias Ritter, Assistant Professor of Chemistry and Chemical Biology
 Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology
 Stuart L. Schreiber, Morris Loeb Professor of Chemistry
 Matthew D. Shair, Professor of Chemistry and Chemical Biology (*Director of Graduate Studies*) (*on leave 2008-09*)
 Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
 Marie Colleen Spong, Preceptor in Chemistry and Chemical Biology
 Brian Noel Tse, Preceptor in Chemistry and Chemical Biology
 Gregory L. Verdine, Erving Professor of Chemistry
 George M. Whitesides, Woodford L. and Ann A. Flowers University Professor
 Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology
 Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in the Department of Chemistry and Chemical Biology



Allen Dennis Aloise, Lecturer on Chemistry and Chemical Biology
Tamara J. Brenner, Lecturer on Molecular and Cellular Biology
David A. Evans, Abbott and James Lawrence Research Professor of Chemistry, Abbott and James Lawrence Professor of Chemistry, Emeritus
Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science
John Huth, Donner Professor of Science
Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology
Vinothan N. Manoharan, Assistant Professor of Physics and Chemical Engineering
Logan S. McCarty, Lecturer on Chemistry and Chemical Biology
Ryan M. Spoering, Lecturer on Chemistry and Chemical Biology
Gregory C. Tucci, Senior Lecturer on Chemistry and Chemical Biology (*Co-Director of Undergraduate Studies*)
Damian W. Young, Lecturer on Chemistry and Chemical Biology

Affiliates of the Department of Chemistry and Chemical Biology

Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)
Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Incoming students should take advantage of Harvard's Chemistry and Life Sciences Placement Test, as well as the science advising available in the Science Center the week before classes begin. Members of the Life and Physical Sciences departments will be available during this period to advise students. The Harvard Chemistry and Life Sciences Placement Test results recommend the appropriate starting level course for students interested in chemistry: Life and Physical Sciences A, Life Sciences 1a and/or Physical Sciences 1, or Chemistry 17/20.

Life Sciences 1a and Physical Sciences 1 together satisfy the one year general chemistry requirement for medical school.

Certain courses in biochemistry and biophysics are listed under Molecular and Cellular Biology or Biophysics (see cross-listings at end of middle group course section.). The School of Engineering and Applied Sciences, the Department of Physics, and the Department of Earth and Planetary Sciences also list a number of courses of interest to chemists.

Primarily for Undergraduates

Because of the sequence of prerequisites for chemistry courses, the Department strongly recommends some work in mathematics as well as chemistry in the first year. Freshmen contemplating this program should consult a member of the Chemistry Department in planning their first year. Advice may be obtained in the Associate Director of Undergraduate Studies' Office, Science Center 114.

***Life and Physical Sciences*****Life and Physical Sciences A. Foundational Chemistry and Biology**

Catalog Number: 3956

*Gregory C. Tucci and Tamara J. Brenner**Half course (fall term). M., W., F., at 9, and one hour of discussion section, a three-hour laboratory session, and one hour of review per week. EXAM GROUP: 2*

This course introduces fundamental concepts in chemistry and biology. Topics in chemistry include stoichiometry, acids and bases, aqueous solutions, gases, thermochemistry, electrons in atoms, and chemical bonding. Topics in biology include the transfer of information from DNA to RNA to protein, genetic inheritance, mitosis and meiosis, cell structure, and natural selection.

Note: Students should use their scores on the Chemistry and Biology Placement Tests to determine whether to enroll in Life and Physical Sciences A or Life Sciences 1a. This course assumes fluency with high school algebra. When taken for a letter grade, Life and Physical Sciences A meets the Core area requirement for either Science A or Science B. This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems.

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Catalog Number: 2137

*Erin K. O'Shea, Daniel E. Kahne, and Robert A. Lue**Half course (fall term). Tu., Th., 1–2:30, and three hours of laboratory/discussion weekly. EXAM GROUP: 15, 16*

What are the fundamental features of living systems? What are the molecules imparting these features, and how do their chemical properties explain their biological roles? The answers form a basis for understanding the molecules of life, the cell, diseases, and medicines. In contrast with traditional presentations of relevant scientific disciplines in separate courses, we take an integrated approach, presenting chemistry, molecular biology, biochemistry, and cell biology framed within central problems such as the biology of HIV and cancer.

Note: This course, in combination with Life Sciences 1b, constitutes an integrated introduction to the Life Sciences. When taken for a letter grade, Life Sciences 1a meets the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement in Science of Living Systems.

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences

Catalog Number: 2225

*James G. Anderson and Efthimios Kaxiras**Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*

Physical Sciences 1 engages the principles of chemistry and physics within major conceptual themes that underpin critical contributions of the physical sciences to societal objectives. In particular, the concepts central to chemical bonding, kinetic theory of molecular motion, thermochemistry, kinetics, equilibria, entropy and free energy, acids and bases, electrochemistry, and nuclear chemistry will be taught in the context of (1) world energy sources, forecasts and constraints, (2) global climate change, and (3) modern materials and technology.

Note: This course is part of an integrated introduction to the physical science intended for



students who plan to pursue a concentration in the physical or life sciences and/or satisfy pre-medical requirements in Chemistry. May not be counted toward a degree in addition to the former Chemistry 7. This course, when taken for a letter grade, meets the Core area requirement for Science A. Students interested in Physical Sciences 1 should take the Chemistry Placement Exam.

Prerequisite: A few operations of calculus are developed and used. Fluency in pre-calculus secondary school mathematics is assumed. Students are expected to have AP or honors level high school chemistry, or have completed Life and Physical Sciences A (LPS A) with a satisfactory grade.

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion

Catalog Number: 6053

Logan S. McCarty and Vinothan N. Manoharan

Half course (fall term). Tu., Th., 9:30–11, and a weekly section and lab to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids, from proteins to planets. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problems set questions will be drawn from the life sciences and medicine.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Waves, Imaging, and Information

Catalog Number: 5262

John Huth, Logan S. McCarty, and George M. Whitesides

Half course (spring term). Tu., Th., 9:30–11, and a weekly section and lab to be arranged. EXAM GROUP: 11, 12

This course is an introduction to light and sound waves, electromagnetism, and information. Case studies in Physical Science 3 will emphasize biological systems. Topics covered include: wave propagation in various media, imaging techniques of relevance to biological applications, electric fields, magnetic fields, electric forces, electrical circuits, and the transmission and processing of information in electronic and biological systems.

Note: This course is part of an integrated introduction to the physical sciences intended for students who plan to pursue a concentration in the life sciences and/or satisfy pre-medical requirements in Physics. May not ordinarily be taken for credit in addition to Physics 1b, 11b, or 15b. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 2 (or Physics 1a or 11a), Mathematics 1b, or equivalent.

Primarily for Undergraduates

Because of the sequence of prerequisites for chemistry courses, the Department strongly recommends some work in mathematics as well as chemistry in the first year. Freshmen contemplating this program are urged to consult a member of the Chemistry Department in planning their work for the first year. Advice may be obtained in the Associate Director of Undergraduate Studies' Office, Science Center 114.

**Chemistry 17. Principles of Organic Chemistry**

Catalog Number: 5085

Alan Saghatelian

Half course (fall term). M., W., F., at 11, and a discussion section to be arranged. EXAM GROUP: 4

An introduction to structure, bonding, and reaction mechanisms of organic compounds; chemical transformation of the common functional groups; principles of organic synthesis.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. Students may not count both Chemistry 17 and Chemistry 20 for degree credit. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Open to freshmen with a score of 750 or higher in the College Boards or the Chemistry Placement Examination; to students who scored 4 or 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Physical Sciences 1, Chemistry 7, or 15. Others may enter only by permission of the instructor.

Chemistry 20. Organic Chemistry

Catalog Number: 0876

Ryan M. Spoering

Half course (spring term). M., W., F., at 9, and a discussion section to be arranged. EXAM GROUP: 2

An introduction to structure and bonding in organic molecules; mechanisms of organic reactions; chemical transformations of the functional groups of organic chemistry; synthesis; determination of chemical structures: infrared and NMR spectroscopy.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. The content of Chemistry 17 is similar to that of Chemistry 20, so students may not count both courses toward the degree. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Open to freshmen with a score higher than 750 in the College Boards or the Chemistry Placement Examination; to students who scored 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Physical Sciences 1, Chemistry 7, or 15. Others may enter only by permission of the instructor.

Chemistry 27. Organic Chemistry of Life

Catalog Number: 5978

Gregory L. Verdine and Christopher T. Walsh (Medical School)

Half course (spring term). M., W., 2:30-4, and a discussion section, and a five-hour laboratory



each week to be arranged. EXAM GROUP: 7, 8

Chemical principles that govern the processes driving living systems are illustrated with examples drawn from biochemistry, cell biology, and medicine. The course deals with organic chemical reactivity (reaction mechanisms, structure-reactivity relationships), with matters specifically relevant to the life sciences (chemistry of proteins, nucleic acids, drugs, natural products, cofactors, signal transduction), and with applications of chemical biology to medicine and biotechnology. An understanding of organic reactions and their "arrow" pushing mechanisms is required.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Chemistry 17 or Chemistry 30 or Chemistry 20 with permission of the instructor.

Chemistry 30. Organic Chemistry

Catalog Number: 6587

Tobias Ritter

Half course (fall term). Lectures M., W., F., at 9, and laboratory, four to six hours a week, to be arranged. EXAM GROUP: 2

Continuation of Chemistry 20. Fundamental principles and advanced topics in organic chemistry. Carbonyl chemistry and pericyclic reactions are covered in particular detail, using principles of stereochemistry, stereoelectronic theory, and molecular orbital theory as a foundation. Students learn about strategies in multi-step organic synthesis and are given an introduction into organometallic chemistry. Laboratory: an introduction to organic chemistry laboratory techniques and experimental organic synthesis.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Chemistry 20 or equivalent.

Chemistry 40. Inorganic Chemistry

Catalog Number: 8201

Theodore A. Betley

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

An introduction to basic concepts of inorganic chemistry. Develops principles of chemical bonding and molecular structure on a basis of symmetry, applying these concepts to coordination chemistry (highlighting synthesis), organometallic chemistry (applications to catalysis), and bioinorganic processes.

Prerequisite: Chemistry 17 or 20.

[Chemistry 60. Foundations of Physical Chemistry]

Catalog Number: 5181

Half course (spring term). Hours to be arranged.

A compact introduction to major principles of physical chemistry (statistical mechanics, thermodynamics, and chemical kinetics), concurrently providing mathematical and physical foundations for these subjects and preparation for Chemistry 160 and 161, or Chemistry 105.

Note: Expected to be given in 2010–11.

Prerequisite: Physical Sciences 1, or Chemistry 5 and Chemistry 7, or Chemistry 15, or



equivalent; completion or concurrent enrollment in Mathematics 21a or Applied Mathematics 21a; completion or concurrent enrollment in Physics 11a or equivalent.

***Chemistry 91r. Introduction to Research**

Catalog Number: 4366

Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Spring: Tu., Th., at 1.

Reading and/or laboratory work related to one of the research projects under way in the department.

Note: Open to a limited number of chemistry concentrators who are accepted as research students without having taken Chemistry 98. Written permission of the sponsor must be filed at the Office of the Associate Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

***Chemistry 98r. Introduction to Research—Junior Year**

Catalog Number: 3124

Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open with permission of the instructor to junior chemistry majors who have satisfactorily completed the non-credit Introduction to Research Tutorial in the spring term of the sophomore year. In that non-credit spring term tutorial, taught Tu., Th., 1-2:30, students will attend introductory lectures and research seminars in order to acquaint themselves with departmental research programs. In the junior year, students who complete the non-credit tutorial and obtain placement in a research laboratory will undertake research as Chemistry 98r. Written permission of the research adviser must be filed at the office of the Associate Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

***Chemistry 99r. Tutorial—Senior Year**

Catalog Number: 4508

Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open to seniors accredited by the Department as honors candidates. Students enrolled in Chem 99r have the option of writing a thesis. Written permission of the research adviser must be filed at the office of the Associate Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

Cross-listed Courses



[Earth and Planetary Sciences 107. Environmental Geochemistry]

Earth and Planetary Sciences 133. Atmospheric Chemistry

***Freshman Seminar 22e. Molecular Motors: Wizards of the Nanoworld**

***Freshman Seminar 22j. Seeing by Spectroscopy**

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 52 (formerly Biological Sciences 52). Molecular Biology

MCB 176. Biochemistry of Membranes

For Undergraduates and Graduates

[*Chemistry 100. Experimental Chemistry and Chemical Biology]

Catalog Number: 7796

Half course (fall term; repeated spring term). F., at 4, and two five-hour labs each week. EXAM GROUP: 9

A laboratory course where students carry out research. Projects will be drawn directly from faculty covering a range of methodologies in chemistry and chemical biology. Students will discuss their progress and write formal reports.

Note: Expected to be given in 2009–10. Open to freshmen, sophomores, juniors, and seniors, regardless of concentration, and suitable for students either with or without extensive laboratory experience.

Prerequisite: Life Sciences 1a, or Physical Sciences 1, or permission of the instructor.

[Chemistry 105. Mechanisms of Organic Reactions: Physical-Organic Chemistry]

Catalog Number: 3181

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

The study of the relation between structure of carbon compounds and their reactivity and properties. Thermodynamics, electronic structure, reaction mechanisms, reactive intermediates, catalysis, structure-reactivity relations, influence of solvents on reactivity.

Note: Expected to be given in 2009–10.

Prerequisite: Chemistry 7, or Physical Sciences 1, Chemistry 17/20 and Chemistry 27/30 with a grade of B- or better.

Chemistry 135. Experimental Synthetic Chemistry

Catalog Number: 3406 Enrollment: Limited to 45.

Allen Dennis Aloise

Half course (spring term). M., at 1. EXAM GROUP: 6

An introduction to experimental problems encountered in the synthesis, isolation, purification, characterization, and identification of inorganic and organic compounds. Each student works on a different sequence of reactions, encouraging technical proficiency and simulating actual research.

Note: Preference given to concentrators in Chemistry. Recommended as an efficient preparation for research in experimental inorganic and organic chemistry and related sciences such as



biochemistry and pharmacology. Normally follows Chemistry 27 or 30 and is strongly recommended as preparation for Chemistry 98r and 99r.

Chemistry 158. Nanoscience and Nanotechnology

Catalog Number: 7504

Charles M. Lieber

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A survey of nanoscience and nanotechnology. Topics include: bottom-up versus top-down paradigms; synthesis and fabrication of zero-, one- and two-dimensional materials; physical properties of nanostructures, including electronic and optical properties; hierarchical organization in two and three dimensions; functional devices circuits and nanosystems; applications with emphasis on nano-bio interface and electronics.

Note: For advanced undergraduate and graduate students.

Prerequisite: Chemistry 40, or equivalent.

Chemistry 160. Physical Chemistry

Catalog Number: 3420

Alán Aspuru-Guzik

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to modern theories of the structure of matter, including the principles of quantum mechanics, the electronic structure of atoms and molecules, chemical bonding, and atomic and molecular spectra.

Prerequisite: Applied Mathematics 21a and 21b, Mathematics 21a and 21b, or equivalent preparation in calculus and differential equations; Physical Sciences 1 or equivalent preparation in chemical bonding and fundamental principles; Physical Sciences 2 or Physics 11a, and Physical Sciences 3 or Physics 11b.

Chemistry 161. Statistical Thermodynamics

Catalog Number: 3575

Xiaowei Zhuang

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to statistical mechanics, thermodynamics, and chemical kinetics with applications to problems in chemistry and biology.

Prerequisite: Chemistry 160 and Applied Mathematics 21a, or equivalent.

Chemistry 163. Frontiers in Biophysics

Catalog Number: 3635

Adam E. Cohen

Half course (fall term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13

Emerging physical tools are changing the way biological problems are addressed. This interdisciplinary course will introduce new experimental advances, microscopy and spectroscopy in particular, together with underlying principles, in molecular and cellular biophysics.

Note: Primarily for advanced undergraduate students and graduate students with either biological or physical backgrounds.

Prerequisite: Chemistry 160, Chemistry 161, or permission of the instructor.

**[*Chemistry 164r. Quantum Chemistry via density functionals: theory and applications]**

Catalog Number: 8277

Half course (fall term). Hours to be arranged.

What are "density functionals," where do they come from, and why do they work? This course provides a solid introduction to modern DFT methods (and time-dependent DFT), with applications to various chemical problems. Practical calculations on problems of interest to the student's research subject are encouraged.

Note: Expected to be given in 2009–10.

Prerequisite: Chemistry 160, or equivalent.

***Chemistry 165. Experimental Physical Chemistry**

Catalog Number: 0667

Cynthia M. Friend

Half course (spring term). Tu., 3:30-4:30, and sections on Th., 1-5, and 6-10 pm. EXAM GROUP: 17, 18

Hands-on introduction to physical methods and techniques used widely in chemistry and chemical physics research laboratories. Computer-based methods of data acquisition and analysis are used throughout.

Note: Recommended as an efficient preparation for research in experimental chemistry, chemical physics and related sciences.

Prerequisite: Chemistry 7, or Physical Sciences 1, or equivalent; Applied Mathematics 21a or Mathematics 21a; one full course in physics or equivalent.

[*Chemistry 185 (formerly *Chemistry 285). Molecular Pathophysiology and Pharmacology of Human Disease]

Catalog Number: 4005

Gregory L. Verdine and Vicki L. Sato

Half course (spring term). Hours to be arranged.

This course will address both the molecular basis of human disease, and the biological and chemical foundations of therapeutic intervention. The course will include lectures by prominent experts, and analysis of the primary literature.

Note: Expected to be given in 2009–10. May not be taken concurrently with MCB 185. May not be taken for credit if MCB 185 or Chem 285 has already been taken. Credit can not also be received for MCB 185.

Prerequisite: Chemistry 20/30 or 17/27, Life Sciences 52 or their equivalent.

[Chemistry 192. Principles of Drug Discovery and Development]

Catalog Number: 9628 Enrollment: Limited to 20.

Gregory L. Verdine and Mark C. Fishman (Medical School)

Half course (spring term). Hours to be arranged.

This interdisciplinary course will examine the process of drug discovery and development through disease-driven examples. Topics include: the efficacy/toxicity balance, the differences between drugs and inhibitors, the translation of cellular biochemistry to useful medicine.

Note: Expected to be given in 2009–10. May not be taken concurrently with MCB 192. May not



be taken for credit if MCB 192 has already been taken.

Prerequisite: MCB 52 and one year of organic chemistry. MCB 54 is recommended.

Cross-listed Courses

Earth and Planetary Sciences 137. Biogeochemistry

MCB 199. Statistical Thermodynamics and Quantitative Biology

Primarily for Graduates

Chemistry 201. Organic Synthesis and Genomic Medicine - (New Course)

Catalog Number: 7505

Stuart L. Schreiber

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Organic Synthesis and Genomic Medicine, teaches advanced students in chemistry and chemical biology the principles that underlie modern synthetic organic chemistry and genome biology, and the coordination of the two disciplines, especially using chemical biology, towards genomic medicine. For example, the course will explore how synthetic organic chemistry could provide a general mechanism to exploit the dramatic insights being gained from modern human genetics in order to develop safe and effective therapeutics for currently intractable diseases.

Prerequisite: A grade of A in Chemistry 30.

Chemistry 205. Advanced Physical Organic Chemistry - (New Course)

Catalog Number: 6636

Eric N. Jacobsen

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

An in-depth perspective on mechanistic organic chemistry, with analysis of fundamental organic and organotransition metal reaction mechanisms, reactive intermediates, catalysis, stereochemistry, non-covalent interactions, and molecular recognition. Classical and modern tools of physical-organic chemistry, including reaction kinetics, computer modeling, isotope effects, and linear free-energy relationships will be evaluated in the context of literature case studies.

Prerequisite: Chem 206 or Chem 105 or an equivalent introduction to mechanistic organic chemistry, and Chem 160/161 or an equivalent sequence in physical chemistry. Or permission of the instructor.

***Chemistry 206. Advanced Organic Chemistry**

Catalog Number: 1063

Damian W. Young

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A discussion of the important classes of organic reactions will be presented along with an analysis of mechanism. Topics include rearrangements, pericyclic reactions, carbonyl additions, enolate-based transformations, and photochemically induced reactions. An introduction to FMO theory and stereoelectronic effects will be provided.

Prerequisite: Chemistry 30 or permission of instructor.



[*Chemistry 215 (formerly Chemistry 115). Advanced Organic Chemistry: Synthesis of Complex Molecules]

Catalog Number: 0480

Matthew Shair

Half course (fall term). Hours to be arranged.

An integrated course in complex synthetic problem solving that focuses on the development of principles and strategies for synthesis design with a concurrent, comprehensive review of modern synthetic transformations.

Note: Expected to be given in 2009–10.

Prerequisite: A grade of A in Chemistry 30.

Chemistry 217. Practical Applications of NMR Spectroscopy and Mass Spectrometry in Chemistry - (New Course)

Catalog Number: 1061

Andrew J. Phillips

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The goal of this course is to introduce students to analytical techniques that enable the characterization and study of molecules. While emphasis will be placed on the analysis of small molecules with nuclear magnetic resonance (NMR) spectroscopy and mass spectrometry (MS), the course will also extend to the study of biomolecules and should prove useful for both pure chemists and chemical biologists.

Prerequisite: Chem 27/30 or equivalent; familiarity with the basic interpretation of 1D ¹H NMR.

***Chemistry 240. Statistical Mechanics**

Catalog Number: 5215

Xiaoliang Sunney Xie

Half course (fall term). M., W., 1:30–3. EXAM GROUP: 6, 7

Equilibrium and nonequilibrium statistical mechanics, including the thermodynamics of gases, liquids, and crystals, critical phenomena, Brownian motion, Langevin dynamics; with an emphasis on molecular biophysics, such as theories for biopolymers, chemical reactions, and nucleation.

Prerequisite: Chemistry 160 and Chemistry 161, or permission of instructor.

[*Chemistry 241. Chemical Kinetics]

Catalog Number: 1122

Roy G. Gordon

Half course (spring term). Hours to be arranged.

The rates of chemical processes from both experimental and theoretical points of view; reactions in molecular beams, gases, liquids, solids and at interfaces; applications in chemistry, materials science, atmospheric science and biology.

Note: Expected to be given in 2009–10.

Prerequisite: Introductory physical chemistry (Chemistry 60, Molecular and Cellular Biology 199, or equivalent); introductory quantum mechanics (Chemistry 160, Physics 143a, or equivalent).



***Chemistry 242. Quantum Mechanics I**

Catalog Number: 2971

Eugene I. Shakhnovich

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Principles of quantum mechanics, particle in a potential well, identical particles, angular momentum, time-independent perturbation theory, chemical bonding in molecules. Dynamics of spin 1/2 particles. Elementary scattering theory.

Prerequisite: Chemistry 160 or Physics 143, Physics 11 or 12, and Applied Mathematics 105a and 105b, or Mathematics 21, or equivalent.

***Chemistry 243. Applied Quantum Mechanics**

Catalog Number: 3622

Hongkun Park

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

The course will cover the application of quantum mechanical principles to contemporary problems in chemistry and physics. The topics covered in the course will include: chemical bonding and the Born-Oppenheimer Approximation, atom/molecule-photon interaction (including second quantization and the dressed-state approach), Quantum Optics, and solid-state and nano-science (band theory, Fermi liquid theory, and electron transport).

Note: Intended for graduate and advanced undergraduate students in chemistry, physics, and applied physics.

Prerequisite: Two semesters of quantum mechanics (Chemistry 160 / Chemistry 242, or Physics 143a / 143b, or equivalent).

Chemistry 267. Surface and Interfacial Phenomena - (New Course)

Catalog Number: 0571

Cynthia M. Friend

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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 absorption, reaction, and growth phenomena illustrated through current literature topics.

Note: Recommended for graduate and advanced undergraduate students in Chemistry, Applied Physics, and related areas with interest in Materials Chemistry and Engineering, Surface Chemistry, Applied Physics, and other areas dependent on properties and behavior of interfaces.

Prerequisite: Chemistry 160 and 161 or equivalent; Applied Mathematics 21a or Mathematics 21a; one full course in physics or equivalent.

***Chemistry 270. Chemical Biology**

Catalog Number: 7754

Gavin MacBeath

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Applying chemical approaches to problems in biology. Topics include: protein engineering and directed evolution; RNA catalysis and gene regulation; chemical genetics, genomics, and



proteomics; drug action and resistance; rational and combinatorial approaches to drug discovery; metabolic engineering.

Prerequisite: A strong background in organic chemistry and biochemistry.

[*Chemistry 280 (formerly Chemistry 180). Macromolecular Structure and Function]

Catalog Number: 6449

Alan Saghatelian

Half course (spring term). Hours to be arranged.

Explores the relationship between the structure and function of biological macromolecules.

Emphasis is placed on the chemical principles governing recognition and catalysis in biological systems, using examples drawn from the scientific literature.

Note: Expected to be given in 2009–10.

Chemistry 299hf. Scientific Teaching and Communications: Practicum - (New Course)

Catalog Number: 9903

Matthew D. Shair, Logan S. McCarty, and Gregory C. Tucci

Half course (throughout the year). Tu., 4–6. EXAM GROUP: 18

This course will teach graduate students how to communicate scientific concepts in the classroom. Students will focus on becoming effective teachers in discussion sections and in the laboratory. The course will emphasize hands-on experience in teaching and explaining scientific concepts.

Note: Required of all first-year graduate students in the Department of Chemistry and Chemical Biology.

Cross-listed Courses

Applied Physics 291. Electron Microscopy Laboratory

Biophysics 242r. Special Topics in Biophysics

Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics

[Engineering Sciences 268. Environmental Chemical Kinetics]

[Physics 218. Modern Dynamical Systems]

Graduate Courses of Reading and Research

A student intending to elect one of the following research courses should consult the instructor as far in advance as possible.

***Chemistry 300. Research and Reading**

Catalog Number: 6307

Members of the Department

Individual work under the supervision of members of the Department.

***Chemistry 300p. Physical Chemistry Seminar**

Catalog Number: 3043

Eugene I. Shakhnovich 3147

Full course (indivisible). Th., at 4 or 5, with an additional session F., at 5.



Weekly physical chemistry seminar and discussion with a member of the faculty of the Department of Chemistry and Chemical Biology.

Note: Required for first year physical chemistry and chemical physics graduate students and is strongly recommended for second year physical chemistry and chemical physics graduate students.

***Chemistry 302. Organometallic Chemistry**

Catalog Number: 1413

Eric N. Jacobsen 1040

***Chemistry 303. Organic Chemistry**

Catalog Number: 1043

David A. Evans 7774

***Chemistry 304. Theoretical Atomic, Molecular, and Chemical Physics**

Catalog Number: 0532

Eric J. Heller 1074

***Chemistry 311. Physical Chemistry**

Catalog Number: 2640

Charles M. Lieber 3102

***Chemistry 315. Photochemistry and Kinetics**

Catalog Number: 5964

James G. Anderson 6057

***Chemistry 318. Organic Chemistry**

Catalog Number: 4295

George M. Whitesides 7447

***Chemistry 323. Organic Chemistry**

Catalog Number: 2477

Stuart L. Schreiber 2166

***Chemistry 325. Physical Chemistry**

Catalog Number: 8530

Cynthia M. Friend 7446

***Chemistry 330. Physical Chemistry**

Catalog Number: 1454

Adam E. Cohen 5761

***Chemistry 331. Chemical Biology**

Catalog Number: 1408

Gregory L. Verdine 1980



***Chemistry 336. Physical and Inorganic Chemistry and Materials Science**

Catalog Number: 5266

Roy G. Gordon 1353 (on leave 2008-09)

***Chemistry 340. Inorganic Chemistry**

Catalog Number: 7987

Theodore A. Betley 5760

***Chemistry 350. Theoretical Physical Chemistry**

Catalog Number: 8285

Eugene I. Shakhnovich 3147

***Chemistry 386. Theoretical Chemistry**

Catalog Number: 5300

Alán Aspuru-Guzik 5539

***Chemistry 387. Organic Chemistry**

Catalog Number: 4674

Matthew D. Shair 2280 (on leave 2008-09)

***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 393. Physical Chemistry**

Catalog Number: 1273

Xiaowei Zhuang 3991

***Chemistry 394. Chemical Biology and Proteomics**

Catalog Number: 8697

Gavin MacBeath 4347



***Chemistry 396. Organic Chemistry**

Catalog Number: 2293

Daniel E. Kahne 5065

***Chemistry 397. Organic Chemistry**

Catalog Number: 3972

Suzanne Walker (Medical School) 5087

***Chemistry 398. Organic and Organometallic Chemistry**

Catalog Number: 1013

Tobias Ritter 5540

***Chemistry 399. Biochemistry and Chemical Biology**

Catalog Number: 4050

Alan Saghatelian 5541

The Classics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the Classics

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature (*Chair*)

Carmen Arnold-Biucchi, Lecturer on the Classics

Kathleen M. Coleman, Professor of Latin

Aldo Corcella, Visiting Professor of the Classics (*University of Basilicata, Potenza*) (*fall term only*)

Emma Dench, Professor of the Classics and of History

Susanne Ebbinghaus, Lecturer on the Classics

David F. Elmer, Assistant Professor of the Classics

Hallie Malcolm Franks, Lecturer on the Classics

Albert Henrichs, Eliot Professor of Greek Literature (*on leave spring term*)

Peter Alan Hunt, Visiting Associate Professor of the Classics (*University of Colorado, Boulder*) (*spring term only*)

Christopher P. Jones, George Martin Lane Professor of the Classics and of History

Christopher B. Krebs, Assistant Professor of the Classics (*on leave fall term*)

Ivy Livingston, Preceptor in the Classics

David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave spring term*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature



Vassiliki Rapti, Preceptor in Modern Greek

Jeremy Rau, Associate Professor of Linguistics and of the Classics, Post-Doctoral Fellow in Hellenic Studies (*on leave 2008-09*)

Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature (*on leave 2008-09*)

Mark Schiefsky, Professor of the Classics (*Director of Undergraduate Studies*)

Francesca Schironi, Assistant Professor of the Classics (*on leave spring term*)

Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics

R. J. Tarrant, Pope Professor of the Latin Language and Literature

Richard F. Thomas, Professor of Greek and Latin (*Director of Graduate Studies*)

Benjamin Tipping, Assistant Professor of the Classics

Dimitrios Yatromanolakis, Visiting Associate Professor of the Classics

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Other Faculty Offering Instruction in the Department of the Classics

Gloria Ferrari Pinney, Professor of Classical Archaeology and Art, Emerita

Information about requirements for undergraduate and graduate degrees, honors, prizes, and scholarships may be obtained at the office of the Department, Boylston Hall 204. Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads or the department's website (www.fas.harvard.edu/~classics) to determine if a course is offered on that basis.

Classical Studies

Cross-Listed Courses

[*Freshman Seminar 31v. The Beasts of Antiquity and Their Natural History - \(New Course\)](#)

[*Freshman Seminar 34l. Cultural Outsiders in the Ancient World - \(New Course\)](#)

[*Freshman Seminar 37u. Bob Dylan](#)

[*Freshman Seminar 38m. Meeting the Byzantines](#)

[*Freshman Seminar 48o. The History and Practice of Ancient Greek Astronomy](#)

Courses in Translation

Primarily for Undergraduates

[*Classical Studies 97a \(formerly *Classics 97a\). Greek Culture and Civilization](#)

Catalog Number: 3965

Peter Alan Hunt (University of Colorado, Boulder)

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Selected highlights of the political, social, and cultural history of ancient Greece from the mythical and archaeological evidence for the Bronze Age through the Hellenistic period that



followed the death of Alexander. We will try to probe beneath the surface of events to analyze trends and to examine interpretive issues raised by our evidence, which will include some of the most important products of Greek culture.

Note: Concentrators are required to take either one or two semesters of Classical Studies 97, depending on their concentration track.

Classical Studies 97b (formerly *Classics 97b). Roman Culture and Civilization

Catalog Number: 4090

Kathleen M. Coleman

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

A chronological survey of Roman history from the beginnings to Constantine will be combined with exploration of key features of Roman culture, including housing, education, slavery, the role of women, etc. Attention will also be paid to the tools and methods available for research on ancient Rome.

Note: Concentrators are required to take either one or two semesters of Classical Studies 97, depending on their concentration track.

For Undergraduates and Graduates

Classical Studies 120. Macedonia until the Death of Alexander the Great - (New Course)

Catalog Number: 9636

Julia Wilker

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

A study of the rise and development of Macedonia as a major power in the ancient world, including issues of ethnic identity, society, and culture.

Note: No prior experience with Ancient Greek necessary.

Classical Studies 154. The Ancient Novel - (New Course)

Catalog Number: 7862

David F. Elmer

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

The ancient novels, with their sensational tales of kidnappings, battles, human sacrifice, and above all romance, were immensely popular in antiquity and exercised a strong influence on the early development of the modern novel. We will explore the conventions and contexts of this rich tradition by reading the five surviving Greek novels, the *Golden Ass* of the Romanized African Apuleius, and selected Near Eastern texts.

Note: Non-concentrators are welcome.

Classical Studies 165. Ancient Medicine - (New Course)

Catalog Number: 2851

Mark Schiefsky

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Theories and practices of health and healing in the ancient Greco-Roman world, with special emphasis on the relationship of learned medicine to philosophy and other healing traditions.

Note: This course, when taken for a letter grade, meets the Core requirement for Historical Study B.



Primarily for Graduates

Classical Studies 220. War and Society in Classical Athens - (New Course)

Catalog Number: 3185

Peter Alan Hunt (University of Colorado, Boulder)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The waging of war and its results profoundly affected the society and culture of fifth- and fourth-century Athens; conversely, Athens' military forces and strategies reflected its society and not just its military needs.

Note: Knowledge of Ancient Greek desirable but not required.

Cross-listed Courses

Culture and Belief 17 (formerly Historical Studies B-06). Institutional Violence and Public Spectacle: The Case of the Roman Games

***History 80a (formerly *History 1051). Roman Imperialism**

[History 1000 (formerly History 10a). Western Societies, Politics, and Cultures: From Antiquity to 1650]

History 1010 (formerly History 1085). The Roman Empire, Augustus to Constantine

[History of Science 106. History of Ancient Science]

***History of Science 206r. Archimedes and the Archimedean Tradition: Seminar - (New Course)**

***History of Science 207r. William of Ockham and the Rise of 14th-century Nominalism: Seminar - (New Course)**

Literature and Arts A-51. Virgil: Poetry and Reception

Literature and Arts B-21. The Images of Alexander the Great

Literature and Arts C-14. Concepts of the Hero in Greek Civilization

Literature and Arts C-61. The Rome of Augustus

Courses of Reading and Research

Primarily for Undergraduates

***Classics 93r. Advanced Tutorial for Credit**

Catalog Number: 0511

Mark Schiefsky

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial instruction for course credit open to candidates for honors who are qualified to do special reading projects in Greek and/or Latin.

Note: May be counted for concentration.

***Classics 99. Tutorial — Senior Year**

Catalog Number: 2350

Mark Schiefsky

Full course. Hours to be arranged.

Tutorial instruction for course credit (in addition to ordinary tutorial instruction) is open only to



candidates for honors writing a thesis in their senior year whose applications for such instruction have been approved by the Director of Undergraduate Studies.

Note: May be counted for concentration. Divisible only with permission of the Director of Undergraduate Studies.

Primarily for Graduates

***Classics 300. Direction of Doctoral Dissertations**

Catalog Number: 4543

Kathleen M. Coleman 2289, Emma Dench 5243, John Duffy 1352, Susanne Ebbinghaus, Albert Henrichs 4085 (on leave spring term), Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave fall term), Nino Luraghi 2408, David G. Mitten 1290 (on leave spring term), Gregory Nagy 1423, Gloria Ferrari Pinney 1384, Jeremy Rau 4657 (on leave 2008-09), Betsey A. Robinson 4361, Panagiotis Roilos 1982 (on leave 2008-09), Mark Schiefsky 2354, Francesca Schironi 4878 (on leave spring term), Gisela Striker 2271, R. J. Tarrant 7503, Rabun Taylor 4253, Richard F. Thomas 1630, Benjamin Tipping 4875, and Jan Ziolkowski 7275

***Classics 301. Reading or Topics Course**

Catalog Number: 3457

Kathleen M. Coleman 2289, Emma Dench 5243, John Duffy 1352, Albert Henrichs 4085 (on leave spring term), Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave fall term), David G. Mitten 1290 (on leave spring term), Gregory Nagy 1423, Jeremy Rau 4657 (on leave 2008-09), Betsey A. Robinson 4361, Panagiotis Roilos 1982 (on leave 2008-09), Mark Schiefsky 2354, Francesca Schironi 4878 (on leave spring term), Gisela Striker 2271, R. J. Tarrant 7503 (on leave spring term), Richard F. Thomas 1630, Benjamin Tipping 4875, and Jan Ziolkowski 7275

Note: For graduate students whose individual needs are not met by the formal courses offered.

***Classics 302. Special Examinations Direction**

Catalog Number: 2686

Kathleen M. Coleman 2289, Emma Dench 5243, John Duffy 1352, David F. Elmer 5574, Albert Henrichs 4085 (on leave spring term), Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave fall term), Nino Luraghi 2408, David G. Mitten 1290 (on leave spring term), Gregory Nagy 1423, Jeremy Rau 4657 (on leave 2008-09), Betsey A. Robinson 4361, Panagiotis Roilos 1982 (on leave 2008-09), Mark Schiefsky 2354, Francesca Schironi 4878 (on leave spring term), Gisela Striker 2271, R. J. Tarrant 7503, Richard F. Thomas 1630, Benjamin Tipping 4875, and Jan Ziolkowski 7275

***Classics 350. Classical Philology: Proseminar**

Catalog Number: 4026

Richard F. Thomas 1630

Half course (fall term). M., 2–4.

Designed to introduce graduate students in Classical Philology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the PhD in Classical Philology. Open to other students by permission of instructor.



Greek

Students who have studied classical Greek previously should register at the FAS Exams Office (Office of the Registrar, 20 Garden Street) to take the Harvard placement test in Greek during Freshman Week. Further information on placement in Greek and on the language requirement is available from the Language Preceptor (Boylston Hall 225).

Primarily for Undergraduates

Greek Aa (formerly Greek A). Beginning Greek

Catalog Number: 0129

Ivy Livingston and assistants

Half course (fall term). Section I: M., W., Th., F. at 9; and Section II: M., W., Th., F. at 11.

EXAM GROUP: 2, 11

For students with very little or no previous instruction in Greek. Introduction to Greek grammar and reading of sentences and short passages.

Note: No auditors. May be taken Pass/Fail. Students with more than one year of formal instruction should take the placement test in September and consult with Course Head before enrolling.

Greek Aab. Beginning Greek (Intensive)

Catalog Number: 0714

Ivy Livingston and assistants

Full course (spring term). M. through F., at 9, M., at 1. EXAM GROUP: 2, 11

For students with little or no previous instruction in Greek who are seriously interested in making very rapid progress. All basic grammar of the normal first-year sequence (Greek Aa and Ab) and practice in reading prose. Students are prepared for Greek Ba or Bb.

Note: No auditors. May be taken Pass/Fail. Students with more than one year of formal instruction should take the placement test in September and consult with the Course Head before enrolling.

Greek Ab (formerly Greek B). Beginning Greek

Catalog Number: 0457

Ivy Livingston and assistant

Half course (spring term). Section I: M., W., Th., F. at 9; and Section II: M., W., Th., F. at 11.

EXAM GROUP: 2, 11

Continuation of Greek Aa. Completion of basic grammar and reading of longer passages.

Note: No auditors. May be taken pass/fail.

Prerequisite: Greek Aa or equivalent.

Greek Ac. Review and Reading

Catalog Number: 8283

Ivy Livingston and assistant

Half course (fall term). M., W., Th., F. at 9. EXAM GROUP: 2, 11

For students with more than one year of formal training in Greek who do not place into Greek



Ba. The course will combine a review of morphology and syntax with readings from prose authors. Students are prepared for Greek Bb or Ba.

Note: No auditors. May be taken Pass/Fail.

Greek Ba (formerly Greek 3). Introduction to Attic Prose

Catalog Number: 4696

Ivy Livingston and assistant

Half course (fall term). Section I: M., W., F., at 1; Section II: M., W., F., at 12. EXAM GROUP: 6

A bridge between the study of Greek grammar and the reading of prose authors; intended to develop reading and translation skills and introduce prose styles.

Prerequisite: Greek Ab, Aab, Ac, or equivalent.

Greek Bb (formerly Greek 4). Selections from Homer's Iliad

Catalog Number: 3361

Ivy Livingston and assistant

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

An introduction to Homeric poetry: language, meter, formulae, and type scenes.

Prerequisite: Greek Ab, Aab, Ac, or equivalent.

Greek Bbm. Introduction to Late Antique and Mediaeval/Byzantine Poetry

Catalog Number: 9131

Ivy Livingston and assistant

Half course (spring term). M., 12-2 and W., 12-1. EXAM GROUP: 5, 6

Greek poetry from Late Antiquity to Byzantium. Readings will correspond to interests of participants. Review of grammar, syntax, and linguistic developments in post-classical Greek.

Prerequisite: Greek Ba, Ac, or permission of the instructor.

[*Greek 98r (formerly *Classics 98r). Junior Research Seminar]

Catalog Number: 6100

Mark Schiefsky and assistants

Half course (spring term). Th., 1–4.

By fostering original research and writing, this course provides advanced undergraduates with an introduction to research tools and methods. Coursework focuses on student presentations, analysis of ancient texts and discussion of critical problems. Highly recommended for students considering writing a Senior Thesis.

Note: Expected to be given in 2009–10. Open to all qualified students, regardless of year.

For Undergraduates and Graduates

Greek H. Introductory Greek Prose Composition

Catalog Number: 6323

Ivy Livingston and assistant

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Practice in the translation of sentences and connected prose passages into Attic Greek; review of forms and syntax; readings of selections from prose authors.

Prerequisite: Greek Ba or equivalent.



Greek K. Advanced Greek Prose Composition

Catalog Number: 4171

Gregory Nagy

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Composition in the prose style of various authors and genres, with selected readings representing the development of Greek prose and its analysis by scholars, ancient and modern.

Prerequisite: Greek H or equivalent.

Greek 104. Herodotus

Catalog Number: 6340

Christopher B. Krebs

Half course (spring term). M., W., at 11. EXAM GROUP: 4

An introduction to Herodotus' dialect and style, concept of history, authorial voice and narrative strategies, and his representation of non-Greek cultures. We will read sections (incl. those on the reading list) in Greek and all of the *Histories* in English.

Greek 106. Greek Tragedy

Catalog Number: 6274

Albert Henrichs

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The generic conventions of Attic tragedy, with particular attention to the role of gods and rituals, Greek versus non-Greek ethnicities, and the dramatic effects of deceit and illusion. Close readings from Euripides' *Helen* and *Bakkhai*.

Greek 107. Thucydides

Catalog Number: 8281

Aldo Corcella (*University of Basilicata, Potenza*)

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

An introduction, combining detailed study of Thucydides' style and composition with attention to his historical and political thinking, in the context of 5th-century debates. The entire *Histories* to be read in English; selections in Greek from the prefatory material (the *Archaeology*), from Book II, and from the narrative of the Sicilian disaster.

Greek 110r. Plato, Gorgias

Catalog Number: 6229

Gisela Striker

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

A close reading of one of Plato's most influential dialogues.

Greek 112a. History of Greek Literature I

Catalog Number: 3052

Francesca Schironi and assistant

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Introduction to the literature of Archaic and early Classical Greece in its social and poetic context. Readings from Homer, Hesiod, lyric poets, and Aeschylus, with particular attention to



language, genres and their conventions, performance, imagery, and myth.

Note: Classics concentrators are strongly encouraged to take this course.

Greek 112b. History of Greek Literature II

Catalog Number: 6889

David F. Elmer and assistant

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A survey of Greek literature of the Classical and Hellenistic periods. Readings from Sophocles, Euripides, Aristophanes, Herodotus, Thucydides, Plato, Aristotle, Apollonius, Rhodius, Theocritus, and Callimachus, with discussion of social context and literary history.

Note: Classics concentrators are strongly encouraged to take this course.

Greek 115. Homer: *The Odyssey*

Catalog Number: 3036

Dimitrios Yatromanolakis

Half course (fall term). M., W., at 2. EXAM GROUP: 7

Reading of several books of the *Odyssey*. Topics to be explored include: dialect and formulaic language, Homeric societies and religion, oral tradition, archaic epic as genre, archaic and classical reception of Homer, and Homeric epics and early Greek art.

Greek 116r. Greek Lyric Poetry

Catalog Number: 4575

David F. Elmer

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Selections from elegiac, iambic, and lyric poets with attention to issues of performance, social and political context, genre, and poetic technique.

[Greek 134. The Language of Homer]

Catalog Number: 5139

Jeremy Rau

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Essentials of Greek comparative and historical grammar, and a close reading of *Iliad* 1 and 3. Diachronic aspects of Homeric grammar and diction.

Note: Expected to be given in 2009–10.

Cross-listed Courses

Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar

[*Literature 187r (formerly *Literature 187). Selected Topics in Poetics and Rhetoric: Seminar]

Literature and Arts C-14. Concepts of the Hero in Greek Civilization **Philosophy 102. Aristotle**

Primarily for Graduates



***Greek 201. Reading Greek**

Catalog Number: 1968

Francesca Schironi

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Readings of Greek prose and poetry ranging from archaic to imperial, with emphasis on variety, quantity, and quick comprehension of syntactic, stylistic, and generic features.

Note: Intended for graduate students in Classical Philology as preparation for the general examinations. Texts to be selected from the reading list by participants.

Cross-listed Courses

[Comparative Literature 210. The Politics of Writing: From Historical Novel to Historiographic Metafiction] - (New Course)

***Philosophy 207. Aristotle on Justice: Seminar - (New Course)**

Latin

Students who have studied Latin previously and have not taken the Advanced Placement Test or SAT II should contact the FAS Exams Office (Office of the Registrar, 20 Garden Street) to take the Harvard Latin Placement Test during Freshman Week. No one who has studied one year or more of Latin will be admitted to Latin Aa without taking the placement test. Further information on placement in Latin and the language requirement is available from the Language Preceptor (Boylston Hall 225), or the Freshman Dean's Office.

Primarily for Undergraduates

Latin Aa (formerly Latin A). Beginning Latin

Catalog Number: 4759

Ivy Livingston and assistants

Half course (fall term). Sections M., W., Th., F., at 9 or 11. EXAM GROUP: 2, 11

For students with very little or no previous instruction in Latin. Introduction to Latin grammar and reading of sentences and short passages.

Note: No auditors. May be taken pass/fail. Students with more than one year of formal instruction should take the Placement test in September and consult with the Course Head before enrolling.

Latin Aab. Beginning Latin (Intensive)

Catalog Number: 7111

Ivy Livingston and assistant

Full course (fall term; repeated spring term). M., through F., at 10, M., at 1. EXAM GROUP: Fall: 3, 6, 12; Spring: 2, 5, 11

For students with little or no previous instruction in Latin who are seriously interested in making very rapid progress. All basic grammar of the normal first-year sequence (Latin Aa and Ab) and practice in reading prose. Students are prepared for Latin Ba, Bb, Bam, or Bbm.

Note: No auditors. May be taken pass/fail. Students with more than one year of formal



instruction should take the Placement test in September or January and consult with the Course Head before enrolling.

Latin Ab (formerly Latin B). Beginning Latin

Catalog Number: 2101

Ivy Livingston and assistants

Half course (spring term). Section I: M., W., Th., F., at 9; Section II: M., W., Th., F., at 11.

EXAM GROUP: 2, 11

Continuation of Latin Aa. Completion of basic grammar and reading of longer passages.

Note: No auditors. May be taken Pass/Fail.

Prerequisite: Latin Aa or equivalent.

Latin Ac. Review and Reading

Catalog Number: 7033

Ivy Livingston and assistant

Half course (fall term). M., W., Th., F. at 9. EXAM GROUP: 2, 11

For students with more than one year of formal training in Latin who do not place into Latin Ba.

The course will combine a review of morphology and syntax with readings from prose authors.

Students are prepared for Latin Ba or Bb.

Note: No auditors. May be taken Pass/Fail.

Latin Ba (formerly Latin 3). Latin Prose Selections (Classical)

Catalog Number: 2344

Ivy Livingston and assistant

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

A bridge between the study of Latin grammar and the reading of prose authors; intended to develop reading and translation skills and introduce prose styles. The readings are short selections from a variety of genres by authors such as Cicero, Pliny, Nepos, Sallust, and Petronius.

Note: Latin Ba and Bam are intended to be equivalent in difficulty and require identical background (Latin Aa and Ab, Latin Aab, or the equivalent). Students may take either Ba or Bam for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

Latin Bam (formerly Latin 3m). Latin Prose Selections (Late Antique and Medieval)

Catalog Number: 7123

Jan Ziolkowski and assistant

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Begins with a review of fundamentals. Aims at increased facility in reading Latin, through a study of selected post-classical prose texts and authors such as the Vulgate Bible, Augustine, and Abelard.

Note: Latin Ba and Latin Bam are intended to be equivalent in difficulty and to require identical background (Latin Aa and Ab, Latin Aab, or the equivalent). Students may take either Ba or Bam for degree credit; they are not allowed to take both courses simultaneously or



consecutively.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

Latin Bb (formerly Latin 4). Introduction to Latin Poetry (Classical)

Catalog Number: 2488

Ivy Livingston and assistant

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Reading of selections of Latin poetry and introduction to meter.

Note: Latin Bb and Latin Bbm are intended to be equivalent in difficulty and to require identical background (Latin Ab, Aab, or Ac, or the equivalent). Students may take either Bb or Bbm for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

Latin Bbm (formerly Latin 4m). Introduction to Latin Poetry (Late Antique and Medieval)

Catalog Number: 2096

Jan Ziolkowski and assistant

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Selections from epic and lyric.

Note: Latin Bb and Latin Bbm are intended to be equivalent in difficulty and to require identical background (Latin Ba, Latin Bam, or the equivalent). Students may take either Bb or Bbm for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

[Latin 98r (formerly Classics 98r). Junior Research Seminar]

Catalog Number: 2124

Mark Schiefsky and assistants

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

By fostering original research and writing, this course provides advanced undergraduates with an introduction to research tools and methods. Coursework focuses on student presentations, analysis of ancient texts and discussion of critical problems. Highly recommended for students considering writing a Senior Thesis.

Note: Expected to be given in 2009–10. Open to all qualified students, regardless of year.

For Undergraduates and Graduates

Latin H. Introductory Latin Prose Composition

Catalog Number: 3814

Christopher B. Krebs and assistant

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Systematic review of Latin syntax and translation of sentences and connected prose passages from English into Latin.

Prerequisite: Latin Ba or equivalent.

[Latin K. Advanced Latin Prose Composition]

Catalog Number: 5018



Half course (spring term). W., 4–6.

Exercise in the prose style of different authors and periods, working within various subject-areas and genres. As a guide to composition, we will read and analyze illustrative passages from major authors, including Cato, Cicero, Sallust, Livy, Seneca, and Tacitus, as well as some distinctive styles in lesser-known authors; we will also consult discussions of rhetoric and prose style by theorists such as Cicero, Seneca, and Quintilian.

Note: Expected to be given in 2009–10.

Latin 104. Ovid's *Metamorphoses*

Catalog Number: 5189

R. J. Tarrant

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Ovid's witty, exuberant, and learned epic of change and mortality encompasses the history of the world from its creation to the apotheosis of Julius Caesar. This course examines the work's shaping of narrative and myth, its generic multiformity (embracing tragic, elegiac, comic, and pastoral motifs, as well as epic), and its equally complex vision of human existence.

Latin 106a. Virgil: *Eclogues* and *Georgics*

Catalog Number: 1456

Richard F. Thomas

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

This course focuses on Virgil's *Eclogues* and *Georgics*. We aim to read and interpret those texts, and to place them in literary and historical context.

Latin 110. Neronian Literature

Catalog Number: 8353

Benjamin Tipping

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Course focuses on literature of the reign of Nero (emperor 54-68 CE). We aim to read and interpret texts by the Younger Seneca, Lucan, and Petronius, and to place them in literary and historical context.

Latin 112a. History of Latin Literature I

Catalog Number: 7099

R. J. Tarrant and assistant

Half course (fall term). M., W., F., at 10. 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.

Note: Classics concentrators are strongly encouraged to take this course.

Latin 112b. History of Latin Literature II

Catalog Number: 7643

Benjamin Tipping and assistant



Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Readings from the literature of the early Empire, with an emphasis upon genre, style, and social/historical context.

Note: Classics concentrators are strongly encouraged to take this course.

Latin 117. Livy

Catalog Number: 1279

Emma Dench

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

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.

Latin 122. Horace Odes

Catalog Number: 2163

Benjamin Tipping

Half course (fall term). M., W., at 12. EXAM GROUP: 5

A study of Lyric as a mode of poetic, political, and personal expression in Horace's *Odes*.

[Latin 134. Archaic Latin]

Catalog Number: 1327

Jeremy Rau

Half course (fall term). Hours to be arranged.

Essentials of Latin comparative and historical grammar, with readings of early Latin inscriptions, legal texts, and selections from Livius Andronicus, Plautus, Ennius, and Cato.

Note: Expected to be given in 2009–10.

Latin 138. Cicero - (New Course)

Catalog Number: 8722

Emma Dench

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

A close reading in Latin of Cicero's *Pro Caelio* and *Second Philippic*, with a focus on rhetorical and historical issues.

Cross-listed Courses

***History 80a (formerly *History 1051). Roman Imperialism**

History 1010 (formerly History 1085). The Roman Empire, Augustus to Constantine

Literature and Arts A-51. Virgil: Poetry and Reception

Literature and Arts C-61. The Rome of Augustus

Primarily for Graduates

***Latin 201. Reading Latin**

Catalog Number: 7642

Christopher P. Jones

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5



Readings of Latin prose and poetry ranging from Ennius to Apuleius. Texts for study to be selected by the class; the course will aim at promoting rapid comprehension of texts while also considering style, genre, and the development of Latin literature.

Note: Intended for graduate students in Classical Philology as preparation for the general examinations.

Classical Philology

Primarily for Graduates

Classical Philology 238. Roman Childhood - (New Course)

Catalog Number: 2062

Kathleen M. Coleman

Half course (spring term). W., 4–6. EXAM GROUP: 9

Exploration of issues affecting childhood in ancient Rome, including child exposure, infant mortality, wet-nursing, education, child labor, etc., using literary, epigraphic, and iconographic sources.

Classical Philology 239. Roman Epic on Rome - (New Course)

Catalog Number: 0812

Benjamin Tipping

Half course (fall term). M., 4–6. EXAM GROUP: 9

A study of post-Virgilian Roman epic, with specific reference to the heroes, villains, poetics, and politics of Lucan's *De bello civili* and Silius Italicus' *Punica*.

Classical Philology 240. Aristotle, *Parva Naturalia* - (New Course)

Catalog Number: 1144

Gisela Striker

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A look at four short treatises that show Aristotle as both a natural scientist and a psychologist in the modern sense: On memory, on sleep and waking, on dreams, and on divination from dreams.

Classical Philology 241. Missing Pages: The Modern Rediscovery of the Greek Novel - (New Course)

Catalog Number: 1505

Albert Henrichs

Half course (fall term). W., 4–6. EXAM GROUP: 9

How the papyrus finds of the past 120 years have redefined Greek erotic prose fiction and narrowed the gap between the Greek novels and their Latin counterparts.

Classical Philology 243. The Odyssey in the Iliad - (New Course)

Catalog Number: 6153

David F. Elmer

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Exploration of issues in Homeric interpretation through study of *Iliad* Book 10, often considered



an intrusion into the poem. Topics: the relation between the *Iliad* and the *Odyssey*, non-Homeric traditions, traditional referentiality, etc.

Classical Philology 244 (formerly Classics 244). Greek Epigraphy

Catalog Number: 1773

Christopher P. Jones

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The course studies Greek inscriptions, how to read and use them, and what they contribute to the understanding of language, history, and literature. Emphasis will be placed on texts of the Hellenistic period from the eastern Mediterranean to ancient India.

Classical Philology 245. Archaic and Classical Greek Melic Poetry - (New Course)

Catalog Number: 1407

Dimitrios Yatromanolakis

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the social and performative contexts, genres, and transmission of melic poetry from Alcman to Timotheus, with a focus on papyrus fragments.

Classical Philology 246. The Persian Wars - (New Course)

Catalog Number: 1670

Aldo Corcella (University of Basilicata, Potenza)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A reading of Herodotus' narrative of the Persian wars, in comparison to other sources. Topics of special interest will include Persian "imperialism" and the problem of "Medizing" Greeks.

Cross-listed Courses

Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar

[*Literature 187r (formerly *Literature 187). Selected Topics in Poetics and Rhetoric: Seminar]

Classical Archaeology

Primarily for Undergraduates

Classical Archaeology 97r. Classical Archaeology

Catalog Number: 3132

Hallie Malcolm Franks

Half course (spring term). M., 4–6. EXAM GROUP: 9

Required for concentrators in Classical Archaeology. Letter-graded.

For Undergraduates and Graduates

Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200-300 BCE

Catalog Number: 4150



Hallie Malcolm Franks

Half course (fall term). M., W., at 11. EXAM GROUP: 4

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.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Classical Archaeology 155. Portraiture in the Ancient World

Catalog Number: 5984

Hallie Malcolm Franks

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Investigates the role and development of portraiture in Greek and Roman art through archaeological and literary evidence. Focusing on definitions of portraiture, the emergence of “true” portraiture, and the contexts in which portraits appear, we will address questions of patronage and reception, and the use of portraiture in shaping personal, political, and cultural identities.

Classical Archaeology 161. Arts of the Eurasian Steppes and their European Successors - (New Course)

Catalog Number: 2452

David G. Mitten

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Arts of the Eurasian nomads, from prehistory through Scythians, Sarmatians and related peoples. Greek-Scythian interactions. Animal style arts of the Early Medieval Migration Period: Visigoths, Avars, Anglo-Saxons, Irish Celts and Vikings

Cross-listed Courses

[*History of Art and Architecture 101. The Materials of Art]

History of Art and Architecture 131g. Pergamon: A Hellenistic Royal Residence and its Roman Afterlife - (New Course)

History of Art and Architecture 139x. Art and Life in Pompeii - Proseminar - (New Course)
Literature and Arts B-21. The Images of Alexander the Great

Primarily for Graduates

Classical Archaeology 262. Hellenistic Coinage - (New Course)

Catalog Number: 3027

Carmen Arnold-Biucchi

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Introduction to the coinage of Alexander and the Successors. It will study mint organization, the economy and finances of the Hellenistic kingdoms, and the use of coins for political propaganda. Hands on seminar.



Cross-listed Courses

[History of Art and Architecture 235g. The Roman House as Enlivened Space - \(New Course\)](#)

Graduate Course of Reading and Research

***Classical Archaeology 351. Classical Archaeology: Proseminar**

Catalog Number: 5073

Richard F. Thomas 1630

Half course (fall term). Hours to be arranged.

Designed to introduce graduate students in Classical Archaeology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the PhD in Classical Archaeology. Open to other students by permission of the instructor.

Medieval Greek

For Undergraduates and Graduates

[Medieval Greek 115ar. Introduction to Byzantine Greek](#)

Catalog Number: 7682

John Duffy

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Introduces the student to medieval Greek language and literature and, through selected readings, to important elements of Byzantine culture and society. Texts chosen from different genres and periods to reflect the great diversity of Byzantine life and letters. Types of literature will include: devotional reading, biographies, chronicles, sacred and secular poetry, letters, ecphraseis, scholarly writings, and histories. Choice of readings will correspond in part to the specific interests and needs of the participants.

Prerequisite: Greek A and B or equivalent.

[Medieval Greek 125. Byzantine Religious Tales](#)

Catalog Number: 3317

John Duffy

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Reading a selection from the corpus of Byzantine religious tales and legends, including some that went on to have fruitful careers in Medieval Latin and other languages. Examples: The Jewish Boy Legend; The Sinner's Vision; The Drunken Nun; Boys Celebrating the Eucharist; The Heretical Businessman.

Cross Listed Courses

[*Freshman Seminar 38m. Meeting the Byzantines](#)

Medieval Latin



For Undergraduates and Graduates

[Medieval Latin 115. The Cambridge Songs and Medieval Lyric] - (New Course)

Catalog Number: 9054

Jan Ziolkowski

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores a renowned lyric collection that brings together verse composed in medieval Germany, France, and Italy, as well as excerpts from Latin poetry of classical antiquity and late antiquity. Examines questions of genre (panegyric, dirges, occasional poems, comic tales, didactic, spring poems, love poems, and religious poems), of meter, of relations between text and music, of manuscripts, and of anthologizing.

Note: Expected to be given in 2009–10. No prior experience with Medieval Latin necessary.

Medieval Latin 120. Wisdom and Learning

Catalog Number: 4019

Jan Ziolkowski

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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: No prior experience with Medieval Latin necessary.

Cross-listed Courses

[History of Science 297r. Topics in the History of Medieval Latin Science]

Latin Bam (formerly Latin 3m). Latin Prose Selections (Late Antique and Medieval)

Latin Bbm (formerly Latin 4m). Introduction to Latin Poetry (Late Antique and Medieval)

Medieval Studies 117. Constitutional and Legal History of Medieval England

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

***Medieval Studies 202 (formerly *Medieval Studies 102). Latin Palaeography and Manuscript Culture: Seminar**

[*Medieval Studies 280 (formerly *Comparative Literature 280). Literary Theory and Criticism in the Middle Ages: Seminar]

Modern Greek

Students interested in the Modern Greek Studies Program are encouraged to contact the Director of the Program, Prof. Panagiotis Roilos (roilos@fas.harvard.edu).

For Undergraduates and Graduates

Modern Greek A. Elementary Modern Greek

Catalog Number: 8604



Vassiliki Rapti

Full course. M., W., F., at 12, and an additional hour for conversation. EXAM GROUP: Spring: 5

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

Vassiliki Rapti

Full course. M., W., F., at 11. EXAM GROUP: 4

Aims at further development of skills in speaking, comprehension, reading, and writing. Selected readings in prose (literary and journalistic), poetry, folksongs, modern music, and theater serve as an introduction to aspects of modern Greek literature and culture. The second term is conducted in Greek and focuses on topics selected by the instructor and the students in the first term. Grammar is reviewed in the context of readings.

Prerequisite: An elementary knowledge of modern Greek (equivalent to that of Modern Greek A).

***Modern Greek 100. Advanced Modern Greek: Introduction to Modern Greek Literature**

Catalog Number: 8487

Dimitrios Yatromanolakis

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Literary, sociocultural, and linguistic analysis of selected readings in prose, poetry, orally transmitted songs and folktales.

Note: Conducted in Greek.

Prerequisite: Modern Greek B or equivalent and permission of instructor.

[Modern Greek 145 (formerly Comparative Literature 145). Dreams and Literature]

Catalog Number: 8412

Panagiotis Roilos

Half course (fall term). Tu., 1–3.

Against the dual background of ancient and medieval commentaries on the one hand, and modern psychoanalytic and ethnographic studies on the other, diverse literary texts will be explored. The major focus will be on Greek literature, but examples from other European literatures will also be considered (including film). Major topics: typology of dreams; dreams as narratives; dreaming and writing; religious dimensions. Theoretical readings to include: Aristotle, Aelius Aristides, Artemidorus, Synesius of Cyrene; Freud, Jung, Levi-Strauss, Foucault, Lyotard.

Note: Expected to be given in 2009–10. Students who have previously taken Comparative Literature 145, Dreams and Literature, may not take this course for credit.

Primarily for Graduates

[Modern Greek 205. C.P. Cavafy: European Modernism and the Poetics of Desire]

Catalog Number: 2021



Panagiotis Roilos

Half course (fall term). W., 1–3.

Studies the development of Cavafy's poetics and its connections with the broader sociocultural context of European aestheticism and modernism. Focuses on the articulation of desire and on current debates in gender studies and psychoanalytic theory.

Note: Expected to be given in 2009–10.

Modern Greek 206. Reception as Cultural Politics: Classical Tradition in Modern Greek Contexts - (New Course)

Catalog Number: 4112

Dimitrios Yatromanolakis

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the complex ways in which ancient Greek socio-aesthetic cultures are reconstructed and reworked in 19th- and 20th-century Greek and other European traditions, with special emphasis on Greek modernism, avant-garde, and post-modernism.

Cross-listed Courses

[Comparative Literature 266. Irony]

[Comparative Literature 288. Antiquity and Beyond: Modern Critical Theory and the Classics]

Comparative Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The Department of Comparative Literature has merged with the Committee on Degrees in Literature to form the Department of Literature and Comparative Literature. Please see the Department of Literature and Comparative Literature.

Computer Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the School of Engineering and Applied Sciences Offering Instruction in Computer Science

David M. Brooks, John L. Loeb Associate Professor of the Natural Sciences
 Steven J. Gortler, Robert I. Goldman Professor of Computer Science (*Director of Undergraduate Studies*)
 Barbara J. Grosz, Higgins Professor of Natural Sciences
 H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering
 Henry H. Leitner, Senior Lecturer on Computer Science
 Harry R. Lewis, Harvard College Professor and Gordon McKay Professor of Computer Science (*on leave fall term*)
 David J. Malan, Lecturer on Computer Science
 Michael D. Mitzenmacher, Gordon McKay Professor of Computer Science , Contin Ed/Spec Prog Instructor
 John G. Morrisett, Allen B. Cutting Professor of Computer Science
 Radhika Nagpal, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics
 David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences (*on leave fall term*)
 Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment (*on leave spring term*)
 Hanspeter Pfister, Gordon McKay Professor of the Practice of Computer Science, Director of Visual Computing in the Initiative in Innovative Computing
 Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science
 Margo I. Seltzer, Harvard College Professor and Herchel Smith Professor of Computer Science
 Stuart M. Shieber, James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science, Faculty Director of the Office for Scholarly Communication
 Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering, Dean of the Faculty of Arts and Sciences
 Salil P. Vadhan, Gordon McKay Professor of Computer Science and Applied Mathematics
 Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
 Gu-Yeon Wei, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
 Matthew D. Welsh, Thomas D. Cabot Associate Professor of Applied Science
 Todd Zickler, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

The School of Engineering and Applied Sciences (www.seas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. Engineering and Applied Sciences faculty also offer several courses in the section entitled Freshman Seminars, Extra-Departmental Courses, and House Seminars.

Primarily for Undergraduates



For information concerning concentration in Computer Science please consult the Director of Undergraduate Studies or the Academic Office, School of Engineering and Applied Sciences, Pierce Hall 110. The Applied Mathematics and Engineering Sciences sections of the catalog should be consulted for additional courses relevant to computer science. In addition, attention is called to the following courses in related fields: Quantitative Reasoning 20; Applied Mathematics 106, 107; Linguistics 112a, 112b; Philosophy 144; Physics 123; and Statistics 110, 111, 171.

Computer Science 1. Great Ideas in Computer Science

Catalog Number: 6903

Henry H. Leitner

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the most important discoveries and intellectual paradigms in computer science, designed for students with little or no previous background. Explores problem-solving using high and low-level programming languages; presents an integrated view of computer systems, from switching circuits up through compilers and GUI design. Examines theoretical and practical limitations related to unsolvable and intractable computational problems, and the social and ethical dilemmas presented by such issues as software unreliability and invasions of privacy. *Note:* May not be taken for credit after completing Computer Science 50. This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Computer Science 50. Introduction to Computer Science I

Catalog Number: 4949

David J. Malan

Half course (fall term). M., W., 1-2:30, and an additional 90-minute section to be arranged.

EXAM GROUP: 6, 7

Introduction to the intellectual enterprises of computer sciences. Algorithms: design, implementation, analysis. Software development: abstraction, encapsulations, data structures, debugging, testing. Architecture of computers: low-level data representation, instructions processing. Computer Systems: programming languages, compilers, operating systems, databases. Computers in the real world: networks, websites, security, forensics, cryptography. This course teaches students how to think more carefully and how to solve problems more effectively. Problem sets involve extensive programming in C as well as PHP and Javascript. *Note:* No previous programming experience required. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Computer Science 51. Introduction to Computer Science II

Catalog Number: 3411

John G. Morrisett

Half course (spring term). Tu., Th., 1-2:30, and an additional 90-minute section to be arranged.

EXAM GROUP: 15, 16

Abstraction and design in computation. Topics include: Functional and object-oriented styles of programming; software engineering in the small; implementation of a language interpreter. Goal: understanding how to design large programs to make them readable, maintainable, efficient, and



elegant. Exercises in LISP (Scheme) and C++.
Prerequisite: Computer Science 50 or equivalent.

Computer Science 61 (formerly Computer Science 160). Systems Programming and Machine Organization

Catalog Number: 3461

Matthew D. Welsh

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Fundamentals of computer systems programming, machine organization, and performance tuning. This course provides a solid background in systems programming and a deep understanding of low-level machine organization and design. Topics include C and assembly language programming, program optimization, memory hierarchy and caching, virtual memory and dynamic memory management, concurrency, threads, and synchronization.

Prerequisite: CS50 or some experience programming in C.

***Computer Science 91r. Supervised Reading and Research**

Catalog Number: 0361

Steven J. Gortler

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised individual study of advanced topics in computer science. A student wishing to enroll in Computer Science 91r must be accepted by a faculty member who will supervise the course work. A form available from the Academic Office, Pierce Hall 110, must be filled out and signed by the student and faculty supervisor. Students writing theses may enroll in this course while conducting thesis research and writing.

Note: At most two terms of Computer Science 91r may be taken for academic credit. May not be taken Pass/Fail. Students wishing more information about the range of suitable projects or faculty supervisors should consult the Director of Undergraduate Studies.

For Undergraduates and Graduates

Computer Science 105 (formerly Computer Science 199r). Privacy and Technology - (New Course)

Catalog Number: 9751

Michael D. Smith and James H. Waldo

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 16

What is privacy, and how is it affected by recent developments in computer technology? Course critically examines popular concepts of privacy and uses a rigorous analysis of technologies to understand the policy and ethical issues at play. Case studies: RFID, database anonymity, research ethics, wiretapping. Course relies on some technical material, but is open and accessible to all students, especially those with interest in economics, engineering, political science, computer science, sociology, biology, law, government, philosophy.

[Computer Science 120. Introduction to Cryptography]

Catalog Number: 5911

Salil P. Vadhan

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17



Algorithms to guarantee privacy and authenticity of data during communication and computation. Rigorous proofs of security based on precise definitions and assumptions. Topics may include one-way functions, private-key and public-key encryption, digital signatures, pseudorandom generators, higher-level protocols such as electronic cash, and the role of cryptography in network and systems security.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 121 or Computer Science 124.

Computer Science 121. Introduction to Formal Systems and Computation

Catalog Number: 0669

Salil P. Vadhan

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

General introduction to formal systems and the theory of computation, teaching how to reason precisely about computation and prove mathematical theorems about its capabilities and limitations. Finite automata, Turing machines, formal languages, computability, uncomputability, computational complexity, and the P vs. NP question.

Computer Science 124. Data Structures and Algorithms

Catalog Number: 5207

Michael D. Mitzenmacher

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Design and analysis of efficient algorithms and data structures. Algorithm design methods, graph algorithms, approximation algorithms, and randomized algorithms are covered.

Prerequisite: Computer Science 50 or equivalent; Computer Science 51 is helpful. Some exposure to discrete applied mathematics, such as Applied Mathematics 106 or 107 or Computer Science 121 or Statistics 110, is also helpful.

Computer Science 141. Computing Hardware

Catalog Number: 4357

David M. Brooks

Half course (fall term). M., W., 1–2:30, and a two-hour weekly laboratory. EXAM GROUP: 6, 7

Introduction to the design, structure, and operation of digital computers; logic circuits and digital electronics; computer arithmetic; computer architecture; and machine language programming.

Consideration of the design interactions between hardware and software systems.

Prerequisite: Programming experience required.

Computer Science 143. Computer Networks

Catalog Number: 6401

H. T. Kung

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Principles, design, implementation, and performance of computer networks. Topics include: Internet protocols and routing, local area networks, TCP, performance analysis, congestion control, network address translation, voice and video over IP, switching and routing, mobile IP, peer-to-peer overlay networks, network security, and other current research topics. Programming assignments on protocol implementation and analysis.

Prerequisite: Computer Science 51 and 61.



Computer Science 144r. Networks Design Projects

Catalog Number: 5415

H. T. Kung

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Cooperative design and development of advanced network-based systems with both technology and business considerations. Students will work in 2 person teams. Student work will include reading assignments, homework sets, a project proposal, and project reports and presentations. At the end of the class, all teams will defend their approaches and results in front of the class and invited guests.

Note: Preference given to upper-class undergraduates or graduate students in computer science or in business.

Prerequisite: Computer Science 143 or equivalent experience.

***Computer Science 148. Design of VLSI Circuits and Systems**

Catalog Number: 1772 Enrollment: Limited to 16.

Gu-Yeon Wei

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Presentation of concepts and techniques for the design and fabrication of VLSI systems and digital MOS integrated circuits. Topics include: basic semiconductor theory; MOS transistors and digital MOS circuits design; synchronous machines, clocking, and timing issues; high-level description and modeling of VLSI systems; synthesis and place and route design flows; and testing of VLSI circuits and systems. Various CAD tools for design, simulation, and verification are extensively used.

Prerequisite: Computer Science 141 or permission of instructor.

Computer Science 152. Programming Languages

Catalog Number: 6841

David F. Bacon

Half course (spring term). Tu., Th., 10–11:30.

Intellectual tools needed to design, evaluate, choose, and make effective use of programming languages. Covers the major concepts that form the backbone of almost all languages: syntax, abstraction mechanisms, modularity, type systems, naming, polymorphism, closures, continuations. Case studies of advanced languages. In response to changing hardware architectures, parallel programming constructs and techniques will be a major focus. Formal semantics, standardization, and portability. Groundings sufficient to read professional literature.

Prerequisite: Computer Science 51; Computer Science 121 is recommended. Students must have good programming skills, be comfortable with recursion, basic mathematical ideas and notations.

[Computer Science 153. Compilers]

Catalog Number: 2842

John G. Morrisett

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Implementation of efficient interpreters and compilers for programming languages. Associated algorithms and pragmatic issues. Emphasizes practical applications including those outside of programming languages proper. Also shows relationships to programming-language theory and design. Participants build a working compiler including lexical analysis, parsing, type checking,



code generation, and register allocation. Exposure to run-time issues and optimization.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 51 or 61.

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: threads, processes, scheduling, synchronization. Storage abstractions: dynamic memory allocation, virtual memory, file system design. Communication abstractions: interprocess communication, networking. Case studies. Design and implementation of parts of a multiuser multitasking virtual-memory operating system.

Prerequisite: Computer Science 51 and 61.

[Computer Science 165. Information Management]

Catalog Number: 0560

Margo I. Seltzer

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Covers the fundamental concepts of database and information management. Data models: relational, object-oriented, and other; implementation techniques of database management systems, such as indexing structures, concurrency control, recovery, and query processing; management of unstructured data; terabyte-scale databases.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 51.

Computer Science 171. Visualization

Catalog Number: 8877

Hanspeter Pfister

Half course (spring term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Introduction to key design principles and techniques for visualizing data. Covers data and image models, visual perception, interaction techniques, animation, tools from various fields, and design practices. Introduces programming of static, dynamic, and interactive visualizations.

Prerequisite: Computer Science 50 or equivalent, Mathematics 1b. Exceptions by permission of the instructor.

Computer Science 175. Computer Graphics

Catalog Number: 3771

Steven J. Gortler

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

The computational aspects of computer graphics. Two major themes are image rendering (viewing transformations, clipping, visible-surface processing, raster algorithms, reflection models, lighting models, surface shading, antialiasing, ray tracing, radiosity, and volume rendering) and scene modeling (modeling transformations, curves and surfaces, texture mapping, data-amplification techniques, constructive solid geometry, scalar- and vector-field data, and



animation). Ancillary topics include color compression, image compression, image compositing, graphical user interfaces, and special machine architectures for computer graphics.

Prerequisite: Computer Science 51, Applied Mathematics 21b or Mathematics 21b.

[*Computer Science 179. Design of Usable Interactive Systems]

Catalog Number: 4052 Enrollment: Limited to 24.

Half course (spring term). M., W., 2:30–4:30. EXAM GROUP: 7, 8, 9

Usability and design as keys to successful technology. Covers user observation techniques, needs assessment, low and high fidelity prototyping, usability testing methods, as well as design best practices. Focuses on understanding and applying the lessons of human interaction to the design of usable systems; will also look at lessons to be learned from less usable systems. The course centers on a semester-long design project, with classes mixing studio and seminar formats.

Note: Expected to be given in 2009–10.

Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty

Catalog Number: 6454

Sarah Finney

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to artificial intelligence, focusing on problems of perception, machine learning and reasoning under uncertainty. Supervised learning algorithms. Neural networks and applications to character recognition. Statistical pattern recognition. Bayesian networks: representation, inference and learning. Hidden Markov models and applications to speech recognition. Markov decision processes and reinforcement learning.

Prerequisite: Computer Science 51 and Computer Science 121. Statistics 110 is recommended.

[Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans]

Catalog Number: 0134

David C. Parkes

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to AI, focused on problems in reasoning about action and rational decision making. Search: constraint satisfaction; informed search and optimization; game playing. Knowledge representation and logical inference. Planning: representation, search and heuristics. Bounded rationality, situated agents. Multiagent systems. Discussion of relevant work in philosophy, economics, and decision theory. Applications to scheduling, robotics and e-commerce.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 51; Computer Science 121 (may be taken concurrently).

Computer Science 187. Computational Linguistics

Catalog Number: 0249

Stuart M. Shieber

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to computational linguistics, the study of human language using the tools and techniques of computer science, with applications to a variety of natural-language-processing problems. Representing syntactic structure: context-free, augmented context-free, and trans-context-free grammars. Representing semantic structure: first-order and higher-order logics.



Computing with syntactic and semantic representations: Prolog programming; parsing and generation algorithms. Low-level language processing with finite-state methods.

Prerequisite: Computer Science 121.

***Computer Science 199r. Special Topics in Computer Science**

Catalog Number: 4242

Radhika Nagpal

Half course (spring term). F., 1–4.

Robotic Systems Design: Building autonomous robotic systems requires understanding how to make robots that observe, reason, and act. The fundamentals behind each of these components requires an understanding of different engineering principles: how to fuse, multiple noisy sensor inputs; how to balance short-term versus long-term goals; how to control one's actions and reliably manipulate objects. In this class we will study these questions in the context of a semester-long project to develop autonomous robot soccer teams.

Note: The class format will mix seminar and lab formats. Limited enrollment: 18; Preference will be given to undergraduate students with previous experience in robot soccer, and robotics.

Primarily for Graduates

[Computer Science 220r. Cryptography: Trust and Adversity]

Catalog Number: 1637

Michael O. Rabin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Modern cryptography. Mathematical tools. Public-key encryptions, digital signatures, key exchanges, zero-knowledge proofs, authentication, oblivious transfer, electronic elections, auctions, secure multi-party computations. Quantum and provably secure encryptions.

Foundations: Probabilistic encryption and semantic security. Attacks and countermeasures.

Note: Expected to be given in 2009–10.

[Computer Science 221. Computational Complexity]

Catalog Number: 5812

Leslie G. Valiant

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

A quantitative theory of the resources needed for computing and the impediments to efficient computation. The models of computation considered include ones that are finite or infinite, deterministic, randomized, quantum or nondeterministic, discrete or algebraic, sequential or parallel.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 121 or equivalent.

Computer Science 222. Algorithms at the Ends of the Wire

Catalog Number: 2493

Michael D. Mitzenmacher

Half course (spring term). Tu., Th., 10–11:30.

Covers topics related to algorithms for big data, especially related to networks. Themes include compression, cryptography, coding, and information retrieval related to the World Wide Web.



Requires a major final project.

Prerequisite: Computer Science 124.

[Computer Science 223. Probabilistic Analysis and Algorithms]

Catalog Number: 4740

Michael D. Mitzenmacher

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Probabilistic techniques and tools for the design and analysis of algorithms. Designed for all first-year graduate students in all areas.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 124. Preferably additional probability, such as in Computer Science 226r, Statistics 110, or Mathematics 191.

Computer Science 225. Pseudorandomness

Catalog Number: 4869

Salil P. Vadhan

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Efficiently generating objects that “look random” despite being constructed using little or no randomness. Connections and applications to computational complexity, cryptography, and combinatorics. Pseudorandom generators, randomness extractors, expander graphs, error-correcting codes, hash functions.

Prerequisite: Exposure to randomized algorithms (as in Computer Science 124), computational complexity (as in Computer Science 121), and algebra (as in Applied Mathematics 106, Mathematics 123, or Computer Science 226r).

Computer Science 226r. Efficient Algorithms

Catalog Number: 1749

Michael O. Rabin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Important algorithms and their real life applications. Topics include combinatorics, string matching, wavelets, FFT, computational algebra number theory and geometry, randomized algorithms, search engines, page rankings, maximal flows, error correcting codes, cryptography, parallel algorithms.

Computer Science 228. Computational Learning Theory

Catalog Number: 0364

Leslie G. Valiant

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Possibilities of and limitations to performing learning by computational agents. Topics include computational models, polynomial time learnability, learning from examples and learning from queries to oracles. Applications to Boolean functions, automata and geometric functions.

Prerequisite: Computer Science 121 or equivalent.

Computer Science 244r. Networks Design Projects

Catalog Number: 3018

H. T. Kung



Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

The contents and course requirements are similar to those of Computer Science 144r, with the exception that students enrolled in Computer Science 244r are expected to do substantial system implementation and perform graduate-level work.

Note: Preference given to upper-class undergraduates or graduate students in computer science or in business who are proficient in computer programming or in business software.

Prerequisite: Computer Science 143 or equivalent experience.

Computer Science 246r. Advanced Computer Architecture

Catalog Number: 0979

David M. Brooks

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Covers technology trends in computer system design, with an emphasis on power-aware computing for mobile, embedded, and traditional systems. System design areas include implementation, architecture, system software, and applications.

Note: Taught seminar style after the first several lectures.

Prerequisite: Computer Science 141 recommended. Consult instructor with questions.

***Computer Science 248. Advanced Design of VLSI Circuits and Systems**

Catalog Number: 7191 Enrollment: Limited to 16.

Gu-Yeon Wei

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The contents and course requirements are similar to those of Computer Science 148, with the exception that students enrolled in Computer Science 248 are expected to do a substantial design project and paper discussions on advanced topics.

Prerequisite: Computer Science 141 or permission of instructor.

[Computer Science 250r. Topics in Programming Language Design and Implementation]

Catalog Number: 8553

John G. Morrisett

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Seminar course discussing readings from research in programming language design and implementation. This offering will explore unifying abstractions for next-generation programming languages. Transactions and communication, types and effects, types and logics, modules and classes.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 152, Computer Science 153, or equivalent.

Computer Science 252 (formerly Computer Science 252r). Advanced Topics in Programming Languages

Catalog Number: 1986

John G. Morrisett

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

Advanced functional programming. Lazy evaluation, monads. Folds and unfolds. Combinators for parsing and prettyprinting. Modules systems. Type systems: polymorphism and overloading, type and constructor classes, higher-order kinds, higher-rank polymorphism, polytypic



programming. Implementation: heap profiling.

Prerequisite: Computer Science 152 or permission of the instructor.

[Computer Science 260 (formerly Computer Science 260r). Topics in Computer Systems]

Catalog Number: 7764

Matthew D. Welsh

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Readings from research literature in operating systems, distributed systems, and networking. The topic in 2006 will be "Internet-Scale Sensor Networking." Large-scale querying on Internet data; stream-based database systems; interfacing to sensor networks.

Note: Expected to be given in 2009–10.

[Computer Science 261. Research Topics in Operating Systems]

Catalog Number: 6706

Margo I. Seltzer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A quantitative approach to operating system design and evaluation. Discussion of recent research including extensible operating system architectures, distributed systems, and performance analysis. Overview of research techniques and methodology.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 161, or equivalent.

[Computer Science 262. Introduction to Distributed Computing]

Catalog Number: 7949

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Examination of the special problems associated with distributive computing (e.g., partial failure and lack of global knowledge) and protocols that function in the face of these problems.

Emphasis on causal ordering, event and RPC-based systems.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 161 or permission of instructor.

***Computer Science 263r (formerly Computer Science 263). Wireless Sensor Networks**

Catalog Number: 6846 Enrollment: Limited to 20.

Matthew D. Welsh

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Recent advances in wireless communications and sensor networks. Wireless networking, routing, standards including 802.11, Bluetooth, and 802.15.4. Embedded OS, programming tools, applications, and security. Students read research papers and undertake a research project.

Prerequisite: Computer Science 161 or Computer Science 143.

Computer Science 265. Database Systems - (New Course)

Catalog Number: 2083

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: CS 51

***Computer Science 266. Biologically-Inspired Distributed and Multi-Agent Systems**

Catalog Number: 0766 Enrollment: Limited to 16.

Radhika Nagpal

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Surveys biologically-inspired approaches to designing distributed systems. Focus is on algorithms, analysis, and programming paradigms. Topics: swarm intelligence, amorphous computing, immune-inspired systems, synthetic biology. Discussion of research papers and a research project required.

Note: Geared toward graduate students of all levels as well as advanced undergraduates. Preference given to graduate students or upper-level concentrators.

Prerequisite: Experience with algorithms (e.g. Computer Science 124) and programming (e.g. Computer Science 51).

[Computer Science 277. Geometric Modeling in Computer Graphics]

Catalog Number: 3067

Steven J. Gortler

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Advanced seminar in computer graphics focusing on geometric representations and processing. Topics include: direct manipulation, implicit surfaces, spline presentations, recursively subdivided surfaces, model simplification, surface parameterization and processing, mesh generation, and motion capture processing.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 175.

Computer Science 278. Rendering and Image Processing in Computer Graphics

Catalog Number: 4883

Steven J. Gortler

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Advanced course in computer graphics focusing on image rendering and processing. Topics include: light transport, efficient rendering, image based rendering, texture processing, interactive image processing.

Prerequisite: Computer Science 175 or permission of instructor.

[*Computer Science 279 (formerly *Computer Science 279r). Topics in User Interfaces: Privacy and Security Usability]

Catalog Number: 1435 Enrollment: Limited to 12.

Stuart M. Shieber

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Seminar on topics drawn from computer-human interfaces, information retrieval, and



information visualization. Intensive lab component emphasizes small group design and implementation. Spring 2008 focus is usability of computer security and privacy systems.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 51 and experience developing large software systems as evidenced by successful completion of a systems course requiring a large project.

[Computer Science 281r. Artificial Intelligence: Reasoning and Planning Systems]

Catalog Number: 0707

Avrom J. Pfeffer

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

In-depth study of artificial intelligence techniques for reasoning, planning, and learning. Topics vary from year to year.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 182 or permission of instructor.

[Computer Science 282. Probabilistic Reasoning]

Catalog Number: 3158

Avrom J. Pfeffer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

In-depth study of principles and techniques for probabilistic reasoning. Topics include: Bayesian networks and Markov networks; exact and approximate inference algorithms; learning Bayesian networks from data; temporal probability models; integrating logic and probability; influence diagrams.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 181 or permission of instructor.

[Computer Science 283. Computer Vision]

Catalog Number: 4475

Todd Zickler

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Vision as an ill-posed inverse problem: image formation, two-dimensional signal processing; image enhancement and restoration; feature analysis; image segmentation; structure from motion, texture, and shading; multiple view geometry; pattern classification; and applications.

Note: Expected to be given in 2009–10.

Computer Science 285. Multi-Agent Systems

Catalog Number: 1060

David C. Parkes

Half course (spring term). Tu., Th., 11:30–1.

Algorithmic, game-theoretic and logical foundations of multi-agent systems, including distributed optimization and problem solving, non-cooperative game theory, learning and teaching, communication, social choice, mechanism design, auctions, negotiation, coalitional game theory, logics of knowledge and belief, collaborative plans and social systems.

Prerequisite: Computer Science 181 or 182, or permission of instructor.



Computer Science 286r. Topics at the Interface between Computer Science and Economics

Catalog Number: 1099 Enrollment: Limited to 20.

Yiling Chen

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Social Computing. Interplay between computation and social behavior within decentralized collective systems. Prediction markets, human computation, peer production systems, and reputation systems. Readings in theoretical CS, AI, operations research, and economics. Seminar style.

Prerequisite: Mathematics 21b, Applied Mathematics 21b, or equivalent; Computer Science 124, and 181 or 182, or equivalents; or permission of instructor.

[Computer Science 287r. Natural Language Processing]

Catalog Number: 3306

Stuart M. Shieber

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

In-depth investigation of natural-language-processing techniques. Topics include: finite-state, context-free, and trans-context-free formalisms, syntactic analysis, semantic interpretation, weighted automata and transducers. Students discuss research papers and undertake a significant research project.

Note: Expected to be given in 2009–10.

Prerequisite: Computer Science 187 or permission of instructor.

Computer Science 299r. Special Topics in Computer Science

Catalog Number: 4592

John G. Morrisett

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable computer science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the School of Engineering and Applied Sciences. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Computer Science 307,308. Biologically-Inspired Multi-Agent Systems, Distributed Systems, and Computational Biology**

Catalog Number: 8289

Radhika Nagpal 5068

***Computer Science 309,310. Computational Mechanism Design, Electronic Marketplaces, and Multi-Agent Systems**



Cata,09310log Number: 8764
David C. Parkes 4202 (on leave fall term)

***Computer Science 311,312. Collaborative Systems, AI Planning, and Natural Language Processing**

Cata,62230log Number: 4677
Barbara J. Grosz 1599

***Computer Science 313,314. Visual Computing**

Cata,16280log Number: 4273
Hanspeter Pfister 5882

***Computer Science 315,316. Social Computing: Computation and Economics - (New Course)**

Cata,24330log Number: 2892
Yiling Chen 6187

***Computer Science 319,320. Distributed Systems, Operating Systems, and Networks**

Cata,85680log Number: 8038
Matthew D. Welsh 4600

***Computer Science 321,322. Databases, Operating System, and Software Design**

Cata,40860log Number: 4085
Margo I. Seltzer 3371

***Computer Science 323,324. Human-Computer Communication through Natural, Graphical, and Artificial Languages**

Cata,24530log Number: 2450
Stuart M. Shieber 2456

***Computer Science 327,328. Mathematical Logic, Theory of Computation**

Cata,35760log Number: 1160
Harry R. Lewis 4455 (on leave fall term)

***Computer Science 343,344. Computer Architecture: Modeling and Design**

Cata,92660log Number: 3932
David M. Brooks 4222

***Computer Science 345,346. High-Performance Computer Systems**

Cata,61560log Number: 6154
Michael D. Smith 3372

***Computer Science 347,348. Computer Vision**

Cata,88310log Number: 1882
Todd Zickler 5143



***Computer Science 351,352. Cryptography: Unbreakable Codes and Financial Cryptography**

Cata,02550log Number: 0218

Michael O. Rabin 7003

***Computer Science 353,354. Representation and Reasoning, Machine Learning and Decision Making**

Cata,18430log Number: 6816

Avrom J. Pfeffer 2830 (on leave spring term)

***Computer Science 355,356. Computational Complexity, Parallel Computation, Computational Learning, Neural Computation**

Cata,03460log Number: 0345

Leslie G. Valiant 7396

***Computer Science 357,358. Computational Complexity, Cryptography, and Pseudorandomness**

Cata,86410log Number: 3485

Salil P. Vadhan 3833

***Computer Science 359,360. On-line Algorithms and Randomized Algorithms**

Cata,14770log Number: 2104

Michael D. Mitzenmacher 7748

***Computer Science 361,362. Programming Languages and Semantics**

Cata,83660log Number: 8672

John G. Morrisett 4853

***Computer Science 365. SEAS Teaching Practicum - (New Course)**

Catalog Number: 8195

John G. Morrisett 4853

Half course (fall term). W., 4–5:30. EXAM GROUP: 9

Gain effective skills for teaching applied sciences. Topics: presentation and communication, lesson planning, classroom practice, office hours and 1-on-1 interactions, feedback, assessment, and working with course staff. Seminar style with an emphasis on observation, practice, feedback, discussion, and reflection.

***Computer Science 375,376. Computer Graphics**

Cata,73130log Number: 6832

Steven J. Gortler 2824

Cross-listed Courses

***Statistics 385. Topics in Statistical Machine Learning - (New Course)**

Catalog Number: 0512

Edoardo Maria Airoidi 6132



Half course (spring term). W., 2:30–5:30.

Hands-on introduction to concepts and computations central to cutting-edge research, including sparse learning in high dimensions, semi-supervised learning strategies, structured predictions, approximate inference strategies in probabilistic graphical models, and statistical elements of graph data analysis.

Dramatic Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Dramatics

Robert Scanlan, Professor of the Practice of Theater (*Chair*)

Elizabeth Weil Bergmann, Lecturer on Dramatic Arts

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Marjorie Garber, William R. Kenan, Jr. Professor of English

Jorie Graham, Boylston Professor of Rhetoric and Oratory (*on leave fall term*)

Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature

Elizabeth Dyrud Lyman, Assistant Professor of English

Christie McDonald, Smith Professor of French Language and Literature and Professor of Comparative Literature

John C. Megan, Director, Office for the Arts at Harvard (*ex officio*)

Robert J. Orchard, Director of the Loeb Drama Center and Executive Director of the American Repertory Theatre (*ex officio*)

Diane Paulus, Artistic Director of the American Repertory Theatre (*ex officio*)

Peter Sacks, John P. Marquand Professor of English (*on leave fall term*)

Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value (*on leave fall term*)

Oliver Simons, Assistant Professor of Germanic Languages and Literatures (*on leave spring term*)

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean of Arts and Humanities

Marcus Stern, Lecturer on Dramatic Arts (*ex officio*)

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Scott Zigler, Lecturer on Dramatic Arts

Other Faculty Offering Instruction in Dramatic Arts



Remo Francisco Airaldi, Lecturer on Dramatic Arts , Contin Ed/Spec Prog Instructor
Christine Dakin, Visiting Lecturer on Dramatic Arts
Thomas Derrah, Lecturer on Dramatic Arts
Jeremy Geidt, Lecturer on Dramatic Arts
J. Michael Griggs, Lecturer on Dramatic Arts
Nancy K. Houfek, Lecturer on Dramatic Arts
William S. Lebow, Lecturer on Dramatic Arts
Karen L. MacDonald, Lecturer on Dramatic Arts
Marcus Stern, Lecturer on Dramatic Arts
Leslie Woodies, Visiting Lecturer on Dramatic Arts, Dance Instructor
Scott Zigler, Lecturer on Dramatic Arts

For Undergraduates and Graduates

Dramatic Arts 101 (formerly 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 and overview of the major creative elements in professional theater including: acting, directing, playwriting, and designing. Special attention given to productions by the American Repertory Theatre (ART), The Institute and other productions in the Boston area. Students have the opportunity to attend and analyze at least five different productions and to engage in creative collaborative work throughout the term. Additionally, theater professionals from ART give guest lectures in their areas of expertise.

***Dramatic Arts 105 (formerly *Dramatic Arts 5). Production Dramaturgy**

Catalog Number: 7592 Enrollment: Limited to 20.

Ryan Scott Mckittrick

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Principles of dramaturgy introduced and explained in the context of full productions of performance events. Students will apply literary research and analysis techniques to the preparation of scripts for performance. Specific projects will serve as examples for studying historical background, formal plot theory, scene units, tempo dynamics, and action theory, as they are handled by directors, actors, and stage managers in the rehearsal hall.

***Dramatic Arts 106. French Dramaturgy from Moliere to the Present - (New Course)**

Catalog Number: 2046

Guila Clara Kessous

Half course (spring term). Tu., 4–6; Th., 3–5. EXAM GROUP: 18

This class is taught in French and is a cross-disciplinary course that gives an opportunity to dance, visual arts and music students to express themselves through French dramaturgy. The final project consists of a production of the play "Ondine" by J. Giraudoux and allows students to focus on 20th-century French impressionists, such as music composers Ravel and Debussy and painters Monet and Renoir.

Note: Taught in French.



***Dramatic Arts 110 (formerly *Dramatic Arts 11). Beginning Acting**

Catalog Number: 3321

Thomas Derrah

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An exploration of the basic techniques of acting, beginning with exercises that flex the imagination and heighten observation; the course will then move towards work on rhythm, an actor's instincts, focus, concentration, and character. The texts of Anton Chekhov will be used as a point of reference for the work. The latter part of the course will concentrate on selected scene study from Chekhov's major plays.

Note: Enrollment determined by audition.

Dramatic Arts 111 (formerly Dramatic Arts 17). Intermediate Acting

Catalog Number: 9738

Karen L. MacDonald

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An expansion of basic acting techniques, with an emphasis on the work done during rehearsal. How do you prepare for a rehearsal each day? How do you maximize your time in rehearsal? How do you work with different directors? Emphasis is placed on creating a character and building a role. Actors will be doing scene study, monologue work, and improvisation.

Note: Enrollment determined by audition.

***Dramatic Arts 112r (formerly *Dramatic Arts 18r). Advanced Acting: 20th-Century Texts**

Catalog Number: 8011

Marcus Stern

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A course of advanced acting techniques using 20th-century dramatic texts for scene work. The emphasis is on text analysis, character development, action based acting, and the creation of an acting process that is specifically tailored to the individual actor. The goal is to provide the actor with concrete skills that produce tangible results in rehearsal and in performance. This course is for actors who are interested in working in theater, television, and/or film.

Note: Enrollment determined by audition on the first day of class.

Dramatic Arts 114 (formerly Dramatic Arts 36). Practical Aesthetics

Catalog Number: 8994

Scott Zigler

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Practical Aesthetics Acting Technique was developed by playwright David Mamet and actor William H. Macy, based on the work of the American acting teacher Sanford Meisner and the Russian acting teacher Konstantin Stanislavski. In this course, students will focus on rigorous text analysis combined with emphasis on enhancing the actor's spontaneity through training in Meisner's "Repetition Exercise." Students will do scene work drawn from a wide selection of plays.

Note: Enrollment will be determined by lottery at the first class meeting.

Prerequisite: Dramatic Arts course in Acting, previous study in Practical Aesthetics, or extensive undergraduate performance experience.



***Dramatic Arts 115 (formerly *Dramatic Arts 12). Acting Shakespeare**

Catalog Number: 6659 Enrollment: Limited to 20.

Jeremy Geidt

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Investigation of the texts of Shakespeare as theatre, developing an American approach to verse speaking and character analysis. Scenes are rehearsed to interpret the verse and prose by the light of modern experience. Explores the imagination of the playwright in order to develop the imagination of the student.

Dramatic Arts 116 (formerly Dramatic Arts 13). Acting Workshop: Comedy

Catalog Number: 9926

William S. Lebow

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A course developing the actor's approach to and playing of comedy and humor. Using characters and scenes from Shakespeare, Molière, Shaw, and contemporary writers from Christopher Durang to Steve Martin, the course focuses on the universality of comic technique and the specific demands of comic playing. The question of humor is explored with respect to dramatic situations and characters that are inherently serious. Student scenes will occasionally be critiqued by members of the A.R.T. Company.

Note: Enrollment determined by audition on the first day of class.

***Dramatic Arts 117 (formerly *Dramatic Arts 35). Acting Chekhov**

Catalog Number: 1465

Remo Francisco Airaldi

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

An exploration of Chekhov's plays from an actor's point of view in order to develop a practical approach to any dramatic text. We will balance the use of analytical skills--playable actions, active verbs, subtext and beats -- with the need to free the actor's creative imagination, through exercises and improvisations. A variety of acting techniques will be used in scene work from the plays, including the techniques of Stanislavski, Michael Chekhov, Strasberg, Adler and Meisner as well as non-text-based approaches.

Note: Enrollment determined by audition.

***Dramatic Arts 118 (formerly *Dramatic Arts 40). Introduction to Stage Combat**

Catalog Number: 4551 Enrollment: Limited to 12.

Robert Scanlan

Half course (fall term). Tu., Th., 3–4:30. EXAM GROUP: 17, 18

This course will explore fundamental principles of theatrical combat that are applicable to both classic and contemporary plays. An acting class using physical exchanges rather than lines of dialogue, this course teaches techniques of safety and illusion through shared-weight techniques such as, pushes, chokes, and hair grabs; contact and non-contact strikes, such as slaps, punches, and kicks; and falls and rolls. Time permitting, we will investigate the use of Elizabethan rapier.

Dramatic Arts 119 (formerly Dramatic Arts 28). Vocal Production for the Stage

Catalog Number: 8900

Nancy K. Houfek



Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Whether one is performing in a play, speaking professionally, teaching a class or leading a group, the ability to use one's voice effectively is a primary element of the success of the presentation. Using several major techniques of speaking training, students learn not only how to use the voice, but how these various approaches to voice training correspond to specific performance challenges.

Note: Enrollment determined by interview.

[*Dramatic Arts 120 (formerly *Dramatic Arts 14). The Art of Movement Design: Choreography]

Catalog Number: 2983

Elizabeth Weil Bergmann

Half course (fall term). Hours to be arranged.

This basic choreography class utilizes movement exploration to tap into the participant's creativity. Assignments examine the use of time, weight, space, and flow in developing interesting movement phrases. Through a combination of readings, discussion, videos, and dance improvisation, the course focuses on how movement choices develop dances that are kinesthetic, dramatic, and artistic for both the performer and the audience.

Note: Expected to be given in 2009–10. Enrollment determined by interview the first week of class.

***Dramatic Arts 121 (formerly *Dramatic Arts 14a). Group Choreography**

Catalog Number: 9209

Elizabeth Weil Bergmann

Half course (fall term; repeated spring term). Hours to be arranged.

The focus in this course will be on choreographing for groups of three or more dancers. Concentrating on the principles of group form along with the use of space and music, assignments will be individually tailored to suit each choreographer's experience. Texts and videos will be assigned as relevant to specific individual projects.

Note: Enrollment determined by interview. Call instructor at 617-495-1484. May be repeated with instructor approval.

***Dramatic Arts 124. Dance in Musical Theatre - (New Course)**

Catalog Number: 5041

Leslie Woodies

Half course (fall term). Tu., Th., 3:30–5:30. EXAM GROUP: 17, 18

Examine the unique dance styles of Agnes de Mille, Jerome Robbins, Michael Bennett and Bob Fosse using video comparisons of original productions, revivals and film translations, and placing the works in historical and biographical context. Through practical experience, students find the precise physical language of short phrases from specific dances and discover how action, energy and intention bring story telling to life. Visiting guest artists to be announced.

Dramatic Arts 127. Rite of Spring at the Nexus of Art and Ritual - (New Course)

Catalog Number: 9660

Christine Dakin

Half course (spring term). Tu., 3–6. EXAM GROUP: 17, 18



Explore the universal appeal of the Rite of Spring, the quintessential music/dance/theater embodiment of the artist's transformation of ritual to art and art to ritual. Christine Dakin, principal dancer, Artistic Director Laureate of the Martha Graham Dance Company will lead an examination of the original Stravinsky/Nijinsky and four later Rites: German-Pina Bausch, Mexican-Jaime Blanc and American-Martha Graham and Stephen Petronio. Laboratory work develops elements of a contemporary ritual.

Note: No prior dance, music, or theatre experience necessary.

***Dramatic Arts 130r (formerly *Dramatic Arts 130). Directing**

Catalog Number: 8160 Enrollment: Limited to 9.

Marcus Stern

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A directing class for directors, as well as for actors, dramaturgs, and designers investigating all aspects of theater. The class accommodates beginning to advanced levels of work. Through constant scene work the course will examine the directorial tools of text analysis, staging, design, and working with actors. The focus is on understanding texts and explicating the actor's response to those texts on stage. Also useful for directors who are interested in television and film.

Note: May be repeated with instructor and adviser approval. Enrollment determined by short interviews to be conducted on the first day of class.

Dramatic Arts 135 (formerly Dramatic Arts 30). Design for the Theatre: History and Practice

Catalog Number: 9503

J. Michael Griggs

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The practice of designing scenery for the theatre is explored through the history of stage design and the architecture of the theater building. Students complete projects of research and design for plays from various periods. The projects will introduce basic techniques in drawing, drafting, and model making. No previous experience in design or art necessary.

Note: This class is being redesigned so that it may be taught in a class room setting rather than be a hands on studio course

***Dramatic Arts 136 (formerly *Dramatic Arts 31). Designing for the Stage**

Catalog Number: 1116 Enrollment: Limited to 12.

J. Michael Griggs

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Students prepare and present for criticism stage design projects based on play texts that suggest varying interpretive and stylistic problems. Focus is on examining ideas through research of visual material and analysis of text. Through their design projects, students also complete assignments in perspective drawing, drafting, model making, and lighting design. Students at all levels of skill are welcome.

Note: This class is being redesigned so that it may be taught in a class room setting rather than be a hands on studio course

[*Dramatic Arts 147 (formerly *Dramatic Arts 19). Playwriting and Dramatic Technique]

Catalog Number: 8045 Enrollment: Limited to 8.



Gideon M. Lester

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An advanced investigation of dramatic technique for students with prior experience of playwriting. The seminar focuses on the structural principles of dramatic composition, examining paradigms from Aristotle to David Mamet and developing a formal methodology for playwriting. Through a series of exercises and draft scenes students gain an understanding of theatrical craft, invaluable to playwrights and dramaturgs, and complete a major piece of dramatic writing.

Note: Expected to be given in 2009–10. Admission based on samples of writing submitted to the instructor.

Primarily for Undergraduates

Cross-listed Courses

[African and African American Studies 134z. Black and White in Drama, Film and Performance] - (New Course)

[Chinese Literature 158. Passion and Duty in Chinese Drama]

***English Cakr. Advanced Playwriting**

***English Calr. Advanced Screenwriting**

***English Camr. Advanced Playwriting 2: Production Workshop - (New Course)**

***English Ckr. Introduction to Playwriting**

***English Clr. Introduction to Screenwriting**

***English 90ab. American "Realists": O'Neill, Williams, Miller - (New Course)**

***English 90ha. Shakespeare's Master Orators - (New Course)**

***English 90pb. Dramatic Structure and Analysis**

[*English 90qe. Pinter, Stoppard, Churchill, & Frayn]

***English 90sb. Samuel Beckett's Plays and Prose**

***English 90xt. Theater/Theory/Text - (New Course)**

English 121. Shakespeare After Hamlet - (New Course)

English 129. Shakespeare in Slow Motion: Conference Course - (New Course)

[English 162c. Modern Drama]

Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context

[German 123. Fear and Pity: German Tragedies from the 18th to the 20th Century]

German 174. The Drama of Enlightenment - (New Course)

Italian 40. Advanced Oral Expression: Teatro dal vivo

Literature and Arts A-35. Tragic Drama and Human Conflict

Yiddish 110. Yiddish Drama on Stage and Screen - (New Course)



Earth and Planetary Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Earth and Planetary Sciences

John H. Shaw, Harry C. Dudley Professor of Structural and Economic Geology, Harvard College Professor (*Chair*)

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry

Jeremy Bloxham, Mallinckrodt Professor of Geophysics and Professor of Computational Science, Dean of Science

Adam M. Dziewonski, Frank B. Baird, Jr. Professor of Science

Brian F. Farrell, Robert P. Burden Professor of Meteorology

Paul F. Hoffman, Sturgis Hooper Professor of Geology (*on leave fall term*)

John P. Holdren, Professor of Environmental Science and Public Policy (*FAS*) and Teresa and

John Heinz Professor of Environmental Science and Public Policy (*Kennedy School*)

Peter John Huybers, Assistant Professor of Earth and Planetary Sciences

Miaki Ishii, Assistant Professor of Earth and Planetary Sciences

Daniel J. Jacob, Vasco McCoy Family Professor of Atmospheric Chemistry and Environmental Engineering

Stein B. Jacobsen, Professor of Geochemistry

Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences (*on leave fall term*)

Zhiming Kuang, Assistant Professor of Climate Science

Charles H. Langmuir, Higgins Professor of Geochemistry

Charles R. Marshall, Professor of Biology and of Geology

Scot T. Martin, Gordon McKay Professor of Environmental Chemistry

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of Biological Oceanography

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Brendan J. Meade, Assistant Professor of Earth and Planetary Sciences

Sujoy Mukhopadhyay, Assistant Professor of Geochemistry (*Co-Director of Graduate Studies*)

Richard J. O'Connell, Professor of Geophysics

Ann Pearson, Thomas D. Cabot Associate Professor of Earth and Planetary Sciences (*Co-Head Tutor*)

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental Science and Engineering

Sarah Stewart-Mukhopadhyay, Assistant Professor of Planetary Science

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics (*Co-Director of Graduate Studies*)

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science (*Co-Head Tutor*)

Other Faculty Offering Instruction in the Department of Earth and Planetary Sciences



James L. Davis, Lecturer on Earth and Planetary Sciences

For more information about Earth and Planetary Sciences, please visit the department's website at www.eps.harvard.edu.

Primarily for Undergraduates

Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere

Catalog Number: 2207

Michael B. McElroy

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

An introduction to the scientific basis for current concerns regarding possible changes in the global environment. Issues addressed include climate; depletion of stratospheric ozone; regional air pollution; acid rain; disturbance of biogeochemical cycles for life-essential elements C, N, P, and S.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe and the Core area requirement for Science A.

Earth and Planetary Sciences 7. Introduction to Geological Sciences

Catalog Number: 0918

Subjoy Mukhopadhyay and Adam M. Dziewonski

Half course (fall term). M., W., F., at 10, and three hours of laboratory work each week and two day-long field trips on separate weekends required. EXAM GROUP: 3

A course designed for concentrators but also appropriate for non-concentrators who desire a broad introduction to Earth science. Evolution of the Earth with an emphasis on the processes that have shaped our planet. The theory of plate tectonics is used to explain the occurrence and distribution of earthquakes, volcanoes and mountains. Labs and the weekend field trips familiarize students with rock types, geological features, and illustrate how geologists infer processes from the rock record.

Note: Also appropriate for non-EPS concentrators who desire a comprehensive introduction to Earth science. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Earth and Planetary Sciences 8. History of the Earth

Catalog Number: 0166

Peter John Huybers and Andrew H. Knoll

Half course (spring term). Tu., Th., 1–2:30, and two hours of laboratory work each week as well as one field trip. EXAM GROUP: 15, 16

Examines the major stages and critical events in the history of the Earth, with emphasis on the interactions between global tectonics, the climate system, and biological evolution. Topics range from the formation of the Earth and other planets, to catastrophic events that drove mass extinctions, to the most recent period of human interaction with the environment. Laboratories introduce methods of investigation and analysis of the geological record.

Prerequisite: Secondary-school courses in science (physics, chemistry, biology) and calculus.



***Earth and Planetary Sciences 74. Field Geology**

Catalog Number: 7239

John H. Shaw

Half course (fall term; repeated spring term). Hours to be arranged.

Attend a domestic or overseas geological summer field school of 3-6 weeks duration to learn methods of obtaining and interpreting field observations, and preparing geological maps, stratigraphic sections and field reports. Field schools are selected students individually with the advice and approval of the instructor.

Note: Students must notify the instructor and Academic Administrator of intention to enroll by Study Card Day of the preceding spring term.

Prerequisite: EPS 7, 8, 150 or 171, are recommended; or permission of instructor.

***Earth and Planetary Sciences 91r. Supervised Reading and Research**

Catalog Number: 1462

Steven C. Wofsy, Ann Pearson and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Intended for junior or senior concentrators in Earth and Planetary Sciences; open to sophomore concentrators only under exceptional circumstances. Permission of the faculty member under whom the student wants to work and the Academic Administrator is required for enrollment.

***Earth and Planetary Sciences 99r. Tutorial — Senior Year**

Catalog Number: 7120

Steven C. Wofsy, Ann Pearson and members of the Department

Full course. Hours to be arranged.

Note: Senior honors candidates must take at least one term of this course (fall or spring) if writing a thesis. Signature of the thesis adviser and Academic Administrator required for enrollment.

Cross-listed Courses

Astronomy 16. Introduction to Stellar and Planetary Astronomy

For Undergraduates and Graduates

Earth and Planetary Sciences 100. Computer Tools for Earth Sciences

Catalog Number: 0235

Brendan J. Meade and Miaki Ishii

Half course (spring term). M., W., 2:30–4, and three hours of laboratory work each week. EXAM GROUP: 7, 8

An overview of modern computational tools with applications to the Earth Sciences. Introduction to the MATLAB programming and visualization environment. Topics include: statistical and time series analysis, visualization of two- and three-dimensional data sets, tools for solving linear/differential equations, parameter estimation methods. Labs emphasize applications of the methods and tools to a wide range of data in Earth Sciences.



Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: Mathematics 1a, b; or equivalent.

[Earth and Planetary Sciences 107. Environmental Geochemistry]

Catalog Number: 1242

Sujoy Mukhopadhyay and Ann Pearson

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An overview of low-temperature geochemistry through the treatment of a selection of geochemical issues of environmental significance. Each unit places geochemical topics in the context of a broader geological perspective with particular emphasis on chemical principles. Students from all concentrations are welcome.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: A course in college-level chemistry or permission of the instructors.

Earth and Planetary Sciences 109. Earth Resources and the Environment

Catalog Number: 2218

John H. Shaw

Half course (spring term). Tu., Th., 10–11:30, and three hours of laboratory work each week.

EXAM GROUP: 12, 13

An overview of the Earth's energy and material resources. Following introductions to hydrocarbons, nuclear fuels, and other economically important ores, the course emphasizes methods used to exploit these resources and the environmental impacts of these operations. Topics include: coal and acid rain; petroleum, photochemical smog, and oil spills; nuclear power and radioactive hazards; alternative energies; metals and mining. Labs emphasize methods for discovering and exploiting resources, as well as environmental remediation approaches.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe and the Core area requirement for Science A. Given in alternate years. Expected to be omitted in 2009-10.

Prerequisite: EPS 7, 8; or permission of the instructor.

[Earth and Planetary Sciences 121. Terrestrial Planets]

Catalog Number: 8577

Sarah Stewart-Mukhopadhyay

Half course (spring term). F., at 12, W., 3–5. EXAM GROUP: 5, 8, 9

The physical and chemical processes that influence the initial condition, evolution, and current state of terrestrial planets, focusing on the comparative evolution of Venus, Earth, Mars, and large moons. Topics include: planet formation, evolution of atmospheres, interior composition and equations of state, core formation, differentiation, thermal evolution, and major surface modification processes.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Physics 11a, b; or permission of instructor.

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate]

Catalog Number: 2249

Eli Tziperman

Half course (spring term). M., Th., 2:30–4. EXAM GROUP: 7, 8, 16



Basic observations and theoretical understanding of ocean phenomena from local surface beach waves to the effects of the oceans on global climate. Observations and dynamics of ocean waves, currents, turbulence, temperature and salinity distributions; basic fluid dynamics equations; the ocean's role in climate: wind-driven circulation and the Gulf stream, thermohaline circulation and the potential instability of Europe's climate, El Niño, the oceans and global warming.

Note: Expected to be given in 2009–10. Given in alternate years. When offered, a field trip to Cape Cod and the Woods Hole Oceanographic Institution will be included.

Prerequisite: Applied Mathematics 21a, b; Physics 11 or 15; or permission of instructor.

Earth and Planetary Sciences 132. Introduction to Meteorology and Climate

Catalog Number: 8495

Brian F. Farrell

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Physical concepts necessary to understand atmospheric structure and motion. Phenomena studied include the formation of clouds and precipitation, solar and terrestrial radiation, dynamical balance of the large-scale wind, and the origin of cyclones. Concepts developed for understanding today's atmosphere are applied to understanding the record of past climate change and the prospects for climate change in the future.

Prerequisite: Mathematics 21 or Applied Mathematics 21; Physics 11 or 15; or permission of instructor.

Earth and Planetary Sciences 133. Atmospheric Chemistry

Catalog Number: 7731

Daniel J. Jacob

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Physical and chemical processes determining the composition of the atmosphere and its implications for climate, ecosystems, and human welfare. Origin of the atmosphere. Nitrogen, oxygen, carbon, sulfur, trace metal cycles. Climate and the greenhouse effect. Atmospheric transport and turbulence. Stratospheric ozone. Oxidizing power of the atmosphere. Regional air pollution: aerosols, smog, acid rain.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe and the Core area requirement for Science A.

Prerequisite: Physical Sciences 1, 2, Mathematics 1b; or equivalents.

Earth and Planetary Sciences 137. Biogeochemistry

Catalog Number: 1923

Ann Pearson

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to biological and organic chemistry of the Earth's environment. Primary focus on the cycles of carbon, nitrogen, oxygen, and hydrogen with emphasis on processes occurring at the molecular level. Includes an introduction to light stable isotope geochemistry and the isotopic records of individual biomolecules in marine and terrestrial environments.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: A course in college-level chemistry or equivalent. Chemistry 17 or 27 strongly recommended.

**Earth and Planetary Sciences 141. Isotope and Trace Element Geochemistry and Geochronology**

Catalog Number: 7724

*Stein B. Jacobsen**Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16*

The origin of the element and isotope distribution in the Earth and the Solar System. Closed system radioactive decay, isotope fractionation, mass balance and mixing. Application of Rb-Sr, Sm-Nd, U-Th-Pb, Lu-Hf, Re-Os and K-Ar isotope systems for geochronology and as tracers for geological processes. Noble gas geochemistry. Extinct nuclides. Cosmogenic nuclides. U-Th-series nuclides. Planetary isotopic evolution. Stable isotope geochemistry. Application of H, C, N, O and S isotopes as tracers of geochemical and biogeochemical processes.

Note: Expected to be omitted in 2009–10. Given in alternate years.*Prerequisite:* A course in college-level chemistry or equivalent; EPS 7 or equivalent (recommended).**[Earth and Planetary Sciences 145. Introduction to Igneous Petrology and Petrogenesis]**

Catalog Number: 5940

*Charles H. Langmuir**Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8*

How igneous rocks form and reveal the processes and fluxes involved in the circulation of the solid Earth. The course begins with the essential elements of igneous petrology—rock description and nomenclature, mineralogy, phase diagrams, processes of melting and crystallization, trace elements. We then consider the formation of igneous rocks at modern igneous settings—spreading centers, convergent margins and ocean islands. We conclude with investigations of igneous phenomenon of the past, such as large igneous flood basalt provinces, anorthosites, komatites and the igneous history of the Moon.

Note: Expected to be given in 2009–10. Given in alternate years. Expected to be given in 2009–10.**Earth and Planetary Sciences 150. Earth-like Planets and Planetary Materials**

Catalog Number: 4726

*Stein B. Jacobsen**Half course (spring term). M., W., 1–2:30, lab: F., 1–3. EXAM GROUP: 6, 7*

Rocks and minerals—clues to understanding the origin and evolution of planetary surface environments, crusts and mantles. Principles of mineral structures, phase equilibria, and the origin of igneous, metamorphic, and sedimentary rocks. Primitive meteorites, martian meteorites, lunar samples and terrestrial rocks, including how timescales, origin and evolution of planets can be inferred from studies of rocks and minerals. Classification, identification, chemical and isotopic measurements of rocks and minerals in the laboratory.

Prerequisite: EPS 7 or Science A-24; a course in college-level chemistry or equivalent; or permission of instructor.**Earth and Planetary Sciences 161. Global Tectonics**

Catalog Number: 1854

*Richard J. O’Connell**Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*



Overview of geophysical and geological observations and phenomena related to large-scale tectonic processes. Plate tectonics; marine magnetic and paleomagnetic measurements; heat flow and thermal evolution of oceanic plates; earthquakes and volcanoes at plate boundaries. The rigid and nonrigid behavior of lithospheric plates; rates of crustal deformation; earthquakes within continents; mountain building and the support and evolution of mountain belts.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: One basic earth science course (e.g., EPS 7 or Science A-24) or permission of instructor. Applied Mathematics or Mathematics 21a and b, Physics 11a or 15a recommended.

Earth and Planetary Sciences 166. Introduction to Seismology

Catalog Number: 1540

Miaki Ishii and Adam M. Dziewonski

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An overview of the basic observations and methods of seismology. Earthquake detection, geometry, characteristics and relation to tectonics. Seismic stations and different types of data (body waves, surface waves, and normal modes). One-dimensional and three-dimensional structures of the Earth as inferred from seismology and implications for composition and dynamics. Seismic methods used in oil/gas exploration and environmental geophysics.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: Mathematics 21a, b or Applied Mathematics 21a, b (may be taken concurrently); or equivalent.

[Earth and Planetary Sciences 171. Structural Geology and Tectonics]

Catalog Number: 0319

John H. Shaw

Half course (spring term). Tu., Th., 10–11:30, and three hours of laboratory work each week.

EXAM GROUP: 12, 13

An introduction to the deformation of Earth materials, including the processes of mountain building and plate tectonics, faulting and earthquakes, folding, and ductile deformation. Structures are examined using geologic maps, balanced cross sections, seismic reflection data, satellite imagery, microscopic analysis, analog experiments, and numerical methods. Labs emphasize the applications of structural geology in the energy and environmental industries, and for assessing earthquake hazards.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: EPS 7 or 8; or permission of instructor.

[Earth and Planetary Sciences 181. Paleontology and Historical Geobiology]

Catalog Number: 5162

Andrew H. Knoll

Half course (fall term). M., W., at 11, and three hours of laboratory weekly. EXAM GROUP: 4

Principles of paleontology, including the nature and completeness of the fossil record, systematics, biostratigraphy, and paleoecology; principal focus on the fossil record of evolution in the oceans and its relationship to Earth's dynamic environmental history.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: EPS 8, OEB 10; or permission of instructor.



Cross-listed Courses

[Applied Mathematics 115. Mathematical Modeling](#)
[Engineering Sciences 120. Introduction to the Mechanics of Solids](#)
[Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes](#)
[Engineering Sciences 162. Hydrology and Environmental Geomechanics](#)
[Engineering Sciences 164. Aqueous and Environmental Chemistry - \(New Course\)](#)
[Engineering Sciences 167. Environmental Assessment]
[OEB 107. Evolution of Plant Life in Geologic Time](#)
[OEB 113. Paleobiological Perspectives on Ecology and Evolution](#)
[OEB 118. Biological Oceanography]

Primarily for Graduates

Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics

Catalog Number: 2675

Steven C. Wofsy and Daniel J. Jacob

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Atmospheric physics and chemistry: stratospheric and tropospheric transport, photochemistry, and aerosols; stratospheric ozone loss, tropospheric pollution; biogeochemical cycles.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11 a, b or 15; a course in college-level chemistry or equivalent, or more advanced courses; or permission of the instructors.

Earth and Planetary Sciences 201. Physics of the Earth's Interior

Catalog Number: 4004

Richard J. O'Connell

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

The properties and processes of the solid Earth: Continuum mechanics; structure and state of the Earth's interior; gravity and the geoid; viscous creep and mantle flow; rotational dynamics; heat transport and mantle convection.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: Applied Mathematics 105a, b; Physics 15 or equivalent. Preparation should be discussed with the instructor.

[Earth and Planetary Sciences 202. Mechanics in Earth and Environmental Science] - (New Course)

Catalog Number: 9798

James R. Rice

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Introduction to the mechanics of fluids and solids, organized around earth and environmental phenomena. Conservation laws, stress, deformation and flow. Inviscid fluids and ocean gravity waves; Coriolis dominated large scale flows. Viscosity and groundwater seepage; convective



cells; boundary layers. Turbulent stream flows; flood surges; sediment transport. Elasticity and seismic waves. Poro-mechanics and consolidation. Creep and glacial flow. Cracking and faulting. Landslides and debris flows.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Calculus-based introductory physics at level of Physics 11 a, b or 15 a, b and Mathematics at the level of Applied Mathematics 21 and 105b (may be taken concurrently).

Earth and Planetary Sciences 203. Earthquakes and Faulting

Catalog Number: 4472

Brendan J. Meade and John H. Shaw

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Earthquake phenomenology in the context of plate tectonics. Continuum mechanics and elastic deformation. Earthquake cycle models and constraints from tectonic geodesy. Earthquake geology and paleoseismology. Deformation rates and fault system structure. Quantitative seismic hazard analysis.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: Applied Mathematics 21a, b.

[Earth and Planetary Sciences 204 (formerly Earth and Planetary Sciences 267). Global Seismology]

Catalog Number: 4091

Miaki Ishii and Adam M. Dziewonski

Half course (fall term). Hours to be arranged.

Fundamental concepts used in seismology as a tool in studying the Earth's deep interior. Topics include stress/strain/elasticity theory, the seismic wave equation, ray theory, surface waves and normal modes, source theory, and inverse methods.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Applied Math 105b (may be taken concurrently), or permission of instructors.

Earth and Planetary Sciences 205. Data Analysis and Reduction in Earth Sciences

Catalog Number: 4426

Adam M. Dziewonski

Half course (fall term). Hours to be arranged.

Fundamentals of statistical data analysis and error estimation; model building using linear inversion; model resolution; discrete sampling of time or space series; Fourier series and transforms; digital and matched filter design; wavelet analysis.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: Applied Mathematics 105a; may be taken concurrently.

Earth and Planetary Sciences 206. Space Geodesy for Earth Scientists

Catalog Number: 8218

James L. Davis

Half course (spring term). Hours to be arranged.

Space geodesy for Earth systems. Measurement of geophysical signals from space geodetic observations. Crustal deformation from tectonic, loading, and other origins; gravity and



geopotential; atmospheric studies, including GPS-occultation and tomography; applications to oceans and glaciers.

Note: Expected to be omitted in 2009–10. 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 2009–10. Given in alternate years.

Earth and Planetary Sciences 208. Physics of Climate

Catalog Number: 6561

Zhiming Kuang

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Overview of the basic features of the climate system (global energy balance, atmospheric general circulation, ocean circulation, and climate variability) and the underlying physical processes.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11a, b or 15; or permission of the instructor.

[Earth and Planetary Sciences 209. Paleoclimate]

Catalog Number: 5594

Peter John Huybers

Half course (spring term). Hours to be arranged.

Earth's past climates are explored. Topics including glaciation, surface temperature excursions, and changes in ocean circulation are addressed using theory, models, and statistical analysis of the paleoclimate record.

Note: Expected to be given in 2009–10. Given in alternate years.

***Earth and Planetary Sciences 210. Introduction to Isotope and Trace Element Geochemistry**

Catalog Number: 9146

Sujoy Mukhopadhyay and staff

Half course (fall term). Hours to be arranged.

The course emphasizes the principles of isotope and trace element geochemistry and their application to relevant problems in Earth and Planetary Sciences. Problems to be addressed include planet formation and differentiation, ocean chemistry, and climate reconstruction.

***Earth and Planetary Sciences 231. Climate Dynamics**

Catalog Number: 6492

Eli Tziperman

Half course (spring term). M., Th., 2:30–4. EXAM GROUP: 7, 8, 16

Climate and climate variability phenomena and mechanisms using a hierarchical modeling approach. Basics: El Niño and thermohaline circulation, abrupt, millennial and glacial-



interglacial variability, equable climates.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: Background in geophysical fluid dynamics or permission of instructor.

Earth and Planetary Sciences 232. Dynamic Meteorology

Catalog Number: 5344

Brian F. Farrell

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The atmosphere understood as a fluid dynamical system. Observations of atmospheric motions related to weather and climate. Application of the equations of atmospheric dynamics to explaining phenomena such as jet streams, cyclones and fronts.

Prerequisite: Applied Mathematics 105b; or permission of instructor.

Earth and Planetary Sciences 236. Environmental Modeling

Catalog Number: 7250

Steven C. Wofsy and Daniel J. Jacob

Half course (spring term). Hours to be arranged.

Chemical transport models: principles, numerical methods. Inverse models: Bayes' theorem, optimal estimation, Kalman filter, adjoint methods. Analysis of environmental data: visualization, time series analysis, Monte Carlo methods, statistical assessment. Students prepare projects and presentations.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently); a course in atmospheric chemistry (EPS 133 or 200 or equivalent); or permission of the instructors.

[Earth and Planetary Sciences 237. Advanced Biogeochemistry]

Catalog Number: 9320

Ann Pearson

Half course (spring term). Hours to be arranged.

Covers topics from EPS 137 at in-depth, accelerated pace. Course emphasizes reactions at the molecular and isotopic level using biomarkers to understand natural processes. Considers complex microbial assemblages with attention to current and ancient records of earth systems.

Note: Expected to be given in 2009–10. Given in alternate years. Expected to be given in 2009–10.

Prerequisite: EPS 137 or equivalent; or permission of instructor.

[Earth and Planetary Sciences 238. Spectroscopy and Radiative Transfer of Atmospheres]

Catalog Number: 1891

Kelly V. Chance

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Absorption, emission, and scattering, emphasizing Earth's atmosphere. Atmospheric spectroscopic properties for various measurement geometries. Quantitative spectroscopy and atmospheric structure are reviewed. Radiative transfer modeling and simulation and interpretation of atmospheric spectra from microwave through ultraviolet.



Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Ability to program in a high-level computer language (may be learned in parallel with the permission of the instructor).

[Earth and Planetary Sciences 240. Geochemical Transport and Kinetics]

Catalog Number: 0187

Stein B. Jacobsen

Half course (spring term). Hours to be arranged.

Irreversible thermodynamics, heat flow and diffusion. K-U-Th geochemistry. Mass transfer between geochemical reservoirs; modeling of mantle melting, mantle and crustal evolution, geochemical cycles. Determination of temperature-time-pressure histories of rocks from radiogenic isotopes and phase equilibria.

Note: Expected to be given in 2009–10. Applied Mathematics 105a, b are recommended. Given in alternate years.

Prerequisite: Mathematics 21a, b or Applied Mathematics 21a, b.

Earth and Planetary Sciences 241. Isotope Geochemistry and Processes of Planetary Evolution

Catalog Number: 1680

Stein B. Jacobsen

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

The composition and the evolution of the Solar Nebula. Application of radiogenic and stable isotopes to study the processes of formation and evolution of planetary crusts, mantles, and cores.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Earth and Planetary Sciences 242. Low Temperature Geochemistry (formerly Biogeochemistry of Light Stable Isotopes)

Catalog Number: 8808 Enrollment: Limited to 10.

Daniel P. Schrag

Half course (spring term). Hours to be arranged.

Introduction to the theory and methodology of stable isotope biogeochemistry. Topics include isotope ratio mass spectrometry, biological fractionation of carbon and nitrogen isotopes, distribution of isotopes in terrestrial and marine ecosystems, and applications to climate reconstruction.

Note: Expected to be omitted in 2009–10. Given in alternate years.

[Earth and Planetary Sciences 243. Geochemical and Cosmochemical Thermodynamics]

Catalog Number: 2002

Stein B. Jacobsen

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

The laws of thermodynamics. Equilibrium and spontaneous transformations in systems of variable chemical composition. Components, phase rule and petrogenetic grids. Calculation of phase diagrams. Applications to cosmochemistry, igneous and metamorphic petrology, and environmental geochemistry.

Note: Expected to be given in 2009–10. Given in alternate years.



Prerequisite: A course in college-level chemistry or equivalent; Mathematics 21a or Applied Mathematics 21a (may be taken concurrently).

***Earth and Planetary Sciences 245. Petrological Approaches to Understanding the Earth's System - (New Course)**

Catalog Number: 7202

Charles H. Langmuir

Half course (spring term). Hours to be arranged.

The course studies the igneous processes at spreading centers, convergent margins and hot spots, and explore their influences on mantle, crust, ocean and atmosphere and the constraints they provide for the plate tectonic geochemical cycle.

Note: Given in alternate years.

Prerequisite: EPS 145 or permission of instructor.

Earth and Planetary Sciences 250. Topics in Planetary Sciences

Catalog Number: 1225

Sarah Stewart-Mukhopadhyay

Half course (fall term). Hours to be arranged.

Research seminar on current problems in planetary sciences. Topics: impact processes, planetary surface processes, planet formation, and subjects related to current spacecraft missions.

Note: Expected to be omitted in 2009–10. Given in alternate years or upon announcement.

[Earth and Planetary Sciences 255r. Topics in Tropical Dynamics]

Catalog Number: 8807

Zhiming Kuang

Half course (fall term). Hours to be arranged.

Research seminar on current problems in tropical dynamics. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Expected to be given in 2009–10. Given in alternate years.

[Earth and Planetary Sciences 260. Topics in Geophysics]

Catalog Number: 2908

Richard J. O'Connell, Miaki Ishii, and Brendan J. Meade

Half course (spring term). Hours to be arranged.

Research seminar on current important problems on the state and processes of the solid Earth. Topics may include mantle structure and geochemistry, the core-mantle boundary, the continental lithosphere.

Note: Expected to be given in 2009–10. This course is coordinated with a research course at MIT.

[Earth and Planetary Sciences 264r. Topics in Planetary Magnetism]

Catalog Number: 1429

Jeremy Bloxham

Half course (fall term). Hours to be arranged.

Theoretical and observational aspects of planetary magnetism. Topics: observations of Earth's and other planets magnetic fields; core structure, dynamics and energetics; rotation and



convection; magnetohydrodynamics and magnetic field generation; kinematic and dynamic dynamo theory.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Applied Mathematics 105a, b, Physics 153 or equivalent; or permission of instructor.

Earth and Planetary Sciences 265r. Topics in Geodynamics

Catalog Number: 0816

Richard J. O'Connell

Half course (spring term). Hours to be arranged.

Topics in the dynamics of processes and properties in the Earth's interior, including: thermal convection and flow in the mantle, rheology of the mantle, plate motions, plate deformation, physical properties of rocks and minerals.

Note: Expected to be omitted in 2009–10. Given in alternate years. Expected to be omitted in 2009-10.

[*Earth and Planetary Sciences 269r. Crustal Dynamics]

Catalog Number: 8157

Brendan J. Meade

Half course (spring term). Hours to be arranged.

Research seminar on current problems in crustal dynamics. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Expected to be given in 2009–10. Given in alternate years.

[Earth and Planetary Sciences 270r. Structural Interpretation of Seismic Data]

Catalog Number: 8230

John H. Shaw

Half course (fall term). Hours to be arranged.

Methods of interpreting complex geologic structures imaged in 2- and 3-dimensional seismic reflection data. Methods of integrated geologic and remote sensing data will be described.

Students will complete independent projects analyzing seismic data on workstations.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: EPS 171 or equivalent.

Earth and Planetary Sciences 272r. Topics in Structural Geology

Catalog Number: 1546

John H. Shaw

Half course (fall term). Hours to be arranged.

Seminar course investigating recent advances in structural geology and exploration geophysics with applications in earthquake science and the petroleum industry. Specific topics vary from year to year.

Note: Expected to be omitted in 2009–10. Given in alternate years.

Prerequisite: EPS 171 or equivalent. Intended for graduate and advanced undergraduate students involved in structural geology research.



Earth and Planetary Sciences 281r. Great Papers in Earth Sciences

Catalog Number: 2474

Peter John Huybers and Eli Tziperman

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

A survey and discussion of groundbreaking papers from across the Earth sciences.

Earth and Planetary Sciences 290. Scientific Communication - (New Course)

Catalog Number: 6610

Sarah Stewart-Mukhopadhyay

Half course (fall term). Hours to be arranged.

Teaches students how to effectively, communicate scientific concepts focusing on short oral presentations based on current journal articles drawn from Earth and Planetary Sciences.

Technical presentation skills (delivery, managing nervousness, etc.) developed through weekly practice and detailed feedback.

Note: Recommended for EPS graduate students in their 1st or 2nd year. Topics include: differences between written and oral communication; structure and organization of short vs. long and general vs. technical talks; and effective use of visualizations including poster presentations.

Cross-listed courses

[Astronomy 225. Formation of Stars and Planets]

Engineering Sciences 220. Fluid Dynamics

Engineering Sciences 240. Solid Mechanics

Engineering Sciences 241. Advanced Elasticity

Engineering Sciences 262. Advanced Hydrology and Environmental Geomechanics

Engineering Sciences 264. Advanced Aqueous and Environmental Chemistry - (New Course)

Engineering Sciences 267. Aerosol Science and Technology - (New Course)

Graduate Courses of Reading and Research

***Earth and Planetary Sciences 320. Topics in Planetary Sciences**

Catalog Number: 6050

Sarah Stewart-Mukhopadhyay 4637

***Earth and Planetary Sciences 330. Climate Atmospheric Chemistry and Free Radical Kinetics**

Catalog Number: 3810

James G. Anderson 6057

***Earth and Planetary Sciences 331. Atmospheric Chemistry**

Catalog Number: 4038

Daniel J. Jacob 1781



***Earth and Planetary Sciences 332. Dynamic Meteorology**

Catalog Number: 2802

Brian F. Farrell 7628

***Earth and Planetary Sciences 333. Environmental Chemistry - (New Course)**

Catalog Number: 4927

Scot T. Martin 3365

***Earth and Planetary Sciences 334. Atmospheric Physics and Chemistry**

Catalog Number: 4886

Michael B. McElroy 2462

***Earth and Planetary Sciences 335. Climate Dynamics and Physical Oceanography**

Catalog Number: 3095

Eli Tziperman 4748

***Earth and Planetary Sciences 336. Geophysical Fluid Dynamics**

Catalog Number: 8851

Eli Tziperman 4748

***Earth and Planetary Sciences 337. Biological Oceanography**

Catalog Number: 5704

James J. McCarthy 4343

***Earth and Planetary Sciences 338. Atmospheric Chemistry**

Catalog Number: 7596

Steven C. Wofsy 4396

***Earth and Planetary Sciences 339. Biogeochemistry**

Catalog Number: 9843

Ann Pearson 4224

***Earth and Planetary Sciences 340. Topics in Isotope Geochemistry: Research Seminar**

Catalog Number: 2881

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 341. Isotope Geochemistry**

Catalog Number: 7103

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 342. Topics in Atmospheric and Climate Dynamics**

Catalog Number: 1732

Zhiming Kuang 5285



***Earth and Planetary Sciences 343. Topics in Quantitative Analysis of the Climate Record**

Catalog Number: 2979

Peter John Huybers 5746

***Earth and Planetary Sciences 344. Topics in Stable Isotope Geochemistry and Geochemical Oceanography**

Catalog Number: 6291

Daniel P. Schrag 3054

***Earth and Planetary Sciences 345. Solid Earth Geochemistry**

Catalog Number: 7979

Charles H. Langmuir 4293

***Earth and Planetary Sciences 346. Topics in Noble Gas Geochemistry**

Catalog Number: 2928

Sujoy Mukhopadhyay 4621

***Earth and Planetary Sciences 347. Topics in Environmental Policy**

Catalog Number: 4360

John P. Holdren (Kennedy School, FAS) 2673

***Earth and Planetary Sciences 362. Dynamo Theory: Research Seminar**

Catalog Number: 1840

Jeremy Bloxham 2047

***Earth and Planetary Sciences 363. Seismology and Tectonophysics: Geomechanics, Earthquake Source Physics**

Catalog Number: 8664

James R. Rice 7270

***Earth and Planetary Sciences 364. Geophysics**

Catalog Number: 1438

Jeremy Bloxham 2047

***Earth and Planetary Sciences 365. Geophysics**

Catalog Number: 5632

Richard J. O'Connell 3642

***Earth and Planetary Sciences 367. Seismology**

Catalog Number: 4447

Adam M. Dziewonski 3641 (on leave spring term)

***Earth and Planetary Sciences 368. Seismology**

Catalog Number: 4932

Miaki Ishii 5493



***Earth and Planetary Sciences 369. Topics in Active Tectonics**

Catalog Number: 5904

Brendan J. Meade 5340

***Earth and Planetary Sciences 370. Structural Analysis**

Catalog Number: 9046

John H. Shaw 3699

***Earth and Planetary Sciences 380. Precambrian Geology**

Catalog Number: 1161

Paul F. Hoffman 1507 (on leave fall term)

***Earth and Planetary Sciences 385. Analytical Paleontology**

Catalog Number: 8129

Charles R. Marshall 2823

***Earth and Planetary Sciences 387. Paleobotany**

Catalog Number: 6983

Andrew H. Knoll 7425 (on leave fall term)

East Asian Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of East Asian Languages and Civilizations

Wilt L. Idema, Professor of Chinese Literature (*Chair*)

Ryuichi Abe, Reischauer Institute Professor of Japanese Religions

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations

Eileen Cheng-yin Chow, Associate Professor of Chinese Literary and Cultural Studies

Edwin A. Cranston, Professor of Japanese Literature

Nara Dillon, Lecturer on Social Studies

Carter J. Eckert, Yoon Se Young Professor of Korean History (*on leave spring term*)

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*Director of Graduate Studies*) (*on leave spring term*)

Shengli Feng, Professor of the Practice of Chinese Language (*Director of the Chinese Language Program*)

Binnan Gao, Preceptor in Chinese

Andrew Gordon, Lee and Juliet Folger Fund Professor of History

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society



Michael Hockx, Visiting Professor of Chinese (*University of London*)
 Hui-Yen Huang, Preceptor in Chinese, Contin Ed/Spec Prog Instructor
 Wesley M. Jacobsen, Professor of the Practice of Japanese Language (*Director of the Japanese Language Program*)
 Yuko Kageyama-Hunt, Preceptor in Japanese
 Adam L. Kern, Associate Professor of Japanese Literature
 Mi-Hyun Kim, Preceptor in Korean
 Sun Joo Kim, Associate Professor of Korean History
 Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
 Kening Li, Preceptor in Chinese
 Wai-ye Li, Professor of Chinese Literature (*Head Tutor*)
 Jonathan N. Lipman, Visiting Professor of East Asian Languages and Civilizations (*Mount Holyoke College*)
 Satomi Matsumura, Senior Preceptor in Japanese
 David McCann, Korea Foundation Professor of Korean Literature
 Melissa M. McCormick, John L. Loeb Associate Professor of the Humanities
 Binh Ngo, Senior Preceptor in Vietnamese (*Director of the Vietnamese Language Program*)
 Abe Markus Nornes, Edwin O. Reischauer Visiting Professor of Japanese Studies (*University of Michigan*)
 Sang-suk Oh, Senior Preceptor in Korean (*Director of the Korean Language Program*)
 Harumi Ono, Preceptor in Japanese, Contin Ed/Spec Prog Instructor
 Stephen Owen, James Bryant Conant University Professor
 Michael J. Puett, Professor of Chinese History (*on leave 2008-09*)
 Ethan Isaac Segal, Visiting Assistant Professor of Pre-Modern Japanese History (*Michigan State University*)
 Lu lei Su, Preceptor in East Asian Languages and Civilizations
 Michael A. Szonyi, John L. Loeb Associate Professor of the Humanities (*on leave spring term*)
 Xiaofei Tian, Professor of Chinese Literature
 Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies (*on leave fall term*)
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature (*on leave spring term*)
 Miaomiao Wang, Preceptor in Chinese
 Qiuyu Wang, Preceptor in East Asian Languages and Civilizations
 Xuedong Wang, Preceptor in Chinese
 Melissa Wender, Visiting Lecturer on Japanese Studies
 Emi Yamanaka, Preceptor in Japanese
 Chen Zhang, Preceptor in East Asian Languages and Civilizations
 Congmin Zhao, Preceptor in East Asian Languages and Civilizations

Other Faculty Offering Instruction in East Asian Languages and Civilizations

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)



Committee for the Social Science Program in East Asian Studies of the Department of East Asian Languages and Civilizations

Theodore C. Bestor, Professor of Anthropology
Carter J. Eckert, Yoon Se Young Professor of Korean History (*on leave spring term*)
Andrew Gordon, Lee and Juliet Folger Fund Professor of History
Alastair Iain Johnston, Governor James Albert Noe Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs
William C. Kirby, T. M. Chang Professor of China Studies (*FAS*) and Spangler Family Professor of Business Administration (*Business School*), Harvard University Distinguished Service Professor
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
Elizabeth J. Perry, Henry Rosovsky Professor of Government
Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave fall term*)

Courses listed under the Department of East Asian Languages and Civilizations begin with department tutorials and then are grouped by area: China, Japan, Korea, Manchu, Mongolia, Tibet, and Vietnam. Each area is divided into language, history, and literature courses, then “Graduate Courses of Reading and Research,” and concludes with cross-listings from other departments. Please note that courses under each heading are categorized as either “For Undergraduates and Graduates” or “Primarily for Graduates.”

The concentration draws upon faculty working on East Asian topics from the Department of East Asian Languages and Civilizations and from other departments. It offers both a humanities track, in which the history, literature, philosophy, and religion of premodern and modern times are studied, and a social science track, stressing approaches to modern East Asia drawn from the social science disciplines.

Courses in the Language Programs are designed to be taken in sequence and cannot be taken out of order. There are no auditors permitted in the Language Programs and language courses must be taken for a grade. Independent study in languages will only be offered after completion of all courses in the sequence, and with permission of the Director of that language. Placement and admission to a course is at the discretion of the course head.

East Asian Studies

Primarily for Undergraduates

[*East Asian Studies 91r. Supervised Reading and Research](#)

Catalog Number: 0961

Wai-ye Li and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to students who have given evidence of ability to do independent reading and



research. May be taken on an individual basis or by small groups of students interested in working on the same topic. Permission of the East Asian Studies Head Tutor required.

East Asian Studies 97ab. Introduction to East Asian Civilizations - (New Course)

Catalog Number: 2337

Wilt L. Idema, members of the Department, and other faculty.

Half course (spring term). Tu., Th., at 12.

This course looks at some of the elements (philosophy and religion, art and literature, statecraft and technology) that are shared by the various regional cultures of East Asia (China, Japan, Korea, Vietnam), and the ways in which these vary in each of these cultures. We also look at the way in which the countries of East Asia have impacted each other in the process of modernization, and at their divergent paths towards globalization.

Note: Required of sophomore concentrators. Open to freshmen.

East Asian Studies 98a. Tutorial--Junior Year: State-Society Relations in Modern China

Catalog Number: 0964

Elizabeth J. Perry

Half course (spring term). Tu., at 2. EXAM GROUP: 16

Junior Tutorial for students in the China Social Science track.

Note: EAS 98a, 98b, 98d or a substitution approved by the Head Tutor is required for all EAS concentrators. Preference to EAS concentrators but open to Government concentrators.

East Asian Studies 98b. Junior Tutorial--State and Society in Contemporary Japan

Catalog Number: 8288

Susan J. Pharr

Half course (fall term). Tu., at 3.

Junior Tutorial for students in the Japan Social Science track.

Note: EAS 98a, 98b, 98d or a substitution approved by the Head Tutor is required for all EAS concentrators. Preference to EAS students but open to Government concentrators.

East Asian Studies 98d. Junior Tutorial--The Political Economy of Modern China - (New Course)

Catalog Number: 4800

Nara Dillon

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Junior Tutorial for students in the China Social Science track. After an introduction to the historical context of China's development, this course will focus on the political economy of reform in the post-Mao period. Some of the topics covered include the one-child policy, foreign trade and investment, the role of labor, rural-urban migration, and the rise of inequality.

Note: EAS 98a, 98b, 98d or a substitution approved by the Head Tutor is required for all EAS concentrators. Preference to EAS students but open to Government concentrators.

***East Asian Studies 99. Tutorial — Senior Year**

Catalog Number: 0384

Wai-ye Li and members of the Department



Full course. Hours to be arranged.
Thesis guidance under faculty direction.

Cross-listed Courses

Culture and Belief 11. Medicine and the Body in East Asia and in Europe - (New Course)
Studies of Women, Gender, and Sexuality 1162. Imagining Asian America - (New Course)

For Undergraduates and Graduates

East Asian Studies 140. Major Religious Texts of East Asia

Catalog Number: 0856

Ryuichi Abe

Half course (spring term). W., 2–4:30.

This course aims at enabling students to read and analyze in depth major religious texts of East Asia, representing diverse traditions and genres. The course encourages students to take up their reading of texts not only as ways to acquire knowledge on Asian religious traditions, but as practice, labor, and play in which their ordinary way of understanding/experiencing the world and themselves will be challenged, reaffirmed, and renewed.

East Asian Studies 160. Writing Asian Poetry

Catalog Number: 0327

David McCann

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Readings in selected Chinese, Japanese, and Korean verse forms, and composition or imitation in English. Study of Li Po and Tu Fu (Chinese couplet), Basho (haiku and haibun mixed prose and poetry), Yun Sôn-do and other Korean poets (shijo), and composition/imitation. Final project, an extended suite of poems or mixed prose and poetry.

Note: No Asian language knowledge is required; all writing will be in English.

East Asian Studies 175. The History of Modern Science and Technology in East Asia - (New Course)

Catalog Number: 5317

Shigehisa Kuriyama

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Historical examination of the adoption and transformations of modern science and technology in East Asia; the interaction of local traditions with global knowledge and techniques.

[East Asian Studies 180. Korea Wave]

Catalog Number: 9177

David McCann

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Cinema, music, television, dance, food, clothing, currency, and language: the present-day "waves" that seem one after another to sweep across East Asia's borders and boundaries also have historical counterparts. The course will examine the seismic events and media, practices, and circulation systems that constitute the contemporary Korean culture scene, and then how



these are linked to or disassociated from the past.

Note: Expected to be given in 2009–10.

Primarily for Graduates

[East Asian Studies 200. The Uses and Meaning of the New Arts of Presentation]

Catalog Number: 6509

Shigehisa Kuriyama

Half course (fall term). M., 7–9:30 p.m.

Exploration of the new horizons of communication created by current media technology. The seminar's prime focus will be practical: students will experiment, by crafting their own illustrated texts, podcasts, multimedia presentations, and documentary-style movies, with fresh and creative ways to convey ideas and research.

Note: Expected to be given in 2009–10.

[East Asian Studies 205. Approches to the Comparative History of Medicine and the Body]

Catalog Number: 2222

Shigehisa Kuriyama

Half course (spring term). Tu., 1–4.

Research seminar devoted to the theory and methods, possibilities and challenges of cross-cultural studies in the history of medicine and the body.

Note: Expected to be given in 2009–10.

Prerequisite: East Asian Studies 170, or other course in medical history or medical anthropology.

East Asian Studies 210. Asia in the Making of the Modern World (Graduate Seminar in General Education) - (New Course)

Catalog Number: 2085

Shigehisa Kuriyama, Ian J. Miller, and Parimal G. Patil

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8, 9

This seminar will spotlight familiar aspects of life in contemporary America, and show how a deeper understanding of them requires study of peoples and events in distant places and times. Using a variety of sources and methods, the course will explore how Asia and its past are in fact woven into the intimate fabric of life here and now. The seminar will design and develop a General Education course on these themes for undergraduates.

[East Asian Studies 211. Historical Theory and Methods]

Catalog Number: 3088

Michael J. Puett and Shigehisa Kuriyama

Half course (fall term). M., 1–3.

Theories and methods for research in East Asian history. Covers approaches to social, cultural, intellectual, and political history, analyzing significant works in each field and applications to Chinese, Japanese, and Korean materials.

Note: Expected to be given in 2009–10.



East Asian Studies 220r. Medieval Japanese Picture Scrolls

Catalog Number: 1685

Melissa M. McCormick

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Examines the rich tradition of medieval Japanese picture scrolls (*emaki*). Provides training in the reading of scroll texts (*kotobagaki*), the analysis of paintings, and the examination of the production contexts of important scrolls from the 12th to the 16th century. Aims to make picture scrolls available as a primary source for graduate research in many different disciplines within Japanese studies.

East Asian Studies 230r (formerly East Asian Studies 230). The History of East Asian Medicine: Seminar

Catalog Number: 0544

Shigehisa Kuriyama

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

In 2008-09, focus on original texts related to the history of forensic medicine.

Prerequisite: At least one year of classical Chinese.

East Asian Buddhist Studies

Primarily for Graduates

East Asian Buddhist Studies 240r (formerly East Asian Buddhist Studies 240). Japanese Buddhist Doctrine and Monastic Culture

Catalog Number: 3768

Ryuichi Abe

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A graduate seminar aimed at improving students' ability to read and analyze scriptural sources in the context of textual, artistic, and other cultural productions centered around large monasteries in premodern Japan.

Prerequisite: Classical Japanese and *Kambun* are required.

East Asian Buddhist Studies 245r (formerly East Asian Buddhist Studies 245). Ritual and Text in Japanese Buddhist Literature

Catalog Number: 7113

Ryuichi Abe

Half course (spring term). Hours to be arranged.

Examines the way in which rituals are approached, described, and interpreted in primary Japanese Buddhist texts. Students will acquire skills allowing them to move freely in their reading of texts from diverse literary genres.

Prerequisite: Classical Japanese and *Kambun*.

Graduate Courses of Reading and Research



***East Asian Buddhist Studies 300. Reading and Research**

Catalog Number: 9811

Ryuichi Abe 4974 and Janet Gyatso (Divinity School) 4243

Cross-listed courses

Foreign Cultures 94. Buddhism and Japanese Culture

Religion 2710r. Buddhist Studies: Seminar

***South Asian Buddhist Studies 303. Reading and Research**

China: Language Courses

For Undergraduates and Graduates

Chinese Aab. Intensive Elementary Modern Chinese

Catalog Number: 0625 Enrollment: Limited to 20.

Binnan Gao

Full course (fall term). M., through F., 1-3. EXAM GROUP: 7, 16

Intensive introduction to modern standard (Mandarin) Chinese pronunciation, grammar, conversation, reading, and writing.

Note: No auditors. May not be taken Pass/Fail.

Chinese Ba. Elementary Modern Chinese

Catalog Number: 4375

Qiuyu Wang and Shengli Feng

Half course (fall term). Sections Tu., Th., 9, 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 11

Nonintensive introduction to modern Chinese pronunciation, grammar, conversation, reading, and writing.

Note: No auditors. May not be taken Pass/Fail.

Chinese Bb. Elementary Modern Chinese

Catalog Number: 8714

Qiuyu Wang

Half course (spring term). Sections Tu., Th., 10, 11, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese Ba.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Ba or equivalent.

***Chinese Bx. Elementary Chinese for Advanced Beginners**

Catalog Number: 7066

Hui-Yen Huang

Half course (fall term). M., W., F., at 10 or 2, and two additional hours to be arranged. EXAM GROUP: 3

For students with significant listening and speaking background. Introductory Modern Chinese



language course, with emphasis on reading and writing. Covers in one term the equivalent of Chinese Ba and Bb.

Note: No auditors. May not be taken Pass/Fail. Students must pass a test in listening and speaking to take the course.

[Chinese Ca (formerly Chinese 108a). Cantonese]

Catalog Number: 0223

Shengli Feng

Half course (fall term). Hours to be arranged.

Non-intensive introduction to Cantonese dialect. Emphasizes basic pronunciation and colloquial usage.

Note: Expected to be given in 2010–11. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin.

[Chinese Cb (formerly Chinese 108b). Cantonese]

Catalog Number: 0831

Shengli Feng

Half course (spring term). Hours to be arranged.

Continuation of Chinese Ca.

Note: Expected to be given in 2010–11. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin and Chinese Ca or equivalent.

[Chinese 100. Mandarin Pronunciation and Grammar for Speakers of Cantonese Dialects]

Catalog Number: 7291

Shengli Feng

Half course (fall term). Hours to be arranged.

An introduction to modern Chinese pronunciation. Offering a systematic contrast and comparison between the sound and syntactic systems of the two dialects, for students who are native speakers of Cantonese and have a strong background in reading. Those who wish to continue will be prepared for Chinese 142b, Advanced Conversational Chinese.

Note: Expected to be given in 2010–11.

Chinese 120a. Intermediate Modern Chinese

Catalog Number: 4283

Xuedong Wang

Half course (fall term). Sections Tu., Th., at 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Modern texts, conversation, reading, and composition.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Bb or equivalent.

Chinese 120b. Intermediate Modern Chinese

Catalog Number: 1702

Xuedong Wang



Half course (spring term). Sections Tu., Th., at 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese 120a.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 120a, or equivalent.

Chinese 123b. Intermediate Modern Chinese for Advanced Beginners

Catalog Number: 7034

Hui-Yen Huang

Half course (spring term). Sections M., W., F. at 10 or 2, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Chinese Bx. Covers in one term the equivalent of Chinese 120a and 120b.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Bx, or instructor's permission.

Chinese 125ab. Intensive Intermediate Modern Standard Chinese

Catalog Number: 0977 Enrollment: Limited to 20.

Binnan Gao

Full course (spring term). M., through F., 1-3. EXAM GROUP: 6, 15

Continuation of Chinese Aab.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Aab, or Chinese Bb, or equivalent.

Chinese 130a. Advanced Modern Chinese

Catalog Number: 6724

Kening Li

Half course (fall term). Sections Tu., Th., at 10, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 12

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. No auditors. May not be taken pass/fail.

Prerequisite: Two years of modern Chinese.

Chinese 130b. Advanced Modern Chinese

Catalog Number: 2917

Kening Li

Half course (spring term). Sections T., Th., at 10, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese 130a.

Note: Conducted in Chinese. No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 130a.

Chinese 130xa. Advanced Modern Chinese for Heritage Students

Catalog Number: 9097

Congmin Zhao



Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 2. EXAM GROUP: 2

Designed for heritage learners and covers the equivalent of Chinese 130a and other materials for reading and writing.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 123b, Chinese 125ab, or with permission of instructor.

Chinese 130xb. Advanced Modern Chinese for Heritage Students

Catalog Number: 2437

Congmin Zhao

Half course (spring term). Sections I: M., W., F., at 10, and 2 additional hours to be arranged;

Section II: M., W., F., at 2, and 2 additional hours to be arranged. EXAM GROUP: 3

Designed for heritage learners and covers the equivalent of Chinese 130b and other materials for reading and writing.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 130xa.

Chinese 140a. Advanced Readings in Modern Chinese

Catalog Number: 1945

Miaomiao Wang

Half course (fall term). Sections M., W., F., at 10, or 2, and two additional hours to be arranged.

EXAM GROUP: 3

Rapid reading of selections from books and articles.

Note: Conducted in Chinese. No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 130b.

Chinese 140b. Advanced Readings in Modern Chinese

Catalog Number: 6844

Miaomiao Wang

Half course (spring term). Sections: M., W., F., at 10, or 2, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Chinese 140a.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 140a.

[Chinese 142a. Advanced Conversational Chinese]

Catalog Number: 3900

Shengli Feng

Half course (fall term). Tu., Th., 10–11:30, and one additional hour to be arranged. EXAM GROUP: 12, 13

Spoken Chinese for advanced students.

Note: Expected to be given in 2009–10. No auditors. May not be taken Pass/Fail. No native speakers allowed. May not be used for citation.

Prerequisite: Chinese 140a or equivalent.



Chinese 142b. Advanced Conversational Chinese

Catalog Number: 1418 Enrollment: Limited to 12. per lecture section.

Shengli Feng

Half course (spring term). Tu., Th., 10–11:30. One additional hour of speaking practice to be arranged. EXAM GROUP: 12, 13

Spoken Chinese for advanced students.

Note: No auditors. May not be taken Pass/Fail. No native speakers allowed. May not be used for citation.

Prerequisite: Chinese 130b or equivalent.

Chinese 150a. Formal Chinese Writing and Speaking

Catalog Number: 5621 Enrollment: Limited to 20.

Lu lei Su

Half course (fall term). Sections M., W., F., at 9, or 12, and two additional hours to be arranged.

EXAM GROUP: 2

The purpose of this course is to enable students to acquire a comprehensive written grammar with sufficient formal vocabulary in modern Chinese. Formal patterns generated by combining single characters are used for the foundation of written grammar. This course also offers students authentic academic readings in order to improve their abilities in academic writing and formal speech. Students are required to write and present their essays in formal Chinese.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 140b or equivalent.

Chinese 150b. Formal Chinese Writing and Speaking

Catalog Number: 8111 Enrollment: Limited to 20.

Lu lei Su

Half course (spring term). Section I: M., W., at 9; Section II: M., W., at 12. EXAM GROUP: 2

Continuation of Chinese 150a.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 150a.

Chinese 187. Art and Violence in the Cultural Revolution

Catalog Number: 1253

Xiaofei Tian

Half course (fall term). T., 1-3, and a weekly discussion section to be arranged. EXAM GROUP: 15, 16

Examines the cultural implications of the Cultural Revolution (1966-1976). We will examine how art was violent towards people and how violence was turned into an art. We will also consider the link between violence, trauma, memory and writing. Materials include memoir, fiction, essay, "revolutionary Peking Opera," and film.

Note: Most readings in Chinese. Discussions in Chinese. Count toward Language Citation in Modern Chinese. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C or Foreign Cultures, but not both.

Prerequisite: Four years of Mandarin or equivalent (with instructor's permission).



[Chinese 188. Traditional Chinese Philology]

Catalog Number: 2801

Shengli Feng

Half course (spring term). Tu., 1–3.

Traditional Chinese philology consists of a set of principles and techniques in four major areas: paleography, historical phonology, exegesis, and historical syntax. Students will acquire proficiency in theories, principles, and techniques that enable them to decode the ancient language rationally and that facilitate their understanding and translation accurately.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.

Prerequisite: Chinese 107b or equivalent.

[Chinese 190r. Traditional Philology: Study on *Shuowen Jiezi*]

Catalog Number: 6550

Shengli Feng

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

This course will focus on the sound-graph-and-meaning system of *Shuowen Jiezi* (the First Comprehensive Chinese Dictionary). The purpose of this course is to help students build a basic exegetic foundation through the study of graphic meaning, word meaning and cognate meaning. The 540 radicals with their cognate words and phonological categories will be examined. Students are expected to learn basic skills of how to solve ancient textual problems by using paleographic, exegetic and phonologic techniques.

Note: Expected to be given in 2009–10.

Prerequisite: Chinese 107b or equivalent.

Chinese 197. History of Chinese Language and Culture - (New Course)

Catalog Number: 0798

Shengli Feng

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course is an introduction to the history of Chinese language and its relevant cultures. This course will provide evidence regarding the comparative method, internal reconstruction of prehistoric stages of the Chinese language, as well as major developments in Chinese phonology and grammar from the Shang-Zhou Dynasty through the present day. It will also present an overview of some language-related cultural developments, such as the writing system and instruments, as well as language determined literary stylistic changes.

Note: This course is taught in Chinese (counts toward a Chinese language citation).

Prerequisite: Level of Chinese equivalent to Chinese 150 or above.

Literary Chinese Courses

Chinese 106a. Introduction to Literary Chinese

Catalog Number: 1185

Chen Zhang

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic grammar and the reading of simple historical narrative.

Note: An additional lecture slot may be added if enough students enroll, with times to be arranged.



Prerequisite: At least one year of modern Chinese, or familiarity with Chinese characters through knowledge of Japanese or Korean.

Chinese 106b. Introduction to Literary Chinese

Catalog Number: 3600

Chen Zhang

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

Introduction to pre-Qin philosophical texts.

Note: An additional lecture slot may be added if enough students enroll, with times to be arranged.

Prerequisite: Chinese 106a or permission of instructor.

Chinese 107a. Intermediate Literary Chinese

Catalog Number: 3343

Chen Zhang

Half course (fall term). Tu., Th., 10–11:30, and an additional hour to be arranged. EXAM GROUP: 12, 13

A second-year course designed to prepare students for reading and research using materials written in Literary Chinese. The focus in the fall semester will be prose from the Tang and Song dynasties.

Prerequisite: One year of literary Chinese (Chinese 106 or equivalent).

Chinese 107b. Intermediate Literary Chinese

Catalog Number: 6931

Chen Zhang

Half course (spring term). Tu., Th., 10–11:30, and an additional hour to be arranged. EXAM GROUP: 12, 13

A continuation of Chinese 107a, introducing more prose styles as well as poetry and lyric.

Prerequisite: Chinese 107a or equivalent.

Primarily for Graduates

[Chinese Linguistics 200. Introduction to Teaching of Modern Chinese Language]

Catalog Number: 5108

Shengli Feng

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to teaching Modern Standard Chinese as a second language at college level.

Reviews concepts and publications relating to trends in second language teaching, pedagogical issues and materials concerned with teaching MSC, observation of teaching.

Note: Expected to be given in 2009–10.

China: History Courses

For Undergraduates and Graduates



[Chinese History 113. Society and Culture of Late Imperial China]

Catalog Number: 8264

Michael A. Szonyi

Half course (fall term). M., W. at 11, and a weekly discussion section W. at 10.

This course is a survey of the social and cultural history of China from the Song to the mid-Qing (roughly from 1000 to 1800). The main topics discussed include urbanization and commerce; gender; family and kinship; education and the examination system, and religion and ritual. The main goal of the course will be to explore the relationship between social and cultural changes and political and intellectual developments.

Note: Expected to be given in 2009–10.

Chinese History 118. History of Relations between China and Inner Asia

Catalog Number: 6134

Mark C. Elliott

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

The interaction between sedentary and nomadic civilizations is one of the great themes of human history. This course focuses on the classic case of relations between China and Inner Asia from ancient times to the 20th century. Approaching the problem from historical and theoretical perspectives, the course addresses the political, economic, social, and cultural dimensions of the storied Great Wall frontier.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Chinese History 150. Islams and Muslims in China - (New Course)

Catalog Number: 2708

Jonathan N. Lipman (Mount Holyoke College)

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

Introduction to the history and varieties of Muslim life in China over 1,200 years. The course will focus on the 15th–20th centuries, when Muslims lived almost everywhere in China, participating in its society, politics, and economy. We will also attend to connections between Muslims in China and the larger Muslim world, including Sufi orders and modernist movements. Students will undertake a secondary literature exercise, then define and complete a research paper.

Note: All required materials will be in English.

Cross-listed Courses

[Anthropology 1210. The Archaeology of Ancient China]

[Anthropology 1880. Chinese Culture and Society]

Foreign Cultures 48. The Cultural Revolution

[Foreign Cultures 79. Historical and Musical Paths on the Silk Road]

[Foreign Cultures 81. The Culture of Everyday Life in China]

Historical Study A-13. China: Traditions and Transformations

Historical Study A-89. The Chinese Overseas - (New Course)

***History 76b. Religion and State in Qing China - (New Course)**

***History 86a (formerly *History 1828). Christianity and Chinese Society**



[History 1618. Telling Lives in Asia: Conference Course - \(New Course\)](#)

[History 1626. Modern Chinese History, 1644-1949 - \(New Course\)](#)

[Literature and Arts C-40. The Chinese Literati](#)

[Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community]

[Moral Reasoning 78. Classical Chinese Ethical and Political Theory]

Primarily for Graduates

[Chinese History 200. Spatial and Prosopographical Analysis of China's History]

Catalog Number: 5606

Peter K. Bol

Half course (spring term). M., 2–4.

History takes place through the actions of people who live in time and space. The analysis of what large numbers of people spread across the landscape are doing and how their patterns of behavior change over time is made possible with modern computational techniques. This course explores the connections between China's traditional biographical and geographical sources and the use of modern information systems for the collection and analysis of biographical and geographical data, in past and present. Separate labs will provide instruction in the use and design of prosopographical databases and geographic information systems (GIS).

Note: Expected to be given in 2009–10.

[Chinese History 224. Introduction to T'ang and Sung Historical Sources](#)

Catalog Number: 0673

Peter K. Bol

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

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.

Prerequisite: One year of literary Chinese or equivalent.

[Chinese History 228. Introduction to Neo-Confucianism]

Catalog Number: 2130

Peter K. Bol

Half course (fall term). M., 1–4.

Introduces major Neo-Confucian texts for close reading and analysis. Selections from the writings and records of spoken instruction by Zhou Dunyi, Chang Zai, Cheng Yi, Cheng Hao, Zhu Xi, Liu Jiuyuan, and others.

Note: Expected to be given in 2009–10.

[Chinese History 232r (formerly Chinese History 232). Topics in Han History]

Catalog Number: 7542

Michael J. Puett

Half course (spring term). Tu., 1–4.

Examines various topics in the history of the Han Dynasty.

Note: Expected to be given in 2009–10.



[Chinese History 235r (formerly Chinese History 235). Topics in Warring States History: Seminar]

Catalog Number: 1499

Michael J. Puett

Half course (spring term). Tu., 1–3:30.

Close reading of texts from the Warring States period.

Note: Expected to be given in 2010–11.

[Chinese History 251. Confucian Ethics: Conference Course]

Catalog Number: 2428

Wei-Ming Tu

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

An exploration of salient features in the Confucian mode of moral reasoning. Primarily for students in Chinese thought, religion and history.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3857.

[Chinese History 252. The Conquest Dynasties]

Catalog Number: 6854

Mark C. Elliott

Half course (spring term). Hours to be arranged.

Examines the history of northern "alien" regimes in comparative perspective. Attention is given to historiographical as well as theoretical issues of conquest, colonialism, law, identity, language, and gender.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of modern Chinese and/or Japanese required. Reading knowledge of classical Chinese recommended, but not required.

[Chinese History 255. Popular Religion in Late Imperial China: Historiography](#)

Catalog Number: 0337

Michael A. Szonyi

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

We will explore current writings on the relationship between Chinese popular religion and the Buddhist, Daoist, and Confucian traditions since the Song dynasty. We will discuss religion and ritual as important aspects of social experience, which interact with and shed light on other aspects of social relations. Topics discussed will include: syncretism, state regulation and cultural integration; local cults and Daoism.

[Chinese History 256r (formerly Chinese History 256). Popular Religion in Late Imperial China: Texts and Methods]

Catalog Number: 1081

Michael A. Szonyi

Half course (spring term). Th., 1–4.

This seminar introduces the different types of primary materials useful for study of popular religion in late imperial China. Course meetings are spent translating and discussing these materials.



Note: Expected to be given in 2009–10.

Prerequisite: Fluency in classical Chinese is required.

Chinese History 270. Sources on Islam in Modern China - (New Course)

Catalog Number: 1126

Jonathan N. Lipman (Mount Holyoke College)

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Survey of sources for the study of Islam and Muslims in China since 1600, from law codes to ethnographies, gazetteers to memorials. Participants' language skills and interests will determine topics for final projects.

Prerequisite: Participants should be able to read Chinese, both modern and literary, with ease.

Cross-listed Courses

History 2300. Methods in Intellectual History: Proseminar - (New Course)

History 2622 (formerly History 2822). Readings on the 1949 Revolution in China: Seminar

[History 2623 (formerly History 2823). Readings in Modern Chinese History: Proseminar]

History 2624 (formerly History 2848a & History 2848b). Introduction to Archival Research in Chinese History: Seminar

History 2626. Society and Culture in Modern China: Seminar - (New Course)

History 2627. Violence in Modern Chinese History: Seminar - (New Course)

China: Literature Courses

For Undergraduates and Graduates

Chinese Literature 130. Screening Modern China: Chinese Film and Culture

Catalog Number: 7241

Eileen Cheng-yin Chow

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

How do Chinese films between the two fin-de-siècles create the spectacle of “China” at home and abroad? Course topics include: the cinematic histories of China, Taiwan, and Hong Kong; the origins of early Chinese cinema; film's relationship to literary and pop culture discourses; violence and the martial arts genre; history and spectacle (Nanjing Massacre, Beijing Olympics) in film and new media.

Note: Lectures and readings in English, plus weekly film screenings. No prior background in subject matter required. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures or Literature and Arts B, but not both.

Chinese Literature 132. Chinatowns

Catalog Number: 8316

Eileen Cheng-yin Chow

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Explores ways that “Chinatown” has circulated as ‘memory, fantasy, narrative, myth’ in the dominant cultural imagination the last century and a half, and how realities of overseas communities, Asian American history, and conceptions of ‘Chineseness’ have engaged with real



and phantom Chinatowns. Though emphasis is on cultural and theoretical issues rather than socio-historical study of the “Chinatown” phenomenon, participants are encouraged to pursue multi-disciplinary approaches, such as studies in urban history, economics, or creative projects. *Note:* Primarily for undergraduates; graduate students may enroll with permission of instructor.

[Chinese Literature 133. Representations of Women in Chinese Literature]

Catalog Number: 8565

Wai-yee Li

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course uses images of women to explore major themes in Chinese literature: the relationship between self and society, individual and tradition, gender and political power. We also examine conceptions of desire, agency, and yin-yang polarity. Tropes that persist through different periods will be used to chart changes in literary history. Whenever feasible, we juxtapose representations of the same subjects by male and female writers. Readings are in English.

Note: Expected to be given in 2009–10.

Chinese Literature 150. China’s Greatest Folktales: Old Tales in New Media - (New Course)

Catalog Number: 7777

Wilt L. Idema and David Der-Wei Wang

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

This class will look at China’s most famous traditional tales, such as Mulan, Meng Jiangnü, The White Snake and Liang Shanbo and Zhu Yingtai. We will study both the richness and variety of these tales in premodern times, and the way in which modern and contemporary artists and intellectuals have reflected on these tales in their essays and novels, and adapted them for the stage and the screen in their search continuity between the Chinese past and the Chinese present.

Note: This course, when taken for a letter grade, meets the Core requirement for Foreign Cultures.

[Chinese Literature 158. Passion and Duty in Chinese Drama]

Catalog Number: 8085

Wilt L. Idema

Half course (fall term). M., 2–4.

Traditional and modern Chinese literature have a rich dramatic tradition. We will read (in translation) representative plays from the major dramatic genres from the 13th to the 20th century. Drawing upon existing scholarship and criticism, we emphasize the ways in which the conflict between passion (love, revenge) and duty (filial piety, loyalty to the state) is dealt with in each case.

Note: Expected to be given in 2009–10.

Chinese Literature 160. Creating Modern China: Chinese Culture and Politics from the 1900s to the Present - (New Course)

Catalog Number: 4867

Michael Hockx (University of London)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Surveys the links between works of modern Chinese literature and film and the political



movements that have pervaded China's modern history. Students will be introduced to the huge political significance of culture in modern China, and to the problematic Chinese search for an indigenous, yet modern, cultural identity. All course readings will be in English and all viewings will have English subtitles. Students who know Chinese will be encouraged to do additional reading in Chinese.

Cross-listed Courses

For related courses, see also *China: Language Courses* section.

[Foreign Cultures 67. Popular Culture in Modern China]

[Foreign Cultures 68. Authority and the Claims of the Individual in Chinese Literary Culture](#)

[*Freshman Seminar 35m. The Story of the Stone](#)

[Literature and Arts A-63. Women Writers in Imperial China: How to Escape from the Feminine Voice]

[Literature and Arts A-90. Forbidden Romance in Modern China]

[Literature and Arts C-40. The Chinese Literati](#)

Primarily for Graduates

[Chinese Literature 201a. History of Chinese Literature: Beginnings through Song](#)

Catalog Number: 0165

Xiaofei Tian

Half course (fall term). M., W., 11:30–1. EXAM GROUP: 4, 5

In-depth, scholarly introduction to history of Chinese literature and literary culture from antiquity through 1400. Also examines state of the field and considers issues for future research. Includes bibliography. Essential for general preparation.

[Chinese Literature 201b. History of Chinese Literature: 900-1900](#)

Catalog Number: 1760

Wilt L. Idema

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Continuation of Chinese Literature 201a. Provides an in-depth overview of the development of Chinese literature during the late imperial period, with special (but not exclusive) emphasis on the development of vernacular literature.

[Chinese Literature 205. Issues in the Study of Chinese Vernacular Fiction]

Catalog Number: 8394

Wilt L. Idema

Half course (fall term). Th., 2–4.

General introduction to the study of traditional vernacular fiction, including its origin and later development, as well as traditional and modern Chinese approaches to this body of literature. Special attention paid to available reference works.

Note: Expected to be given in 2009–10.



Chinese Literature 210. Diaspora and Transnationalism - (New Course)

Catalog Number: 9477

Eileen Cheng-yin Chow

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines 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.

Note: Also open to qualified undergraduates.

Chinese Literature 224r. Chinese Film Studies

Catalog Number: 4997

Eileen Cheng-yin Chow

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Primarily general preparation for those who are interested in taking a field in film and visual studies, with a special focus on Chinese cinema. This year's special topic will be the history of cinema on Taiwan, with special emphasis on the work of Edward Yang.

[Chinese Literature 225. Visual Evidence]

Catalog Number: 7222

Eileen Cheng-yin Chow

Half course (fall term). Tu., 2–4.

Through texts and investigations into visual practices, explores interactions of social context, technology, and culture in Qing and Republican China, and the role material media plays in changing epistemological formations, and in defining the “modern.”

Note: Expected to be given in 2009–10.

Prerequisite: Advanced command of modern Chinese; ability to read classical Chinese.

Chinese Literature 227r (formerly Chinese Literature 227). Early Chinese Narrative: Zuozhuan

Catalog Number: 3773

Wai-ye Li

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Uses the *Zuozhuan* to study early Chinese conceptions of morality, politics, rhetoric, narrative, history, and interpretation. Readings are in Chinese but a new complete and annotated translation will be available.

Prerequisite: Reading knowledge of classical Chinese.

[Chinese Literature 228. Asian Modernities: An Introduction to Critical and Cultural Theories]

Catalog Number: 7357

Eileen Cheng-yin Chow

Half course (spring term). W., 1–3.

We look at the place of theory and criticism in the study of ‘Asia’ in the academy today. We engage in topics such as the construction of ‘literature’, literary traditions, and national cultures in a comparative context; articulations of internationalism and cosmopolitanism as counter-discourses; recent debates on nationalism and modernity, cultural studies, gender studies,



translation and travel, and the proliferation of 'post-' studies (postmodern, post-colonial, post-ethnic) as they pertain to our research and writing.

Note: Expected to be given in 2009–10. Graduate seminar; qualified undergraduates require permission of instructor. Knowledge of one Asian literary or cultural tradition helpful.

Chinese Literature 229r. Literature and Culture of Early Medieval China - (New Course)

Catalog Number: 6099

Xiaofei Tian

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Survey of literature and culture of the Northern and Southern Dynasties (317-589). Major issues include travel, landscape, visualization, pursuit of transcendence and sagehood, construction of "South" and North," and implications of manuscript culture.

Chinese Literature 230. The Vernacular Short Story (*huaben xiaoshen*): Historical and Critical Approaches - (New Course)

Catalog Number: 6322

Wilt L. Idema

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Deals with the development of the vernacular short story, focusing on Feng Menglong's *Sanyan* (1620-1627), a compilation of 120 stories old and new. This course also looks at vernacular narratives of the Tang as found in Dunhuang and follows the development of the genre throughout the 17th and 18th centuries.

[Chinese Literature 231. Late-Ming Literature and Culture]

Catalog Number: 2770

Wai-yee Li

Half course (fall term). Tu., 1–4.

Surveys writings from second half of sixteenth century until fall of Ming, including prose (including "informal essays"), poetry, drama, fiction. Examines late-Ming literary-aesthetic sensibility (and questions how such a category may be justified.)

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of classical and pre-modern vernacular Chinese required.

[Chinese Literature 232. Early Qing literature and Culture]

Catalog Number: 8447

Wai-yee Li

Half course (spring term). Tu., 1–3:30.

Examines works in Qing prose, poetry, fiction, and drama. Focuses on memory and representation of the fall of the Ming in early Qing. Explores how this preoccupation merges and co-exists with developments in this period.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of classical and pre-modern vernacular Chinese required.

Chinese Literature 239. Gender and Power in Chinese Literature

Catalog Number: 7569

Wai-yee Li



Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

Uses conceptions of gender and representations of women to examine shifting paradigms of virtues and vices, notions of rhetoric and agency, ideas about politics, power and historical explanations, and boundaries of supernatural realms and religious transcendence.

[Chinese Literature 242. From Fiction into History]

Catalog Number: 2949

David Der-Wei Wang

Half course (spring term). W., 2–4.

This seminar deals with the dialogics between historical dynamics and literary manifestation at select moments of twentieth century China. It focuses on two themes: history and representation; modernity and monstrosity.

Note: Expected to be given in 2009–10.

[Chinese Literature 247. Chinese Lyricism and Modernity]

Catalog Number: 8098

David Der-Wei Wang

Half course (spring term). Th., 2–4.

Explores lyricism as an overlooked discourse in modern Chinese literature and culture. Looks into lyrical representations in poetic, narrative, and performative terms and re-defines the polemics of "the lyrical" in the making of Chinese modernities.

Note: Expected to be given in 2009–10.

Chinese Literature 248. Modern Chinese Literature: Theory and Practice - (New Course)

Catalog Number: 9486

David Der-Wei Wang

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Survey of the concepts, institutions, canons, debates, experiments, and actions that gave rise to, and continually redefined, modern Chinese literature. Equal attention given to theories drawn from Chinese and Western traditions.

[Chinese Literature 251. Liaozhai Zhiyi: Editions and Adaptations]

Catalog Number: 6657

Wilt L. Idema

Half course (spring term). W., 2–5.

Examines stories from Pu Songling's masterwork, focusing on development of the text.

Compares the author's handwritten copy to later manuscripts and the earliest printed versions; and examines annotated editions, and adaptations.

Note: Expected to be given in 2009–10.

[Chinese Literature 255. Readings in Yuan Drama]

Catalog Number: 3239

Wilt L. Idema

Half course (fall term). Tu 2–4.

This course will focus in class on the close reading and translation of a small number of selected



plays, which will illustrate the textual development of the genre.

Note: Expected to be given in 2009–10.

Chinese Literature 267r. Topics in Tang Literature

Catalog Number: 8521

Stephen Owen

Half course (fall term). Th., 2–5. EXAM GROUP: 16, 17, 18

Survey of Tang poetry considering both its evolving social function and that aspect of the art that resisted social function

Prerequisite: Two years of literary Chinese or equivalent.

[Chinese Literature 270. From History into Fiction]

Catalog Number: 3474

David Der-Wei Wang

Half course (fall term). W., 2–4.

A seminar on how literature helped to "emplot" modern Chinese history from the late Qing era to the Cultural Revolution. Discussion focuses on the fictional making of a national history, gendered subjectivity, and nativist vision.

Note: Expected to be given in 2009–10.

Chinese Literature 275. Literary Life in Modern China - (New Course)

Catalog Number: 9154

Michael Hockx (University of London)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Combines a general introduction to the sociology of literature with specific investigations into primary sources related to modern Chinese literary practices and communities. Covers the Republican period, the socialist era and the postsocialist present.

Cross-listed Courses

Comparative Literature 277. Literature and Diaspora - (New Course)

Graduate Courses of Reading and Research

***Chinese 300. Reading and Research**

Catalog Number: 4849

Peter K. Bol 8014, Eileen Cheng-yin Chow 2308, Mark C. Elliott 3329 (on leave spring term), Wilt L. Idema 2511, Wai-yee Li 3357, Stephen Owen 7418, Michael J. Puett 1227 (on leave 2008-09), Michael A. Szonyi 4842 (on leave spring term), Xiaofei Tian 3746, Wei-Ming Tu 7233 (on leave fall term), and David Der-Wei Wang 5190 (on leave spring term)

Half course (fall term; repeated spring term). Tu., 1–4.

Japan: Language Courses

For Undergraduates and Graduates



Japanese Ba. Elementary Japanese

Catalog Number: 2014

Yuko Kageyama-Hunt

Half course (fall term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

This course aims to develop a basic foundation in modern Japanese leading to proficiency in the four language skills of speaking, listening, reading and writing. Emphasis is placed on the use of these skills to communicate effectively in authentic contexts of daily life. Mastery of hiragana, katakana, and 29 Kanji (Chinese characters.)

Japanese Bb. Elementary Japanese

Catalog Number: 8728

Yuko Kageyama-Hunt

Half course (spring term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

Continuation of Japanese Ba, with an additional 151 Kanji.

Prerequisite: Japanese Ba or equivalent.

Japanese 106a. Classical Japanese

Catalog Number: 1492

Edwin A. Cranston

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Introduction to classical grammar and texts.

Prerequisite: Japanese 130b.

[Japanese 106b. Kambun]

Catalog Number: 2602

Edwin A. Cranston

Half course (spring term). M., W., F., at 11.

Introduction to *Kambun*.

Note: Expected to be given in 2009–10.

Prerequisite: Japanese 106a or equivalent.

Japanese 106c. Later Classical Japanese

Catalog Number: 7307

Edwin A. Cranston

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Post-Heian writings in Classical Japanese.

Prerequisite: Japanese 106a or equivalent.

Japanese 120a (formerly Japanese 101a). Intermediate Japanese I

Catalog Number: 8152

Harumi Ono

Half course (fall term). Sections M., through F., at 9, 10, or 1. EXAM GROUP: 2, 11

Second-year intermediate level course aimed at consolidation of the basic grammatical patterns of Japanese and development of reading, writing, speaking, and listening skills to the level



necessary for communication in everyday life in Japanese society. Introduction of approximately 300 Chinese characters beyond those introduced in Bb.

Prerequisite: Japanese Bb or equivalent.

Japanese 120b (formerly Japanese 101b). Intermediate Japanese I

Catalog Number: 6433

Harumi Ono

Half course (spring term). Sections M., through F., at 9, 10, or 1. EXAM GROUP: 2, 11

Continuation of Japanese 120a. Approximately 300 additional Chinese characters.

Japanese 130a (formerly Japanese 103a). Intermediate Japanese II

Catalog Number: 4855

Satomi Matsumura

Half course (fall term). M., through F., at 9 or 1. EXAM GROUP: 2, 11

Third-year intermediate advanced course. Development of skills in reading authentic materials from contemporary Japanese media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. Development of speaking and writing skills to an increasingly sophisticated level. Introduction of approximately 300 additional Chinese characters beyond those introduced in 120b.

Prerequisite: Japanese 120b or equivalent.

Japanese 130b (formerly Japanese 103b). Intermediate Japanese II

Catalog Number: 6904

Satomi Matsumura

Half course (spring term). M., through F., at 9 or 1. EXAM GROUP: 2, 11

Continuation of Japanese 130a. Approximately 300 additional Chinese characters.

Japanese 140a (formerly Japanese 104a). Advanced Modern Japanese

Catalog Number: 3688

Emi Yamanaka

Half course (fall term). Sections: M. through Th., at 10 or 1. EXAM GROUP: 3, 12

Readings of modern texts in both rapid and in-depth modes. Comprehension of media news and drama. Advanced conversation and composition on topics related to the preceding.

Prerequisite: Japanese 130b.

Japanese 140b (formerly Japanese 104b). Advanced Modern Japanese

Catalog Number: 8551

Emi Yamanaka

Half course (spring term). Sections: M., through Th., at 10 or 1. EXAM GROUP: 3, 12

Continuation of Japanese 140a.

Japanese 150a (formerly Japanese 110a). Readings and Discussion in Japanese Social Sciences

Catalog Number: 4693

Emi Yamanaka

Half course (fall term). M., W., F. at 9. EXAM GROUP: 2



Selected readings and discussion in contemporary Japanese on topics in social studies, culture, education, politics, business, economy, psychology, and anthropology, supplemented by selections from audiovisual materials on current social issues.

Note: Conducted in Japanese.

Prerequisite: Japanese 140b.

Japanese 150b (formerly Japanese 110b). Readings and Discussion in Japanese Social Sciences

Catalog Number: 0984

Emi Yamanaka

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Continuation of Japanese 150a.

Prerequisite: Japanese 150a.

Cross-listed Courses

[Linguistics 174. Tense and Aspect in Japanese]

[Linguistics 176. History and Prehistory of the Japanese Language]

Primarily for Graduates

Japanese 210a (formerly Japanese 209a). Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 9182

Wesley M. Jacobsen

Half course (fall term). M., W., F., 9, and an additional 90 minutes weekly to be arranged.

EXAM GROUP: 2

Development of skills in reading and translating academic genres of Japanese, with special attention to Japanese scholarship on Chinese and Korean studies. Introduction to old kana usage and classical forms commonly used in scholarly writing.

Prerequisite: Japanese 120b, and graduate standing in some field of Chinese or Korean studies.

Japanese 210b (formerly Japanese 209b). Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 8918

Wesley M. Jacobsen

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Continuation of Japanese 210a.

Prerequisite: Japanese 210a.

Japan: History Courses

For Undergraduates and Graduates

Japanese History 111a. Ancient and Medieval Japan

Catalog Number: 3616



Ethan Isaac Segal (Michigan State University)

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

This course explores major developments in pre-1600 political, economic, social and cultural history, including gender and foreign relations. Students use primary sources (in translation) to analyze how pre-modern Japanese described their own worlds. Although modern popular culture emphasizes the role of the samurai in pre-modern Japan, this course also highlights the important contributions of emperors and nobles, peasants and poets, women and priests in the creation of Japanese traditions.

Japanese History 115. Religion and Society in Edo and Meiji Japan

Catalog Number: 5756

Helen Hardacre

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examination of religion and society in Japan from 1600-1912, beginning with an era of state control over religious institutions and religious affiliations of the populace, followed by the demise of the Edo-period system and diversification of religious practice in context of rapid social change, modernization, and imperialism during the Meiji period. Separate section for students able to utilize primary sources in Japanese will explore the Maruzen Meiji Microfilm collection in the Harvard-Yenching Library.

Note: Offered jointly with the Divinity School as 3957.

Prerequisite: General knowledge of Japanese history and religion is helpful.

Japanese History 120. Religion and Society in Twentieth-Century Japan

Catalog Number: 4903

Helen Hardacre

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An examination of religion and society from the end of the Meiji period (1912) to the present. This course explores the meaning of the modern in Japanese religions, the development of the public sphere and religion's relations with it, religion and nationalism, and the interconnections of religion and social change with materialism, consumerism, pacifism, and spiritualism.

Note: Offered jointly with the Divinity School as 3958.

Prerequisite: General knowledge of Japanese history and religion is helpful. Enrollment in Japanese History 115 recommended but not required.

[Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture]

Catalog Number: 0725

Ryuichi Abe

Half course (spring term). Tu., Th., 2–3:30.

An introductory course designed for students to understand some central values in Japanese religious culture. It first observes popular religious ceremonies, festivals, and rituals and studies their historical transformation; then investigates the interaction between Buddhism and native Japanese religion; and finally studies the permeating influence of religion on traditional Japanese art and literature. The concluding section considers wide-ranging contemporary and traditional religious issues in Japanese popular culture.

Note: Expected to be given in 2009–10.



Japanese History 126. Shinto: Conference Course

Catalog Number: 3097

Helen Hardacre

Half course (spring term). W., 4–6. EXAM GROUP: 9

An examination of Shinto, emphasizing its concepts of deity (*kami*), patterns of ritual and festival, shrines as religious and social institutions, political culture and interactions with party politics, and its contribution to contemporary youth culture.

Note: General knowledge of Japanese history and religion is helpful. Japanese language is not required, but several meetings will be held for students able to use Japanese-language sources. Offered jointly with the Divinity School as 3960.

[Japanese History 130. Edo Japan in the History of Curiosity]

Catalog Number: 4445

Shigehisa Kuriyama

Half course (spring term). M., 2–5.

Edo culture considered through the prism of the comparative history of curiosity. Topics include the vogue of natural history, collections of curiosities, erotic art, travel and tourism, monsters and ghosts, optical devices, anatomy.

Note: Expected to be given in 2009–10.

[Japanese History 131. Constitutions and Civil Society in Japanese History]

Catalog Number: 6179

Helen Hardacre

Half course (spring term). W., 4–6.

An examination of civic engagement in the processes of formulating and revising the Japanese constitution, from the 1880s to the present, in comparative perspective.

Note: Expected to be given in 2009–10. Requirements: Regular attendance and meaningful participation in discussion. One term paper, 25-30 pages. Presentation of work-in-progress on the term paper at a Course Conference.

Prerequisite: None.

Cross-listed Courses

[Foreign Cultures 84. Tokyo]

Historical Study A-14. Japan: Tradition and Transformation

[*History 76a (formerly *History 1858). Japanese Imperialism]

***History 86b (formerly *History 1843). Imperial Japan and the US**

[History 1623 (formerly History 1851). 20th-Century Japan]

History of Art and Architecture 18k. Introduction to Japanese Art

Primarily for Graduates

Japanese History 201. Readings in Pre-Meiji History - (New Course)

Catalog Number: 7415

Ethan Isaac Segal (Michigan State University)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7



Intensive reading and discussion of secondary scholarship. Discussion will engage current debates as well as historiographical issues; topics will include intellectual and economic history; women and gender; religious institutions and thought; and more. Some prior familiarity with Japanese history expected.

Japanese History 202. Introduction to Heian and Medieval Historical Sources - (New Course)

Catalog Number: 6780

Ethan Isaac Segal (Michigan State University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Introduction to the reading and interpretation of kanbun sources useful in the study of pre-1600 Japanese history. Materials explored include letters, diaries, and legal documents along with illustrated and other non-traditional sources. Recent scholarship and methodological issues are also discussed.

Prerequisite: Familiarity with classical Japanese and kanbun.

[Japanese History 213. Sesshu]

Catalog Number: 0769

Melissa M. McCormick

Half course (fall term). F., 1–3.

Examines the artistic output, biography, and reception history of the Zen-monk painter Sesshu (1420–1506), Japan's most famous premodern artist. In addition to Sesshu's landscape paintings, portraits, and Buddhist figure paintings, topics for consideration will include the historical milieu in Kyoto and the western provinces during the Onin War (1467–77), the political power of the Ouchi clan (Sesshu's patrons), Sesshu's relationship with other monks and Zen institutions, and his eventful trip to Ming China (c. 1467).

Note: Expected to be given in 2009–10.

[Japanese History 224. Teaching Japanese Religions: Pedagogical Issues and Course Design]

Catalog Number: 6117

Helen Hardacre

Half course (fall term). W., 10–12.

This course offers practical experience in the design and implementation of courses in Japanese religions. Students will compile syllabi, plan discussion sessions, compose examination exercises, and consider relevant multi-media material, as well as conducting practice lectures and classes.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3803.

Japanese History 255. Topics in the Study of Shinto

Catalog Number: 9448

Helen Hardacre and Melissa M. McCormick

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An examination of Shinto arts in religious and historical context. Topics to be explored include the Kasuga cult and its material and visual culture; the art of kami worship and syncretic visual systems; the forms and functions of shrine-temple architectural complexes; and the relationship



between Buddhist relics and Shinto deities.

Prerequisite: Reading knowledge of modern Japanese.

Japanese History 260r. Topics in Japanese Cultural History

Catalog Number: 4539

Shigehisa Kuriyama

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

Focus for 2008-09: study of advertisements, posters, and other ephemera from late Edo-early Meiji times, with special attention to materials from the Yenching Library collection.

Prerequisite: Advanced Japanese with some acquaintance with (or at least concurrent study of) *bungo* and *kambun*.

Cross-listed Courses

***History 2651 (formerly *History 2851). Japanese History: Seminar**

History 2653 (formerly History 2853). Historiography of Modern Japan: Proseminar

Japan: Literature Courses

For Undergraduates and Graduates

[Japanese Literature 121a. History of Japanese Literature]

Catalog Number: 5891

Adam L. Kern

Half course (fall term). Hours to be arranged.

A broad overview of some of the most consequential, absorbing, and exquisitely wrought works of Japanese literature of the classical, medieval, and early modern periods (up to 1868), available in English translation.

Note: Expected to be given in 2009–10.

Japanese Literature 121b. Modern Japanese Literature

Catalog Number: 1069

Melissa Wender

Half course (fall term). M., W., at 10, and an additional hour to be arranged. EXAM GROUP: 3

This class surveys the prose fiction of Japan from the Meiji Restoration (1868) to the present.

We ask how certain works of literature came to be part of the canon of modern Japanese literature while others were excluded, and thus consider the relationships among modernity, the nation, and literature. Readings include fiction by Nobel prizewinners Kawabata and Oe and the bestselling Murakami Haruki as well as lesser-known writers.

Japanese Literature 123. Manga

Catalog Number: 7021

Adam L. Kern

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Surveys the *manga*—the Japanese comicbook, comic strip, and graphic novel—from its precursors in classic picturescrolls, pasquinades, and woodblock-printed art and literature;



through its progenitors in Meiji newspapers and magazines; to its modern and contemporary manifestations in subgenres like *mecha* and *shôjo*. Draws upon critical writings on popular culture, visual culture, cultural studies, literary history, cartoon art, and the poetics of visual-verbal narrative.

Note: Japanese *not* required.

[Japanese Literature 124. The Tale of Genji in Word and Image]

Catalog Number: 2181

Melissa M. McCormick

Half course (spring term). Th., 2–4.

This undergraduate seminar introduces students to The Tale of Genji, often called the world's first novel, authored by the court lady Murasaki Shikibu around the year 1000 CE. In addition to a close reading of the tale, topics for examination include Japanese court culture, women's writing, and Genji's afterlife in painting, prints, and the Noh theater. The class will include visits to art collections and the viewing of a Noh performance.

Note: Expected to be given in 2009–10.

Japanese Literature 125. Haiku - (New Course)

Catalog Number: 8062

Adam L. Kern

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Close readings in English translation of Japanese haiku and related forms (verse capping, haiku-embedded prose, haiku-style ink painting, comic haiku, and dirty haiku) by women as well as by men.

Note: Japanese *not* required.

Japanese Literature 133 (formerly Japanese Literature 250r). Gender and Japanese Art

Catalog Number: 2144

Melissa M. McCormick

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines the role of gender in the production, reception, and interpretation of visual images in Japan from the twelfth through the twenty-first centuries. Topics include Buddhist conceptions of the feminine and Buddhist painting; sexual identity and illustrated narratives of gender reversals; the dynamics of voyeurism in Ukiyo-e woodblock prints; modernization of images of "modern girls" in the 1920s; and the gender dynamics of girl culture in manga and anime.

Japanese Literature 160. The Pacific War through Film - (New Course)

Catalog Number: 0843

Abe Markus Nornes (University of Michigan)

Half course (fall term). Tu., Th., at 10, and weekly film screenings F 10-1. EXAM GROUP: 12

Examines some of the most innovative and disturbing propaganda ever created. Analyzes the conflicting images of films produced by Japan and America in World War II and their effectiveness in defining public perceptions of the enemy. Will also show the power of visual imagery to exacerbate racial tensions and enforce both positive and negative stereotypes.

Cross-listed Courses



[Foreign Cultures 85. Japan Pop: From Basho to Banana]

***Freshman Seminar 31g. The Pleasures of Japanese Poetry: Reading, Writing, and Translation**

Primarily for Graduates

Japanese Literature 200. Modern Japanese Women Writers: Seminar

Catalog Number: 0987

Melissa Wender

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course is an introduction to literature by women in Japan, with a focus on works written in the modern era. In addition to fiction, poetry, and essays by Japanese women, we will read secondary historical, anthropological and theoretical works. Topics will include women's relationship to literary tradition, to industrial modernity, to militarist imperialism, and to capitalist globalization.

Japanese Literature 201. Re-writing Modern Japanese Literature: A Seminar in Translation - (New Course)

Catalog Number: 8255

Melissa Wender

Half course (fall term). Th., 2–4.

This seminar focuses on the translation of Japanese literature. In addition to reading and translating works of fiction, we read theoretical texts to help us consider the broader meanings of the practice of translation.

Prerequisite: Open to students who have completed fourth-year Japanese or with permission of the instructor.

Japanese Literature 233r. Nara and Heian Court Literature

Catalog Number: 8614

Edwin A. Cranston

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Topic to be decided.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 242. Survey of Early Modern Japanese Literature

Catalog Number: 0324

Adam L. Kern

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Rapid readings of excerpts from major works across several genres of popular literature, including *kanazôshi*, *hyôbanki*, *ukiyo-zôshi*, *dangibon*, *sharebon*, *kibyôshi*, and *kokkeibon*.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 244. Haikai - (New Course)

Catalog Number: 1070

Adam L. Kern

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17



Close readings in Japanese, and translation into English, of *haikai* and related forms (*haibun*, *maekuzuke*, *haiga*, *senryu*, *bareku*), by women as well as by men, from the seventeenth through nineteenth centuries.

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 250. Remembering War and Empire in Postwar Japanese Fiction: Seminar - (New Course)

Catalog Number: 3249

Melissa Wender

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This seminar examines postwar Japanese fiction about war, empire, and their legacies. Using biographical, historical, and theoretical works, students will consider the role of literature in Japanese debates about historical responsibility.

Japanese Literature 260. Japanese Cinema - (New Course)

Catalog Number: 7044

Abe Markus Nornes (University of Michigan)

Half course (spring term). W., 2-5, and weekly film screenings F 10-1. EXAM GROUP: 7, 8, 9

Explores the history of Japanese cinema and its theoretical significance for film studies, beginning with the *benshi* and ending with anime.

Note: No knowledge of Japanese required. Open to qualified undergraduates.

Cross-listed Courses

Comparative Literature 277. Literature and Diaspora - (New Course)

Graduate Courses of Reading and Research

***Japanese 300. Reading and Research**

Catalog Number: 4627

Ryuichi Abe 4974, Mikael Adolphson 1878, Harold Bolitho 1176 (on leave 2008-09), Edwin A. Cranston 1186, Andrew Gordon 1891, Helen Hardacre 3191, Wesley M. Jacobsen 3443, Adam L. Kern 4195, Shigehisa Kuriyama 5269, Satomi Matsumura 2665, Melissa M. McCormick 5331, Ethan Isaac Segal (Michigan State University) 6196 (spring term only), and Melissa Wender 5920

Korea: Language Courses

For Undergraduates and Graduates

Korean Ba. Elementary Korean

Catalog Number: 8739

Sang-suk Oh

Half course (fall term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Introduction to modern Korean: basic grammar, reading of simple texts, conversational skills,



and writing short letters. After successful completion of this course, students are expected to be able to handle a limited number of interactive, task-oriented, and social situations and to have sufficient control of the writing system to interpret written language in areas of practical needs.

Korean Bb. Elementary Korean

Catalog Number: 8718

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 Ba.

Prerequisite: Korean Ba or equivalent.

Korean Bxa (formerly Korean Bx). Elementary Korean for Advanced Beginners

Catalog Number: 0120

Sang-suk Oh

Half course (fall term). M., W., F., at 9, and two additional hours to be arranged. EXAM GROUP: 2

Designed for students with significant listening and speaking background, either from prior formal learning or previous exposure to a Korean speaking community. Introductory Korean course, with emphasis on reading and writing. After successful completion of this course, students are expected to be able to understand main ideas and/or some facts from the simple connected texts dealing with basic personal and social needs and to be able to meet a number of practical writing needs.

Korean Bxb (formerly Korean 102x). Elementary Korean for Advanced Beginners

Catalog Number: 3031

Sang-suk Oh

Half course (spring term). M., W., F., at 10, and two additional hours to be arranged.
Continuation of Korean Bxa.

Korean 120a (formerly Korean 102a). Intermediate Korean

Catalog Number: 5884

Mi-Hyun Kim

Half course (fall term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of elementary Korean to consolidate students' knowledge of the fundamental grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a wide range of daily-life transactional situations. After successful completion of second-year Korean, students are expected to handle most uncomplicated communicative tasks and social situations and read consistently with understanding of simple connected texts dealing with personal and social needs.

Prerequisite: Korean Bb or equivalent.

Korean 120b (formerly Korean 102b). Intermediate Korean

Catalog Number: 8590

Mi-Hyun Kim



Half course (spring term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Korean 120a.

Prerequisite: Korean 120a or equivalent.

Korean 130a (formerly Korean 103a). Pre-advanced Korean

Catalog Number: 2071

Mi-Hyun Kim

Half course (fall term). W., F., at 2, and two additional hours to be arranged. EXAM GROUP: 7

Continuation of intermediate Korean, to consolidate the student's knowledge of the grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a wide range of familiar and everyday topics, current societal events, and factual and concrete topics relating to personal interests. After successful completion of third-year Korean, students are expected to be able to describe and narrate about concrete and factual topics of personal and general interest.

Prerequisite: Korean 120b or equivalent.

Korean 130b (formerly Korean 103b). Pre-advanced Korean

Catalog Number: 2662

Mi-Hyun Kim

Half course (spring term). Tu., Th., at 9; F., 2, and one additional hour to be arranged. EXAM GROUP: 7

Continuation of Korean 130a.

Prerequisite: Korean 130a or equivalent.

Korean 140a (formerly Korean 104a). Advanced Korean

Catalog Number: 5723

Sang-suk Oh

Half course (fall term). Th., 2–4; Tu., 4–6. EXAM GROUP: 16, 17

Development of skills in reading materials from contemporary Korean media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. After successful completion of fourth-year Korean, students should be able to satisfy the requirements of various everyday, school, and work situations and follow essential points of written discourse which are abstract and linguistically complex, and also to write about a variety of topics in detail with precision.

Prerequisite: Korean 130b or equivalent.

Korean 140b. Advanced Korean

Catalog Number: 3011

Sang-suk Oh

Half course (spring term). Tu., Th., 2–4.

Continuation of Korean 140a.

Prerequisite: Korean 140a or equivalent.

Korean 150a (formerly Korean 110a). Readings in Cultural Studies

Catalog Number: 1936



Sang-suk Oh

Half course (fall term). Th., 4–7 p.m. EXAM GROUP: 18

Selected readings in contemporary Korean on topics in art, film, drama, and cultural studies, supplemented by selections from audio-visual media on traditional and current cultural events. After completion of Korean 150a and 150b, students are expected to be able to participate in most formal and informal conversations on practical, social, professional, and abstract topics and read with almost complete comprehension and at normal speed expository prose on unfamiliar subjects and a variety of literary texts.

Prerequisite: Korean 140b or equivalent.

Korean 150b (formerly Korean 110b). Readings in Cultural Studies

Catalog Number: 1282

Sang-suk Oh

Half course (spring term). Th., 3–6. EXAM GROUP: 17, 18

Continuation of Korean 150a.

Prerequisite: Korean 140b or equivalent.

Korea: History Courses

For Undergraduates and Graduates

Korean History 111. Traditional Korea

Catalog Number: 3709

Sun Joo Kim

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Survey of the history of Korea, from earliest times to the 19th century. Examines various interpretive approaches and issues in the political, social, economic, intellectual, cultural, and diplomatic history of premodern Korea.

[Korean History 118. Social History of Premodern Korea]

Catalog Number: 3231

Sun Joo Kim

Half course (spring term). M., 1–4.

Reading and discussion of Chosôn society and culture. We will try to understand social and political structures and institutions by examining the daily life of various groups of people from top to bottom.

Note: Expected to be given in 2009–10.

Cross-listed Courses

Foreign Cultures 80. Korea at 2100

***Freshman Seminar 43w. History, Nationalism, and the World: the Case of Korea**

***Freshman Seminar 48v. North Korea as History and Crisis**

[Historical Study A-75. The Two Koreas]

Primarily for Graduates



Korean History 230r. Readings in Premodern Korean History

Catalog Number: 4497

Sun Joo Kim

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A study of social, political, economic, and intellectual history of premodern Korea reviewing major scholarship in the field. Designed primarily for graduate students preparing for the general examination. All readings are in English.

Prerequisite: Korean History 111 or equivalent.

[Korean History 235r. Historical Research in Korea]

Catalog Number: 7886

Sun Joo Kim

Half course (spring term). F., 1–3.

Explores current historical research in the field of premodern Korea by reviewing major publications in the field in Korean.

Note: Expected to be given in 2010–11.

Prerequisite: Korean History 111 or equivalent and proficiency in Korean.

Korean History 240r. Selected Topics in Premodern Korean History: Seminar

Catalog Number: 9837

Sun Joo Kim

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Reading and research of selected primary sources and secondary works on premodern Korean history.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Korean. Reading ability in classical Chinese and Japanese helpful.

Korean History 253r. Modern Korean History: Proseminar

Catalog Number: 0365

Carter J. Eckert

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

An introduction to some of the current issues in modern Korean history through selected readings. Designed primarily for entering graduate students.

[*Korean History 255r. Modern Korean History: Seminar]

Catalog Number: 0713

Carter J. Eckert

Full course (indivisible). Th., 2–4. EXAM GROUP: Spring: 16, 17

Reading and research in modern Korean history. Students are required to write a seminar paper based largely on primary materials.

Note: Expected to be given in 2009–10.

Prerequisite: Korean History 253r or equivalent, and reading proficiency in Korean.

[Korean History 260r (formerly Korean History 260hfr). Readings in Modern Korean History]

Catalog Number: 5372



Carter J. Eckert

Full course (indivisible). Th., 2–4.

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 2009–10.

Korea: Literature Courses

Primarily for Graduates

Korean Literature 210r. Pre-Modern Korean Literature

Catalog Number: 6342

David McCann

Half course (fall term). Th., 1–3.

Close reading in a number of literary forms, including the essay, histories, prose fiction, songs, poetry, and p'ansori.

Note: Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

[Korean Literature 212. Modern Korean Poetry]

Catalog Number: 5627

David McCann

Half course (fall term). W., 1–3.

Major and minor voices in 20th and 21st-century Korean poetry. Attention to the practices of reading and translation, and to the political contexts of modern Korean poetry.

Note: Expected to be given in 2009–10. Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

Cross-listed Courses

Comparative Literature 277. Literature and Diaspora - (New Course)

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, David McCann 3635, and Sang-suk Oh 3856

Manchu: Language Courses

For Undergraduates and Graduates

Manchu A. Elementary Manchu

Catalog Number: 8961

Mark C. Elliott



Half course (fall term). Tu., Th., 10–11:30.

Introduction to Manchu grammar with elementary readings in Manchu script.

Manchu B. Elementary Manchu

Catalog Number: 1625

Mark C. Elliott

Half course (spring term). Tu., Th., 10–11:30.

Readings in a variety of historical and literary texts with emphasis on Manchu documentary sources, with and without diacritical marks.

[Manchu 120a (formerly Manchu C). Intermediate Manchu]

Catalog Number: 4190

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Readings in a wide variety of Manchu texts. English to Manchu translation exercises.

Note: Expected to be given in 2009–10.

[Manchu 120b (formerly Manchu D). Advanced Manchu]

Catalog Number: 1414

Mark C. Elliott

Half course (spring term). Hours to be arranged.

Intensive reading in Manchu archival materials, other historical texts and literary texts. Some texts in pre-diacritical form. English to Manchu translation exercises.

Note: Expected to be given in 2009–10.

Primarily for Graduates

[Manchu 210a. Introduction to Sources for Manchu Studies]

Catalog Number: 5638

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Introduces a range of Manchu and Chinese texts used for research in Manchu studies. After reviewing the history and present state of Manjuristics, we will consider different source materials each week. Students will present oral reports and write a bibliographic essay on a topic of potential research interest.

Note: Expected to be given in 2009–10.

Prerequisite: Ability in literary Chinese and Manchu, background in Qing history. Reading ability in Japanese strongly preferred but not required.

[Manchu 210b. Introduction to Sources for Manchu Studies]

Catalog Number: 4146

Mark C. Elliott

Half course (spring term). Hours to be arranged.

Research papers prepared on the basis of primary sources.

Note: Expected to be given in 2009–10.

Prerequisite: Manchu 210a.



Graduate Courses of Reading and Research

***Manchu 300. Reading and Research**

Catalog Number: 8735

Mark C. Elliott 3329 (on leave spring term)

Mongolian: Language Courses

For Undergraduates and Graduates

[Mongolian A. Elementary Written Mongolian]

Catalog Number: 2965

Mark C. Elliott

Half course (fall term). Tu., Th., 10–11:30.

Study of classical Mongolian grammar, with introduction to pre-classical and classical Mongolian texts.

Note: Expected to be given in 2009–10.

[Mongolian B. Elementary Written Mongolian]

Catalog Number: 8489

Mark C. Elliott

Half course (spring term). Tu., Th., 8:30–10.

Continuation of Mongolian A.

Note: Expected to be given in 2009–10.

Mongolian 120a (formerly Mongolian C). Intermediate Written Mongolian

Catalog Number: 0810

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Readings in classical and modern Mongolian texts.

[Mongolian 120b (formerly Mongolian D). Advanced Written Mongolian]

Catalog Number: 4032

Mark C. Elliott

Half course (spring term). Hours to be arranged.

Continuation of Mongolian 120a.

Note: Expected to be given in 2009–10.

Graduate Courses of Reading and Research

***Mongolian 300. Reading and Research**

Catalog Number: 1345

Mark C. Elliott 3329 (on leave spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

Tibetan and Himalayan Studies



Cross-listed Courses

[**Tibetan 91r. Supervised Reading and Research**](#)
[**Tibetan 101b. Elementary Classical Tibetan**](#)
[**Tibetan 102b. Intermediate Classical Tibetan - \(New Course\)**](#)
[**Tibetan 104br. Elementary Colloquial Tibetan**](#)
[**Tibetan 202r. Readings in Advanced Philosophical Tibetan**](#)
[**Tibetan 203. Readings in Madhyamaka/Dbu ma - \(New Course\)**](#)
[**Tibetan 219. Tibetan Religious Literature**](#)
[Tibetan 227. History of Tibetology: Seminar]
*Tibetan 300. Reading and Research
*Tibetan 302. Direction of AM Theses

Uyghur: Language Courses

For Undergraduates and Graduates

[Uyghur A. Elementary Uyghur]

Catalog Number: 8767

Mark C. Elliott

Half course (fall term). Tu., Th., 8:30–10.

Introduction to Uyghur, the Turkic language spoken in China's Xinjiang Uyghur Autonomous Region and throughout Central Asia. Course covers grammar, reading and writing (in the modified Arabic alphabet adopted in the PRC), and conversation practice.

Note: Expected to be given in 2009–10.

[Uyghur B. Elementary Uyghur]

Catalog Number: 5271

Mark C. Elliott

Half course (spring term). Tu., Th., 8:30–10.

Continuation of Uyghur A. Completion of basic Uyghur grammar, listening and speaking practice with the aid of audio-visual materials, selected readings from Uyghur literature and academic prose.

Note: Expected to be given in 2009–10.

[**Uyghur 120A. Intermediate/Advanced Uyghur - \(New Course\)**](#)

Catalog Number: 9312

Mark C. Elliott

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Additional training in modern Uyghur, with attention to improvement of spoken fluency and comprehension. Extensive readings in a range of genres, including historical writing and academic prose as well as religious texts.

Prerequisite: Uyghur B or consent of instructor.

[**Uyghur 120B. Intermediate/Advanced Uyghur - \(New Course\)**](#)

Catalog Number: 4234



Mark C. Elliott

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Continuation of Uyghur 120A.

Prerequisite: Uyghur 120A or consent of instructor.

***Uyghur 300. Readings in Uyghur Language and Literature - (New Course)**

Catalog Number: 5357

Mark C. Elliott 3329 (on leave spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

Guided readings in advanced Uyghur-language texts. May be repeated for credit.

Prerequisite: Uyghur 120B or consent of instructor.

Vietnam: Language Courses

For Undergraduates and Graduates

Vietnamese Ba. Elementary Vietnamese

Catalog Number: 3873

Binh Ngo

Half course (fall term). M. through F., at 9. EXAM GROUP: 2, 11

Surveys the fundamentals of Vietnamese phonetics, grammar, and vocabulary to provide students with basic ability to understand, speak, read, and write Vietnamese. Conversational ability is stressed through an interactive, communication-oriented approach.

Vietnamese Bb. Elementary Vietnamese

Catalog Number: 9940

Binh Ngo

Half course (spring term). M. through W., at 10, and two additional hours to be arranged.

EXAM GROUP: 3, 12

Continuation of Vietnamese Ba, with introduction of additional Vietnamese texts and advertisements to enhance reading skills.

Prerequisite: Vietnamese Ba or permission of the instructor.

Vietnamese 120a. Intermediate Vietnamese

Catalog Number: 3276

Binh Ngo

Half course (fall term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 9

Further development of speaking, reading, writing, and aural comprehension. Texts on Vietnamese geography, history, culture, and customs will be used, as well as audiotapes and videos. Students are expected to speak Vietnamese in all class discussions.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese Bb or permission of the instructor.

Vietnamese 120b. Intermediate Vietnamese

Catalog Number: 6178



Binh Ngo

Half course (spring term). M., 4-6 pm, and two additional hours to be arranged.

Continuation of Vietnamese 120a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 120a or permission of the instructor.

Vietnamese 130a. Advanced Vietnamese

Catalog Number: 6287

Binh Ngo

Half course (fall term). M., W., F. at 11, and two additional hours to be arranged. EXAM

GROUP: 4

Development of high proficiency in Vietnamese. Introduction of complex grammar and vocabulary, using authentic Vietnamese texts, audiotapes, videos, and translation of English news articles into Vietnamese. Discussions focus on selected short stories and poems.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 120b or permission of the instructor.

Vietnamese 130b. Advanced Vietnamese

Catalog Number: 3968

Binh Ngo

Half course (spring term). M., W., F., at 11, and two additional hours to be arranged. EXAM

GROUP: 4

Continuation of Vietnamese 130a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 130a or permission of the instructor.

Vietnam: History Courses

Cross-listed Courses

Foreign Cultures 60. Individual, Community, and Nation in Vietnam

[Historical Study B-68. America and Vietnam: 1945-1975]

History 1618. Telling Lives in Asia: Conference Course - (New Course)

History 1619 (formerly History 1820). Premodern Vietnam

History 1620 (formerly History 1821). Modern Vietnam

Graduate Courses of Reading and Research

***Vietnamese 300. Reading and Research**

Catalog Number: 7211

Binh Ngo 1383



Economics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Economics

James H. Stock, Harold Hitchings Burbank Professor of Political Economy (*Chair*)
 Philippe Aghion, Robert C. Waggoner Professor of Economics
 Alberto F. Alesina, Nathaniel Ropes Professor of Political Economy (*on leave 2008-09*)
 Attila Ambrus, Associate Professor of Economics
 Pol Antràs, Professor of Economics
 Silvia Ardagna, Assistant Professor of Economics
 Beatriz Armendariz, Lecturer on Economics
 Susan Athey, Professor of Economics (*on leave fall term*)
 Laurence M. Ball, Visiting Professor of Economics
 Robert J. Barro, Paul M. Warburg Professor of Economics
 Efraim Benmelech, Assistant Professor of Economics (*on leave fall term*)
 John Y. Campbell, Harvard College Professor and Morton L. and Carole S. Olshan Professor of Economics (*on leave 2008-09*)
 Gary Chamberlain, Louis Berkman Professor of Economics (*on leave 2008-09*)
 Eric Chaney, Assistant Professor of Economics
 Richard N. Cooper, Maurits C. Boas Professor of International Economics
 David M. Cutler, Otto Eckstein Professor of Applied Economics
 Ulrich Doraszelski, Assistant Professor of Economics
 Stanley L. Engerman, Visiting Professor of Economics (*spring term only*)
 Ignacio Esponda, Visiting Assistant Professor of Economics (*New York University*) (*spring term only*)
 Emmanuel Farhi, Assistant Professor of Economics
 Martin Feldstein, George F. Baker Professor of Economics
 Erica M. Field, Assistant Professor of Economics
 Christopher L. Foote, Visiting Lecturer on Economics, Associate of the Department of Economics
 James E. Foster, Visiting Professor of Economics (*Vanderbilt University*) (*fall term only*)
 Richard B. Freeman, Herbert S. Ascherman Professor of Economics
 Benjamin M. Friedman, William Joseph Maier Professor of Political Economy (*on leave fall term*)
 Roland G. Fryer, Robert M. Beren Professor of Economics
 Nicola C. Fuchs-Schündeln, Assistant Professor of Economics
 Drew Fudenberg, Frederic E. Abbe Professor of Economics
 Raffaella Giacomini, Visiting Assistant Professor of Economics (*UCLA and UCL*) (*fall term only*)
 Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics
 Claudia Goldin, Henry Lee Professor of Economics
 Gita Gopinath, Assistant Professor of Economics (*on leave fall term*)
 Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
 Oliver S. Hart, Andrew E. Furer Professor of Economics



Elhanan Helpman, Galen L. Stone Professor of International Trade (*Director of Graduate Studies*)
 Keisuke Hirano, Visiting Associate Professor of Economics (*University of Arizona*) (*spring term only*)
 Rustam Ibragimov, Assistant Professor of Economics (*on leave 2008-09*)
 Guido W. Imbens, Professor of Economics (*on leave spring term*)
 Dale W. Jorgenson, Samuel W. Morris University Professor (*on leave fall term*)
 Lawrence F. Katz, Elisabeth Allison Professor of Economics
 Peter Joseph Klenow, Visiting Professor of Economics (*Stanford University*) (*fall term only*)
 Michael R. Kremer, Gates Professor of Developing Societies
 David I. Laibson, Robert I. Goldman Professor of Economics, Harvard College Professor
 Francisco De Borja Larrain, Visiting Assistant Professor of Economics (*Pontificia Universidad Católica de Chile*) (*fall term only*)
 Gregory M. Lewis, Assistant Professor of Economics
 Barton Leslie Lipman, Visiting Professor of Economics, Associate of the Department of Economics (*Boston University*) (*fall term only*)
 N. Gregory Mankiw, Robert M. Beren Professor of Economics (*on leave fall term*)
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 James L. Medoff, Meyer Kestenbaum Professor of Labor and Industry
 Jeffrey A. Miron, Senior Lecturer on Economics (*Director of Undergraduate Studies*)
 Markus M. Möbius, Associate Professor of Economics
 Julie H. Mortimer, Associate Professor of Economics
 Ulrich K. Mueller, Visiting Assistant Professor of Economics (*Princeton University*) (*fall term only*)
 Sendhil Mullainathan, Professor of Economics
 Nathan J. Nunn, Assistant Professor of Economics
 Ariel Pakes, Thomas Professor of Economics
 Christopher Keith Polk, Visiting Professor of Economics (*London School of Economics*)
 Geert Ridder, Visiting Professor of Economics (*University of Southern California*) (*spring term only*)
 Kenneth Rogoff, Thomas D. Cabot Professor of Public Policy
 Alvin E. Roth, George Gund Professor of Economics (*FAS*) and George Gund Professor of Economics and Business Administration (*Business School*)
 Matthias Schündeln, Assistant Professor of Economics and of Social Studies
 Amartya Sen, Lamont University Professor (*on leave spring term*)
 Andrei Shleifer, Professor of Economics
 Jeremy C. Stein, Moise Y. Safra Professor of Economics (*on leave spring term*)
 Lawrence H. Summers, Charles W. Eliot University Professor
 Martin L. Weitzman, Professor of Economics

Other Faculty Offering Instruction in the Department of Economics

Nava Ashraf, Assistant Professor of Business Administration (*Business School*)
 Christopher N. Avery, Roy E. Larsen Professor of Public Policy and Management (*Kennedy School*) (*on leave spring term*)
 George P. Baker, Class of 1966 Professor of Business Administration (*Business School*)



Lucian A. Bebachuk, William J. Friedman and Alicia Townsend Friedman Professor of Law, Economics, and Finance (*Law School*)
David Canning, Professor of Economics and International Health (*Public Health*)
Richard E. Caves, Nathaniel Ropes Professor of Political Economy, Emeritus
Peter A. Coles, Assistant Professor of Business Administration (*Business School*)
Mihir A. Desai, Professor of Business Administration (*Business School*)
Richard G. Frank, Margaret T. Morris Professor of Health Care Policy (*Medical School*)
Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)
Robert T. Jensen, Associate Professor of Public Policy (*Kennedy School*)
Louis E. Kaplow, Professor of Law (*Law School*)
Jerold Kayden, Frank Backus Williams Professor of Urban Planning and Design (*Design School*)
Asim I. Khwaja, Associate Professor of Public Policy (*Kennedy School*)
Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)
Jeffrey B. Liebman, Malcolm Wiener Professor of Public Policy (*Kennedy School*)
Robert C. Merton, George Fisher Baker Professor of Administration (*Business School*)
Nolan H. Miller, Associate Professor of Public Policy (*Kennedy School*)
Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Public Health*) and Professor of Health Care Policy (*Kennedy School, Medical School, Public Health*)
Rohini Pande, Mohammed Kamal Professor of Public Policy (*Kennedy School*)
Dwight H. Perkins, Harold Hitchings Burbank Research Professor of Political Economy, Emeritus
James Robinson, Professor of Government
Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
David S. Scharfstein, Edmund Cogswell Converse Professor of Finance and Banking (*Business School*)
Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
Richard Tuck, Frank G. Thomson Professor of Government
Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
Andres Velasco, Sumitomo Fasid Professor of International Development (*Kennedy School*)
Paul C. Weiler, Henry J. Friendly Professor of Law (*Law School*)
Jeffrey G. Williamson, Laird Bell Professor of Economics, Emeritus

Tutorials, Junior Seminars, and Senior Thesis Seminars in Economics

Primarily for Undergraduates

***Economics 910r. Supervised Reading and Research**

Catalog Number: 1020

Jeffrey A. Miron

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a long term paper on a topic or topics not covered by regular courses.

Note: Does not count for concentration credit and may not be taken Pass/Fail. Requires



signatures of the adviser and of the Director of Undergraduate Studies. Application available at the Economics Undergraduate Office at Littauer Center, North Yard.

***Economics 970. Tutorial — Sophomore Year**

Catalog Number: 7923

Jeffrey A. Miron

Half course (spring term). W., 2–3:30. First meeting only January 28, 2009.

A series of small seminars focusing on applications of economic theory to real problems.

Note: One term required of all Economics concentrators. Enrollment limited to concentrators.

Prerequisite: Both terms of Social Analysis 10 (or equivalent); Statistics 100, 104, or 110; Economics 1010a or 1011a and current enrollment in Economics 1010b or 1011b.

***Economics 975 (formerly *Economics 980). Tutorial — Theory Review**

Catalog Number: 3281

Jeffrey A. Miron

Half course (fall term). Tu., Th., 1–2:30.

A thorough review of intermediate microeconomics and macroeconomics.

Note: Required of and limited to concentrators who received below a B-/C+ average in the Economics 1010/1011 sequence.

Economics 980 Junior Seminars

Junior seminars are designed to introduce students to research in a particular area of economics and to prepare students to undertake their own research project. All junior seminars require a major research paper. The seminar prerequisites are intermediate microeconomic and macroeconomic theory, statistics, and concurrent enrollment in econometrics; any additional prerequisites are listed with the individual seminar. These seminars are limited to 16 participants with preference given to Economics and Applied Math/Economics concentrators in their junior year. Enrollment in these seminars is determined by a lottery based on student preferences. Other Economics concentrators and undergraduate non-concentrators with the appropriate prerequisites may enroll in junior seminars on a space-available basis.

***Economics 980a. Political Economics**

Catalog Number: 2341

Andrei Shleifer

Half course (spring term). Th., 2:30–4:30. EXAM GROUP: 16, 17

Discusses several research areas in political economy, including the origins of the state, comparative political systems, theories of economic reform, financial systems and financial crises, fiscal problems in democracies, rule of law, privatization, and regulation.

***Economics 980b. Economics of Career and Family**

Catalog Number: 1581

Claudia Goldin

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

How are the most personal choices and life transitions decided, including when and whom to marry, how many children to have, how much education to obtain, and which careers or jobs to



pursue? Much will be explored in terms of change over time, particularly concerning the economic emergence of women as well as the role of the state. Readings draw on current economic theory, empirical analyses, and historical works and literature from the 19th century to the present.

[*Economics 980e. Corporate Governance]

Catalog Number: 0331

Half course (spring term). Hours to be arranged.

This seminar investigates the different approaches to optimal governance structures of firms. We will survey current research on agency problems, the market for corporate control, executive compensation, corporate boards and tunneling.

Note: Expected to be given in 2009–10.

Prerequisite: Economics 1745 is recommended but not required.

[*Economics 980f. Economics of Social Problems]

Catalog Number: 7655

Half course (spring term). Hours to be arranged.

This course applies the tools of economics to understand key US social problems and to evaluate alternative market and government policies to address them. Issues to be studied include poverty and inequality; economics of the family; crime; neighborhood effects; low-wage labor markets; immigration; discrimination; homelessness; charitable behavior and welfare reform and other antipoverty strategies.

Note: Expected to be given in 2009–10.

***Economics 980g. Topics in Economic Development**

Catalog Number: 3368

Michael R. Kremer and Matthias Schündeln

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Recent research on economic development. Social service delivery in health and education. Industrial sector. Goal is to enable students to identify research topics in economic development, learn how to define and analyze a problem. Emphasis on modeling and econometric techniques. Topics include returns to human capital, incentives on education, school choice, health service contracting, R&D. Firm related: business environment and firm responses, industry dynamics, effect of trade, FDI on productivity, wages.

[*Economics 980h. The Industrial Organization of Health Care]

Catalog Number: 9901

Half course (spring term). Hours to be arranged.

The seminar will apply economic theory and review empirical analyses of markets in health care. Four specific areas will be examined: 1) physician behavior and markets for physician services; 2) the role of non-profit hospitals; 3) price competition in the prescription drug market; and 4) markets for health insurance.

Note: Expected to be given in 2009–10.



[*Economics 980i. Applied Econometrics]

Catalog Number: 9226

Half course (spring term). Hours to be arranged.

This course discusses statistical tools and econometric models with a focus on economic applications. Topics include panel data and time series models, forecasting, identification, measurement error, sample selection, and randomized experiments. Participants will explore problems that arise in econometric modeling and will discuss how to resolve them. The goal is to develop the ability to critically examine the economic and statistical analyses in newspaper articles and academic papers.

Note: Expected to be given in 2009–10.

Prerequisite: Economics 1123 or Economics 1126.

***Economics 980j. Europe and the US: Comparative Economic Analysis**

Catalog Number: 1892

Nicola C. Fuchs-Schündeln

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

This seminar explores differences in the economic systems, preferences, and outcomes between Europe and the US. Topics include the welfare system, taxation, labor markets, female labor force participation, fertility, preferences for redistribution, migration.

[*Economics 980k. Religion and Political Economy]

Catalog Number: 9110

Half course (fall term). Hours to be arranged.

Theory and empirical analysis of interactions between religion and political economy. Subject matter includes research by economists and sociologists of religion, beginning with Adam Smith and Max Weber and extending to modern treatments. Demand-side models encompass the role of salvation and the secularization hypothesis. Supply-side models include the religion-market model, which stresses government regulation and state religions. Influences of religious beliefs and participation on economic growth, democracy, education, fertility, etc.

Note: Expected to be given in 2009–10.

***Economics 980l. Macroeconomics & Politics**

Catalog Number: 9442

Emmanuel Farhi

Half course (fall term). W., 4–6.

Topics include the political economy of economic growth, including the roles of democracy and legal institutions; inflation, monetary policy, fiscal policy, and analyses of economic and monetary unions.

[*Economics 980m. Market Design]

Catalog Number: 7401

Half course (fall term). Hours to be arranged.

This course studies the design of organized markets, focusing on efficient organization and the



incentives created by market rules. Applications include online auction markets, government auctions of natural resources, matching markets (students to classes or schools, medical residents to hospitals, kidneys to recipients), health care markets, and electricity markets. The analysis relies on a mix of documenting the rules of real-world markets, game theoretic analysis, empirical analysis, and experimental work.

Note: Expected to be given in 2009–10.

[*Economics 980n. How Do We Fight Poverty?]

Catalog Number: 8524

Half course (fall term). Hours to be arranged.

This tutorial will examine recent debates about poverty reduction programs. It will touch upon issues such as whether economic growth is all one needs to reduce poverty, the relationship between growth and income inequality, the pros and cons of foreign aid, the role of the World Bank and IMF, whether free trade is beneficial for poor countries.

Note: Expected to be given in 2009–10.

***Economics 980o. Health, Education, and Development**

Catalog Number: 7373

Erica M. Field

Half course (fall term). Th., 2–4.

Advanced course addresses health and education issues in developing countries from the standpoint of economics, with a focus on modeling techniques and econometric methods. General topics include demographic transition, household models of production, and the role of health and educational inputs. Specific topics include: the return to education in developing countries, structural problems in delivery, education finance, health inequality, technology adoption and behavior, AIDS, and the impact of disease.

Note: A research paper is required. Concentrators may not take pass/fail.

Prerequisite: Economics 1010a (or 1011a) and 1123 (or 1126).

***Economics 980q. Economics Design Lab - (New Course)**

Catalog Number: 7220

Sendhil Mullainathan

Half course (fall term). Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

This class offers a chance for students to see how social science insights (economics, finance and psychology) can be used to design policies and products that solve important problems. Presents examples of innovative designs. Applications are in areas such as maternal mortality, development of drugs for diseases faced mainly by the poor, financing small firms, unemployment insurance, prescription drug insurance to the elderly and fighting corruption in important social programs.

Note: Each student will be asked to pick one concrete problem and craft a solution. Students with non-traditional economic backgrounds (such as psychology or engineering) are particularly encouraged to take the course.

***Economics 980r. Household Finance - (New Course)**

Catalog Number: 8996



Brigitte C. Madrian

Half course (spring term). Tu., 2–4.

This course explores the financial decisions of households. Relative to firms, households confront distinct financial challenges, including investments in assets like housing and education that are illiquid and poorly diversified, and constraints on borrowing. Specific topics include household financial literacy, the trade-off between consumption and saving, participation in financial markets and utilization of financial products (e.g., equity markets, housing markets, payday lending, credit cards), household asset allocation, insurance against household risks, and personal bankruptcy.

Economics 985 Senior Thesis Seminars

These seminars are limited to seniors writing senior honor theses. Each seminar focuses on the research topics of interest to the participants. Emphasis is placed on research design, methodological problems, literature review, and sources of data. Regular student presentations of work in progress are required. An Economics 985 seminar taken in the senior year substitutes for Economics 990, and seniors will not be allowed to enroll concurrently in both courses. All 985 seminars are limited to 16 students.

***Economics 985a. Research in Microeconomics**

Catalog Number: 7166

James A. Miron and Members of the Department

Full course. W., 2:30–4:30.

Workshop for seniors writing theses in theoretical and applied microeconomics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985c. Research in Labor Economics**

Catalog Number: 5409

Jeffrey A. Miron and Members of the Department

Full course. F., 1–3.

Workshop for seniors writing theses in labor economics and related topics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985d. Research in Economic Development**

Catalog Number: 4989

Jeffrey A. Miron and Members of the Department

Full course. W., 2–4.

Workshop for seniors writing theses in the areas of economic history and economic development, including health and population issues. Emphasis on choice of research topics, methodologies, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.



***Economics 985e. Research in Macroeconomics**

Catalog Number: 3740

Jeffrey A. Miron and Members of the Department

Full course. M., 4–6.

Workshop for seniors writing theses in the fields of monetary and fiscal policy, business cycles, and economic growth. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985f. Research in International Trade and Finance**

Catalog Number: 7157

Richard N. Cooper

Full course. M., 3–5:30.

Workshop for seniors writing theses in international trade and finance. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985g. Research in Behavioral and Experimental Economics**

Catalog Number: 2566

Christopher L. Foote

Full course. Tu., 4:30–6:30.

Workshop for seniors writing theses in behavioral and experimental economics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985h. Research in Financial Markets**

Catalog Number: 0350

Jeffrey A. Miron and Members of the Department

Full course. Fall: Th., 4–6; Spring: Th., 2–4.

Workshop for seniors writing theses in finance. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honor thesis are required. Topics include asset pricing and corporate finance.

***Economics 985k. Research in Public Economics**

Catalog Number: 0871

Jeffrey A. Miron

Full course. Th., 3–5.

Workshop for seniors writing theses in public economics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required. Topics have included taxation, health economics, environmental and resource economics, and education.



***Economics 990. Tutorial — Senior Year**

Catalog Number: 7342

Jeffrey A. Miron and members of the Department

Full course. Hours to be arranged.

Note: Students who are writing a senior thesis out of sequence (i.e., beginning in the spring) must enroll in Economics 990 in the spring and complete the course in the fall. Students must write a 25-page paper at the end of the first term of Economics 990. Students currently enrolled in Economics 985 may not enroll in Economics 990.

General Economics; Economic Theory; History of Economics

For Undergraduates and Graduates

Economics 1010a. Microeconomic Theory

Catalog Number: 1862

Jeffrey A. Miron and Laurence M. Ball

Half course (fall term). M., W., F., at 10, and a one-hour weekly section to be arranged. EXAM GROUP: 3

Focuses on the optimizing behavior of individual consumers and firms and coordination of individual decisions through markets, including the evaluation of market outcomes. Topics include: theory of the consumer, theory of the firm, decisions involving time and risk, perfect competition, monopoly and monopsony, oligopoly and game theory, markets with asymmetric information, and externalities and public goods.

Note: Economics 1010a fulfills the intermediate microeconomic theory requirement for Economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Social Analysis 10 and Mathematics 1a or their equivalents.

Economics 1010b. Macroeconomic Theory

Catalog Number: 2924

Christopher L. Foote

Half course (spring term). M., W., F., at 9, and a one-hour weekly section to be arranged. EXAM GROUP: 2

Theories and evidence on economic growth and fluctuations. Determination of gross domestic product, investment, consumption, employment, and unemployment. Analysis of interest rates, wage rates, and inflation. Roles of fiscal and monetary policies. Extensions to the international economy.

Note: Economics 1010b fulfills the intermediate macroeconomic theory requirement for Economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, knowledge of calculus at the level of Mathematics 1a is assumed.



Economics 1011a. Microeconomic Theory

Catalog Number: 7230

Edward L. Glaeser

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Economics 1011a is similar to Economics 1010a, but more mathematical and covers more material. The course teaches the basic tools of economics and to apply them to a wide range of human behavior. Tools include consumer theory, optimization under uncertainty, game theory, welfare economics, incentive theory, and the economics of information. Topics include industrial organization, public finance, law and economics, the economics of the family, religion, and riots.

Note: Economics 1011a fulfills the intermediate microeconomic theory requirement for Economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Mathematics 21a or permission of the instructor.

Economics 1011b. Macroeconomic Theory

Catalog Number: 6993

Philippe Aghion and David I. Laibson

Half course (spring term). Tu., Th., 10-11:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 12, 13

The same topics as in 1010b, but with a more mathematical approach.

Note: Economics 1011b fulfills the intermediate macroeconomic theory requirement for Economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Prerequisite: Economics 1011a, Mathematics 21a, or permission of the instructor.

Economics 1017. A Libertarian Perspective on Economic and Social Policy

Catalog Number: 1197

Jeffrey A. Miron

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Analyses the libertarian perspective on economic and social policy. This perspective differs from both liberal and conservative views, arguing for minimal government in most arenas. Policies addressed include drug prohibition, gun control, public education, abortion rights, gay marriage, income redistribution, and campaign finance regulation.

Prerequisite: Social Analysis 10a and concurrent enrollment in Social Analysis 10b.

[Economics 1018. Cultural Economics]

Catalog Number: 1775

Half course (spring term). Hours to be arranged.

Explores the importance of culture on economic outcomes, focusing on how heterogeneity of preferences affects economic choices and where those differences come from. Theoretical topics include group identity, social interactions and networks, evolutionary selection, the importance of the family. Empirical applications include international investment, savings, occupational choices, ethical norms, economic development, fertility decisions.



Note: Expected to be given in 2009–10.

Prerequisite: Economics 1010a or 1011a, and Economics 1123.

Economics 1026. The Economics of Climate Change - (New Course)

Catalog Number: 9468

Martin L. Weitzman

Half course (spring term). M., W., 1–2:30; and a weekly section F., 1-2:30. EXAM GROUP: 6, 7
Advanced upper level course. Requires strong background in economic theory, mathematics, and statistics. Develops optimal control theory and modern cost-benefit analysis. Primary application is environmental economics especially climate change.

Prerequisite: Economics 1011a, 1011b, and Statistics 100.

Economics 1030. Psychology and Economics

Catalog Number: 4709 Enrollment: Limited to 80.

David I. Laibson and Andrei Shleifer

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Psychological concepts include social preferences, impulsivity, bounded rationality, loss-aversion, over-confidence, self-serving biases, hedonics, and neuroscience. Economic concepts include arbitrage, equilibrium, rational choice, utility maximization, Bayesian beliefs, game theory. Integrates these psychological and economic concepts to understand behavioral phenomena such as portfolio choice, saving, procrastination, addiction, asset pricing, auction bidding, labor supply, cooperation, persuasion.

Prerequisite: Social Analysis 10 and knowledge of univariate calculus.

[Economics 1035. Policy Applications of Psychology and Economics]

Catalog Number: 1687 Enrollment: Limited to 30.

Half course (fall term). Hours to be arranged.

Integrates psychological with economic approaches to traditional public policy issues. International applications include public health, epidemics such as AIDS, fertility, education and psychological impacts of poverty. Domestic applications include discrimination and affirmative action, drugs, crime and unemployment.

Note: Expected to be given in 2009–10.

Prerequisite: Economics 1010a or 1011a.

Economics 1051. Introduction to Game Theory

Catalog Number: 3692

Attila Ambrus

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Presents an introduction to the modern game theory, focusing on its use in economics. Main ideas of game theory are introduced and illustrated using examples from industrial organization, labor economics, and macroeconomics.

Note: Students may not take both Economics 1051 and Economics 1052 for credit.

Prerequisite: Economics 1010a or 1011a.



Economics 1052. Advanced Game Theory

Catalog Number: 2634

Markus M. Möbius

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Introduction to game theory and its applications to economics at a high level of rigor. Topics include extensive form and strategic form games, Nash's equilibrium and existence theorem, subgame-perfect equilibrium, Bayesian equilibrium, and applications to repeated games, auctions, and bargaining.

Note: Students may not take both Economics 1051 and Economics 1052 for credit.

Prerequisite: Economics 1011a and Mathematics 21a, or equivalent.

Economics 1059. Theories of Decisionmaking in Economics - (New Course)

Catalog Number: 1322

Barton Leslie Lipman (Boston University)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to decision theory and other formal approaches for modeling decision making in economics, including both classical and psychologically-motivated approaches. Topics include uncertainty, ambiguity, temptation, and wishful thinking.

Prerequisite: Economics 1010a or 1011a and Mathematics 21a.

Economics 1060. Contracts and Organizations - (New Course)

Catalog Number: 3267

Oliver S. Hart

Half course (spring term). M., W., 2:30–4, and a weekly section to be arranged. EXAM GROUP: 7, 8

Explores theoretical and empirical work on incentive problems within and between organizations (with more emphasis on the theory). Topics include agency problems arising from moral hazard and asymmetric information, team problems, career concerns, relational contracts, incomplete contracts, boundaries of the firm, authority and delegation, financial contracting, public ownership.

Prerequisite: Economics 1010a or 1011a, Mathematics 20.

Economics 1070. Normative Economics - (New Course)

Catalog Number: 5972

Jerry R. Green

Half course (spring term). M., W., 1:00–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Voting theory, social choice, mechanism design, bargaining theory, cooperative game theory, equitable cost allocation, fair division, welfare analysis of taxation, public expenditures and risk bearing. This course offers a rigorous approach to normative economics. Students should have an interest and ability to work with abstract mathematics and axiomatic reasoning.

Prerequisite: Economics 1051 or 1052

Primarily for Graduates



Economics 2000. Seminar on the Economic Crisis - (New Course)

Catalog Number: 8423

Edward L. Glaeser and Jeremy C. Stein

Full course (spring term). Th., 4–6:30.

Economics department faculty will present their views of the causes and consequences of the current economic crisis, and outline directions for research.

Economics 2001. The Behavioral & Experimental Economics Workshop

Catalog Number: 8732

David I. Laibson, Edward L. Glaeser, Sendhil Mullainathan, and Alvin E. Roth (FAS, Business School)

Full course (indivisible). Tu., 2:30–4. EXAM GROUP: 16, 17

Presents current research in the Behavioral and Experimental Economics field.

***Economics 2010a. Economic Theory**

Catalog Number: 8656

Edward L. Glaeser and Drew Fudenberg

Half course (fall term). Tu., Th., 10–11:30, and a 90-minute weekly section to be arranged.

EXAM GROUP: 12, 13

Covers the theory of individual and group behavior. Topics include consumer theory, producer theory, behavior under uncertainty, externalities, monopolistic distortions, game theory, oligopolistic behavior, and asymmetric information.

Note: Enrollment is limited to students in the economics and business economics PhD programs.

Prerequisite: Mathematics 116 or equivalent; can be taken concurrently.

Economics 2010b. Economic Theory

Catalog Number: 8659

Oliver S. Hart and Jerry R. Green

Half course (spring term). Tu., Th., 10–11:30, and a 90-minute weekly section to be arranged.

EXAM GROUP: 12, 13

Topics include social choice theory, signaling, mechanism design, general equilibrium, the core, externalities, and public goods.

Prerequisite: Economics 2010a.

Economics 2010c. Economic Theory

Catalog Number: 4431

David I. Laibson and Emmanuel Farhi

Half course (fall term). Tu., Th., 1–2:30, and a 90-minute weekly section to be arranged. EXAM GROUP: 15, 16

Topics include discrete-time and continuous-time dynamic programming, consumption, investment, economic growth, and business cycles.

Note: Enrollment is strictly limited to PhD students in the Economics Department, Business Economics program, and PEG program. Qualified Harvard undergraduates may also enroll. No other students may take the course for credit or as auditors.

**Economics 2010d. Economic Theory**

Catalog Number: 2041

*Benjamin M. Friedman, Robert J. Barro, and Kenneth Rogoff**Half course (spring term). M., W., 10–11:30, and a 90-minute section to be arranged. EXAM GROUP: 3, 4*

A basic course in graduate macroeconomics, including models of business fluctuations, analyses of monetary and fiscal policy, and introduction to open economy macroeconomic issues.

Note: Enrollment is strictly limited to PhD students in the Economics Department, Business Economics program, and PEG program. Qualified Harvard undergraduates may also enroll. No other students may take the course for credit or as auditors.

Prerequisite: Mathematics 116 or the equivalent; can be taken concurrently.

***Economics 2020a. Microeconomic Theory I**

Catalog Number: 0339 Enrollment: Limited to 102.

*Christopher N. Avery (Kennedy School)**Half course (fall term). M., W., 8:30–10, and a weekly section to be arranged. EXAM GROUP: 1, 2*

A comprehensive course in economic theory designed for doctoral students in all parts of the University. Consumption, production, uncertainty, markets, general equilibrium. Applications to policy analysis and business decisions. Emphasizes the use of economic theory in practical research.

Note: Offered jointly with the Kennedy School as API-111 and with the Business School as 4010.

Prerequisite: Two years of calculus and one course in probability theory. Thorough background in microeconomic theory at the intermediate level. Undergraduates with the appropriate background are welcome.

***Economics 2020b. Microeconomic Theory II**

Catalog Number: 4058

*Daniel Andres Hojman (Kennedy School)**Half course (spring term). M., W., 8:30–10, and a weekly section to be arranged. EXAM GROUP: 1, 2*

A continuation of Economics 2020a. Topics include game theory, economics of information, incentive theory, and welfare economics.

Note: Offered jointly with the Kennedy School as API-112 and with the Business School as 4011.

Prerequisite: Economics 2010a or 2020a.

Economics 2030. Psychology and Economics

Catalog Number: 3828

*Sendhil Mullainathan, David I. Laibson, and Andrei Shleifer**Half course (fall term). W., 1–3. EXAM GROUP: 6, 7*

Explores economic and psychological models of human behavior. Theoretical topics include bounded rationality, intertemporal choice, decision making under uncertainty, inference, choice heuristics, and social preferences. Economic applications include asset pricing, corporate finance, macroeconomics, labor, development, and industrial organization.



Note: Primarily for graduate students but open to undergraduates.

Prerequisite: Knowledge of multivariable calculus and econometrics.

Economics 2040. Experimental Economics

Catalog Number: 8485 Enrollment: Limited to 48.

Alvin E. Roth (FAS, Business School)

Half course (spring term). F., 9–12. EXAM GROUP: 2, 3, 4

An introduction to experimental economics, and some of the major subject areas that have been addressed by laboratory experiments. We concentrate on series of experiments, to see how experiments build on one another.

Note: Open to undergraduates with permission of the instructor. Offered jointly with the Business School as 4160.

Economics 2041. Field Experiments - (New Course)

Catalog Number: 2427

Nava Ashraf (Business School)

Half course (spring term). Th., 4:15–6:45.

Students will design and run field experiments as a research methodology. Students will refine their own experimental designs and be able to run them by the end of the course, leading to an academic paper.

Note: Offered jointly with the Business School as 4430. Enrollment is limited to Doctoral students intending to run a field experiment in the near future.

Economics 2052. Game Theory I: Equilibrium Theory

Catalog Number: 3690

Drew Fudenberg

Half course (spring term). M., 4–7 pm. EXAM GROUP: 9

Equilibrium analysis and its applications. Topics vary, but typically include equilibrium refinements (sequential equilibrium), the equilibria of various classes of games (repeated games, auctions, signaling games) and the definition and application of common knowledge.

Prerequisite: Economics 2010a or permission of the instructor.

[Economics 2053. Game Theory II: Topics in Game Theory]

Catalog Number: 1898

Half course (fall term). Hours to be arranged.

Aimed at students planning to do research in game theory. Topics vary from year to year; examples include evolutionary game theory, models of learning and imitation, epistemological models, coalitional agreements, and the foundations of games of incomplete information.

Note: Expected to be given in 2009–10.

Economics 2054. Social Choice and Welfare Economics

Catalog Number: 1118

Amartya Sen and James E. Foster (Vanderbilt University) (fall term)

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

A basic course in social choice theory and its philosophical foundations. An examination of



“impossibility” results, collective rationality, domain restrictions, interpersonal comparability, and the role of rights and liberties.

Note:

Economics 2056a (formerly Economics 2056). Market Design

Catalog Number: 3634

Alvin E. Roth (FAS, Business School), and Peter A. Coles (Business School)

Half course (fall term). F., 9–12. EXAM GROUP: 2, 3, 4

Deals with the theory and practice of market design, with prominent examples drawn from auctions, labor markets, school choice, and kidney exchange.

Note: Open to undergraduates with permission of the instructors. Offered jointly with the Business School as 4150.

Prerequisite: Game theory.

Economics 2056b. Topics in Market Design - (New Course)

Catalog Number: 0402

Susan Athey and Gregory M. Lewis

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

Studies topics in market design, focusing on auctions, auction-based marketplaces and platform markets. Covers methods and results from theory, empirical work, econometrics and experiments, highlighting practical issues in real-world design.

Economics 2058. Networks and Social Capital

Catalog Number: 2872

Markus M. Möbius

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Provides a rigorous theoretical introduction into network models. Discusses the emerging empirical literature on economic and social networks. Topics include the role of networks in technological progress, buyer-supplier networks, and social capital.

[Economics 2059. Decision Theory]

Catalog Number: 3825

Half course (spring term). Hours to be arranged.

First half focuses on classical models of choice theory, formalizing the notion of rationality and exploring its behavioral implications. The second half focuses on recent research, incorporating insights from psychology and allowing for boundedly-rational agents.

Note: Expected to be given in 2009–10.

Economics 2060. Contract Theory

Catalog Number: 1404

Philippe Aghion

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

Recent developments in contract theory. Includes hidden action and hidden information models, dynamic agency issues, incomplete contracts, and applications of contract theory to theories of the firm and corporate financial structure.



[Economics 2061. Dynamic Games and Contracts]

Catalog Number: 4138

Half course (fall term). Hours to be arranged.

This course develops methods for analyzing repeated and dynamic games and contracts in environments with hidden information and moral hazard problems. Applications include collusion, bilateral trade, and mutual insurance. This course complements Economics 2415.

Note: Expected to be given in 2009–10.

[Economics 2070. Economics of Information]

Catalog Number: 5647

Half course (fall term). Hours to be arranged.

A research seminar for students considering work in economic theory. Topics include: voting theory; cooperative game theory (complete and incomplete information); models of quasi-rational behavior (reason-based choice, random choice models, complexity); general equilibrium with adverse selection.

Note: Expected to be given in 2009–10. Offered jointly with the Business School as 4165.

Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory

Catalog Number: 6576

Benjamin M. Friedman and Richard Tuck

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Offers graduate students in relevant disciplines the chance to study the historical origins of central ideas in modern economics and to discuss their philosophical character.

Prerequisite: A basic knowledge of economics is assumed.

Economics 2086. The Theory Workshop

Catalog Number: 6378

Jerry R. Green, Drew Fudenberg, Oliver S. Hart, Markus M. Möbius, and Alvin E. Roth

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

For students with an interest in economic theory. Faculty presentations by Harvard and MIT economists and invited guests. The location alternates between Harvard and MIT.

[Economics 2099. Topics in the History of Economic Thought]

Catalog Number: 9529

Half course (fall term). Hours to be arranged.

Topics covered: (1) Efficiency vs distribution as the engine of change. (2) Can socialism allocate resources efficiently without markets? (3) Was there a Keynesian revolution? (4) The transformation of self interest from vice to virtue. (5) Economics and ecology. (6) Justifications of the focus on efficiency.

Note: Expected to be given in 2009–10.

Prerequisite: Graduate-level course in microeconomic theory. Ec 2010a and b, Ec 2020a and b, or equivalent.



Econometrics and Quantitative Methods

For Undergraduates and Graduates

Economics 1123. Introduction to Econometrics

Catalog Number: 0813

Raffaella Giacomini (UCLA and UCL) (fall term) and Keisuke Hirano (University of Arizona) (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Spring: Tu., Th., 1–2:30, and a weekly section to be arranged. EXAM GROUP: Fall: 13, 14; Spring: 15, 16

An introduction to multiple regression techniques with focus on economic applications.

Discusses extensions to discrete response, panel data, and time series models, as well as issues such as omitted variables, missing data, sample selection, randomized and quasi-experiments, and instrumental variables. Aims to provide students with an understanding of and ability to apply econometric and statistical methods using computer packages.

Note: Students may take either Economics 1123 or Statistics 139 for credit. Statistics 139 will not count as econometrics requirement. Also, Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first. This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Prerequisite: Statistics 100.

Economics 1126. Quantitative Methods in Economics

Catalog Number: 4076

Geert Ridder (University of Southern California)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Topics include elements of statistical decision theory and related experimental evidence; some game theory and related experimental evidence; maximum likelihood; logit, normal, probit, and ordered probit regression models; panel data models with random effects; omitted variable bias and random assignment; incidental parameters and conditional likelihood; demand and supply.

Note: Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first. This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Prerequisite: Statistics 100 or preferably 110; Mathematics 20.

Economics 1127. Statistical Methods for Evaluating Causal Effects

Catalog Number: 9967 Enrollment:

Donald B. Rubin

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Statistical methods discussed for inferring causal effects from data from randomized experiments or observational studies. Students will develop expertise to assess the credibility of causal claims and the ability to apply the relevant statistical methods for causal analyses. Examples will come from many disciplines: economics, education, other social sciences, epidemiology, and biomedical science. Evaluations of job training programs, educational voucher schemes, changes in laws such as minimum wage laws, medical treatments, smoking, military service.



Note: Students may not take both Economics 1127 and Statistics 186 for credit.

Prerequisite: Statistics 100 or preferably Statistics 111; Mathematics 20.

Cross-listed Courses

[Statistics 100. Introduction to Quantitative Methods for the Social Sciences and Humanities](#)

[Statistics 104. Introduction to Quantitative Methods for Economics](#)

[Statistics 110. Introduction to Probability](#)

Primarily for Graduates

[Economics 2110. Introductory Probability and Statistics for Economists](#)

Catalog Number: 7213

Ulrich K. Mueller (Princeton University)

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Introduction to probability and statistics. Emphasis on general methods applicable to both econometrics and economic theory. Topics include probability spaces, random variables, limit laws, estimation, hypothesis testing, and Bayesian methods.

Prerequisite: Statistics (Stat 100), Linear Algebra and Calculus (Math 21a and 21b), and Real Analysis (Math 112).

[Economics 2120. Introduction to Applied Econometrics](#)

Catalog Number: 2352

Dale W. Jorgenson

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to methods employed in applied econometrics, including linear regression, instrumental variables, panel data techniques, generalized method of moments, and maximum likelihood. Includes detailed discussion of papers in applied econometrics and computer exercises using standard econometric packages.

Note: Enrollment limited to PhD candidates in economics, business economics, health policy, public policy, and political economy and government (PEG).

Prerequisite: Economics 2110 or equivalent.

[Economics 2130. Applied Econometrics]

Catalog Number: 2211

Half course (spring term). Hours to be arranged.

Advanced methods in applied econometrics, including nonlinear regression, discrete and limited dependent variables, models of selection, and stationary and non-stationary time series. Includes detailed discussion of empirical applications.

Note: Expected to be given in 2009–10. Students complete a short research project in applied econometrics.

Prerequisite: Economics 2120 or equivalent.

[Economics 2140. Econometric Methods](#)

Catalog Number: 7210



Guido W. Imbens

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Econometric methods for cross-section and panel data. Topics include generalized method of moments, empirical likelihood, instrumental variables, bootstrapping, clustering, treatment effects, selection bias, difference-in-differences, qualitative choice, quantile regression, nonparametric methods, and semiparametric methods.

Prerequisite: Economics 2120 or equivalent.

Economics 2142. Time Series Analysis

Catalog Number: 4414

James H. Stock

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A survey of modern time series econometrics. Topics include univariate models, vector autoregressions, linear and nonlinear filtering, frequency domain methods, unit roots, structural breaks, empirical process theory asymptotics, forecasting, and applications to macroeconomics and finance.

Economics 2144. Advanced Applied Econometrics

Catalog Number: 7686

Ariel Pakes

Half course (spring term). M., W., 12:30–2. EXAM GROUP: 5, 6

An introduction to the theory and application of recently developed econometric techniques used in advanced applied work. Simulation techniques, estimation subject to inequality restrictions, as well as semiparametric and nonparametric tools will be studied in a variety of empirical contexts.

Economics 2149. Computational Economics

Catalog Number: 7236

Ulrich Doraszelski

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Graduate introduction to computational approaches for solving economic models. Formulate economic problems in computationally tractable form and use techniques from numerical analysis to solve them. Examples of computational techniques in the current economics literature will be examined.

Economics 2162. The Econometrics Workshop

Catalog Number: 2372

James H. Stock, Alberto Abadie (Kennedy School), Guido W. Imbens (fall term), and Dale W. Jorgenson (spring term)

Full course. Th., 4:30–6. EXAM GROUP: 18

Current research topics in theory and applications of econometrics.

Cross-listed Courses

Economic History; Development Economics

For Undergraduates and Graduates



Economics 1320. The Latin American Economy

Catalog Number: 2454

Beatriz Armendariz

Half course (fall term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM GROUP: 13, 14

Economic analysis of historical episodes that have shaped recent development strategies in the region. Focuses on the determinants of growth and income inequality, volatile financial markets, and rapid urbanization. Analyzes country-specific experiences to evaluate stabilization, trade, regulation, poverty alleviation, and environmental policies.

Prerequisite: Economics 1010a or 1011a. Prior knowledge of economic development and international finance would be an advantage.

[Economics 1341. The Historical Origins of Middle Eastern Development] - (New Course)

Catalog Number: 9328

Eric Chaney

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Middle Eastern countries enjoyed world economic leadership during the Middle Ages, and continue to play an important role in the world economy. This course will explore the historical development of Middle Eastern economies. Topics include the effects of colonialism, natural resource endowments and religion on economic growth. The course will emphasize how these and other historical factors continue to influence development prospects in the region today.

Note: Expected to be given in 2009–10.

Prerequisite: Social Analysis 10

[Economics 1389. The Economics of Health and Development]

Catalog Number: 1900

Half course (spring term). Hours to be arranged.

Examines health issues in developing countries from the standpoint of economics, with focus on applied microeconomic research and econometric methods. Specific topics include private and social returns to health, the effect of health on growth and development, gender differences in health, structural problems in delivery, health finance, technology adoption and behavioral change, infant mortality, worms, AIDS, malaria, and the long-run impact of disease. For each topic, special attention is paid to the identifying causal effects that inform the design of public policies, and contrast the lessons learnt from this approach to those obtained from observational studies.

Note: Expected to be given in 2009–10. Offered jointly with the Kennedy School as PED-318.

Prerequisite: Economics 1010a (or 1011a) and 1123 (or 1126).

Economics 1390. Microfinance: Theory and Practice

Catalog Number: 5115 Enrollment: Limited to 80.

Beatriz Armendariz

Half course (fall term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

A course which has multidimensional implications on current poverty reduction efforts. How can microfinance overcome credit rationing for the poor and be profitable? How can one measure its



potential impact on poverty reduction? Covers detailed case studies of non-profit and for-profit microfinance enterprises.

Prerequisite: Economics 1011a and 1123.

Economics 1391. Distribution and Development

Catalog Number: 4876

James E. Foster (Vanderbilt University)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Provides a focused discussion on the distributional impacts of economic development. Begins with a unifying theory for inequality, poverty and well being evaluation and reviews empirical evidence on global and national distributions. Surveys development models with distributional impacts and evaluates specific development policies and programs with distributional goals, such as contingent cash transfer, microcredit, comprehensive early education, and private sector "bottom of the pyramid" initiatives.

Prerequisite: Economics 1010a or 1011a

Economics 1393. Poverty and Development

Catalog Number: 6516

Nathan J. Nunn

Half course (spring term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Studies the relationship between economic growth, poverty, and income distribution. Discusses how globalization affects poverty and inequality. Studies the main theories of economic growth and the main potential sources of economic development, from physical capital accumulation, to education, to technology, to the role of government. Discusses various global issues such as public global health (e.g., the impact of malaria and AIDS on Africa), corruption and institutions, natural resources, the environment, international donor institutions, and population growth.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Cross-listed Courses

[Government 1197. The Political Economy of Africa]

[History 1921 (formerly History 1961). International Financial History, 1700 to the Present]

Primarily for Graduates

Economics 2327. Economic Development: Theory, Policy, and Evidence

Catalog Number: 8092

Dani Rodrik (Kennedy School) and Rohini Pande (Kennedy School)

Half course (spring term). M., W., 10:10–11:30; F., 1:10–2:30. EXAM GROUP: 99

Provides a graduate-level overview of the theory of and evidence on economic development from a policy-oriented perspective. Aim is to allow students to analyze policy debates surrounding development from a broad and rigorous analytical base.

Note: Offered jointly with the Kennedy School as PED-101.



Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis

Catalog Number: 9475

James Robinson

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Overview and analysis of comparative economic development during the last half millennia. Examines the emergence of modern economic growth in Europe after 1500, and the forces that led to the great divergence in prosperity in the 19th century. Also considered: colonialism, communism, fascism, and revolution.

Economics 2330. History and Human Capital - (New Course)

Catalog Number: 2588

Claudia Goldin and Lawrence F. Katz

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Explores a range of subjects concerning human capital, historically and comparatively. Topics include fertility, mortality, health, immigration, women's work, child labor, retirement, education, inequality, slavery, unionization, and governmental regulation of labor, all within the broader context of economic history.

Note: Satisfies the graduate distribution requirement. Open to undergraduates on a limited basis with permission of instructor.

[Economics 2333. Historical Perspectives on Current Economic Issues]

Catalog Number: 6800

Half course (spring term). Hours to be arranged.

Comparative economic history emphasizing the sources of economic growth. Subjects include labor systems, population change, migration, technology, industrialization, market integration, education, government, inequality, and the Great Depression. Each topic is motivated by a current concern.

Note: Expected to be given in 2009–10. Satisfies the graduate distribution requirement. Open to undergraduates on a limited basis with permission of instructor.

Economics 2339. The Economic History Workshop

Catalog Number: 8183

Claudia Goldin, Eric Chaney, Stanley L. Engerman (spring term), and James Robinson

Full course. F., 2–4. EXAM GROUP: 7, 8

Intended for students writing dissertations related to economic history themes and/or methodology and for others with interests in economic history. Discusses research papers presented by scholars at Harvard and elsewhere.

Economics 2350. Workshop in Religion, Political Economy, and Society

Catalog Number: 0815

Robert J. Barro, Edward L. Glaeser, Asim I. Khwaja (Kennedy School), and Rachel M. McCleary

Half course (fall term; repeated spring term). Th., 12:30–2. EXAM GROUP: 14, 15

Topics on the interplay between religion and the social sciences.



Economics 2390b. Development Economics I: Microeconomic Issues

Catalog Number: 2990

Sendhil Mullainathan

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Topics include agricultural issues such as peasant behavior, land tenancy, interlinked markets; credit and insurance market problems and institutions; health, nutrition, and productivity; gender bias; education; and technology adoption.

Economics 2390c. Development Economics II: Macroeconomic Issues

Catalog Number: 0388

Michael R. Kremer

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Topics include aggregative and non-aggregative growth models, growth and development accounting, models of technology diffusion and choice, the role of finance and foreign aid in the growth process, the role of trade, immigration, and population growth.

Economics 2390d. The Economic Growth and Development Workshop

Catalog Number: 1926

Michael R. Kremer, Philippe Aghion, Erica M. Field, Robert T. Jensen (Kennedy School), Asim I. Khwaja (Kennedy School), Sendhil Mullainathan, Nathan J. Nunn, and Matthias Schündeln

Full course. Fall: Tu., 2:30–4; Spring: W., 2:30–4. EXAM GROUP: Fall: 16, 17; Spring: 7, 8

Fall speakers cover issues in growth and development. Spring speakers alternate between “growth and institutions,” focusing on the macro aspects of growth and development, and “labor and development,” focusing on the micro aspects.

Monetary and Fiscal Theory and Policy; Public Sector Economics

For Undergraduates and Graduates

[Economics 1400. The Contents of Globalization: Issues, Actors, and Decisions]

Catalog Number: 5906

Lawrence H. Summers and Lant Pritchett (Kennedy School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Course will cover the economics and politics of globalization across an array of topics: international trade, development assistance, international financial flows, global warming, immigration/labor mobility, foreign investment. Within each topic we will discuss three elements: what are the important issues, illuminating the economic analytics crucial to understanding the topic; who plays a role in each of the issues to understand the motivations and constraints facing the actors engaged in globalization.

Note: Expected to be given in 2009–10. Jointly offered with the Kennedy School as ITF-225.

This course, when taken for a letter grade, meets the Core requirement for Social Analysis. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World.

Economics 1410. Public Sector Economics

Catalog Number: 6136



Martin Feldstein, Mihir A. Desai (Business School), and Alexander Michael Gelber
Half course (spring term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2

An economic analysis of taxation and government spending. Fundamental principles of taxation are developed and applied to current issues of tax policy. Discussion of government spending focuses on issues of health, education, and social security.

Note: Offered jointly with the Kennedy School as API-125.

Prerequisite: Economics 1010a or 1011a or permission of instructor.

Economics 1420. American Economic Policy

Catalog Number: 8110

Martin Feldstein, Katherine Baicker (Public Health), Robert Z. Lawrence (Kennedy School), and Robert N. Stavins (Kennedy School)

Half course (spring term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Analyzes major issues in American economic policy including taxation, Social Security, welfare reform, budget policy, monetary and fiscal policy, and exchange rate management. Current economic issues and policy options discussed in detail and in the context of current academic thinking.

Note: Offered jointly with the Kennedy School as API-126.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

Economics 1430. Macroeconomics and Politics

Catalog Number: 5549

Robert J. Barro

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Topics include the political economy of economic growth, including the roles of democracy and legal institutions; inflation, monetary policy, and fiscal policy; interplay between religion and political economy; and analyses of economic and monetary unions.

Prerequisite: Economics 1010b or 1011b, or permission of the instructor.

Economics 1460. Economics of Health Care Policy

Catalog Number: 4540

Joseph P. Newhouse (Kennedy School, Medical School, Public Health)

Half course (spring term). M., W., 8:40–10. EXAM GROUP: 1, 2

Policy issues related to the following: the demand for medical care services, especially as a function of insurance; the demand for insurance and issues of selection; reimbursement policies of Medicare and other payers toward health plans, hospitals, and physicians; effects of health maintenance organizations and managed care; and malpractice and tort reform. Focus on federal policy, although state and local perspectives will receive some attention.

Note: Students may not take both Economics 1460 and Quantitative Reasoning 24: Health Economics and Policy for credit. Offered jointly with the Kennedy School as HCP-272.

Prerequisite: Economics 1010a or 1011a. A statistics course is highly desirable.

[Economics 1480. Moral Perspectives on Economic Growth]

Catalog Number: 3441 Enrollment: Limited to 20.



Half course (fall term). Hours to be arranged.

Considers economic growth and policies that either promote or impede economic growth, from a social, political, and moral perspective. Focuses on ways in which moral ideas, including religious ideas, have influenced economic thinking, and vice versa. Approaches include economic, historical, and literary analyses.

Note: Expected to be given in 2009–10.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Cross-listed Courses

Primarily for Graduates

Economics 2410a. Topics in Macroeconomics - (New Course)

Catalog Number: 7072

Laurence M. Ball

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

This course addresses applied issues in macroeconomics, especially topics related to inflation and monetary policy. Specific topics include theoretical and empirical work on the Phillips curve, measuring the effects of monetary policy, and optimal policy rules. The course is a mix of lectures, discussions, and student presentations.

Economics 2410b. Advanced Topics in Fluctuations and Growth - (New Course)

Catalog Number: 1683

Peter Joseph Klenow (Stanford University)

Half course (fall term). M., W., 10:30–12. EXAM GROUP: 3, 4

Empirical growth and development (2/3), plus sticky-price models and evidence (1/3).

Note: Students will be expected to make at least two presentations, one from a paper on the syllabus and one a research proposal

[Economics 2410c. Advanced Topics in Macroeconomics]

Catalog Number: 1746

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Note: Expected to be given in 2009–10.

[Economics 2410d. Aggregate Implications of Household and Firm Behavior]

Catalog Number: 9772

Half course (spring term). Hours to be arranged.

Deals with microeconomic foundations of macroeconomics. Covers a variety of topics, including consumption, wealth holdings, investment, and unemployment. Studies theory as well as empirical evidence.

Note: Expected to be given in 2009–10.



[Economics 2410e. Economic Growth]

Catalog Number: 0681

Half course (fall term). Hours to be arranged.

Covers a variety of advanced topics in economic growth and development, including the roles of factor accumulation, differences in productivity, technology adoption and technology diffusion, institutions and politics, culture and social capital.

Note: Expected to be given in 2009–10.

[Economics 2410g. Political Economics]

Catalog Number: 6758

Half course (fall term). Hours to be arranged.

Discusses several research areas in political economy, including the origins of the state, comparative political systems, theories of economic reform, fiscal problems in democracies, rule of law, privatization, regulation, and elections and the economy.

Note: Expected to be given in 2009–10.

[Economics 2415. Theory of Optimal Policy]

Catalog Number: 2855

Half course (spring term). Hours to be arranged.

Theory of optimal taxation: static and dynamic models; taxation; Ramsey and Mirrlees approaches; theory of social insurance. Macroeconomic approach to optimal policy includes fiscal and monetary policy over time and business cycles, time-consistency problems.

Note: Expected to be given in 2009–10.

Economics 2420. Monetary and Fiscal Policy Seminar

Catalog Number: 5946

N. Gregory Mankiw, Philippe Aghion, Emmanuel Farhi, and Nicola C. Fuchs-Schündeln

Full course. M., 2–4. EXAM GROUP: 7, 8

Seminar speakers present papers on macroeconomic topics, including issues relating to monetary and fiscal policies, economic growth, the role of institutions, and other research issues in the field.

Economics 2450a. Public Economics and Fiscal Policy I

Catalog Number: 1339

Jeffrey B. Liebman (Kennedy School) and David M. Cutler

Half course (fall term). F., 1–3. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Topics include tax incidence, optimal tax theory, public goods and externalities, and empirical analysis of responses to taxation.

Economics 2450b. Public Economics and Fiscal Policy II

Catalog Number: 6478

Martin Feldstein and Nadarajan Chetty



Half course (spring term). M., W., (F.), 11:30–1. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Special topics include taxes and corporate finance, social insurance and fiscal policy, including social security and health care.

Economics 2458. Topics in Health Economics - (New Course)

Catalog Number: 1146

Thomas G. McGuire (Medical School)

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

This course covers theoretical, empirical and policy research on health insurance, hospitals, physicians and managed care plans. Emphasis is on study of patient and provider behavior, response to insurance and payment incentives, and design of optimal payment and quality reporting mechanisms.

Prerequisite: Economics 2010a and 2010b or Economics 2020a and 2020b

Economics 2460. Health Economics Workshop

Catalog Number: 7617

David M. Cutler and Joseph P. Newhouse (Kennedy School, Medical School, Public Health)

Half course (spring term). Tu., 6–8 pm. EXAM GROUP: 18

Focuses on theory, econometric models, and public policy of health care. Frontier work in health economics presented and discussed by instructors and outside speakers.

Note: May be taken for credit only by dissertation students writing a research paper. Offered jointly with the Kennedy School as HCP-581.

[Economics 2470. Law and Economics]

Catalog Number: 5995

Half course (spring term). Hours to be arranged.

Emphasizes themes relating different subjects in the field and analyzes topics that illustrate those themes. Besides issues such as torts, property, litigation, and law enforcement, will also focus on judicial decision-making and cross-country comparisons of the effects of laws and legal systems.

Note: Expected to be given in 2009–10. Offered jointly with the Law School as 96203-31.

Economics 2480. The Public Economics and Fiscal Policy Workshop

Catalog Number: 6834

David M. Cutler and Martin Feldstein

Full course. M., 4–6. EXAM GROUP: 9

Focuses on current issues in the theory and practice of public finance, including both tax and expenditure policies.

***Economics 2490. The Economics of National Security Seminar**

Catalog Number: 9061

Martin Feldstein

Half course (spring term). Tu., 6–9 p.m.

Considers a range of issues relating to national security, including bioterrorism, the market for nuclear weapons, the defense industry, the dependence on imported oil, intelligence, sanctions,



etc.

Note: Speakers will be both experts with experience in this field and economists doing research on these issues. Seminar participants will be economics department faculty and selected graduate students.

International Economics

For Undergraduates and Graduates

Economics 1530. International Monetary Economics

Catalog Number: 2269

Richard N. Cooper

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

The theory of exchange rate determination, capital markets, and macroeconomic policy in the open economy. Applications to such issues as the history of international monetary regimes, international policy coordination, debt crises, and the formation of currency unions.

Note: May not be taken for credit with Economics 1531

Prerequisite: Social Analysis 10.

Economics 1531. Economics of International Financial Policy

Catalog Number: 7018

Jeffrey A. Frankel (Kennedy School)

Half course (spring term). M., W., 2:40–4; and review section F., 11:40–1:00. EXAM GROUP: 99

This course examines the macroeconomics of open economies. It covers models appropriate to major industrialized countries. Topics include the foreign exchange market, devaluation, and import and export elasticities; simultaneous determination of the trade balance, national income, balance of payments, money flows, and price levels; capital flows and our increasingly integrated financial markets; monetary and fiscal policy in open economies; international macroeconomic interdependence; supply relationships and monetary policy targets; exchange rate determination; and international portfolio diversification.

Note: Offered jointly with the Kennedy School as ITF-220. May not be taken for credit with Economics 1530.

Prerequisite: Economics 1010/1011. Knowledge of international trade theory and econometric techniques is also desirable, but not essential. Students must be very comfortable with algebra.

Economics 1535. International Trade and Investment

Catalog Number: 2557

Pol Antràs

Half course (fall term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Analyzes the causes and consequences of international trade and investment. Focuses on the interplay of economic theory and empirical descriptions of foreign trade and direct investment patterns.

Prerequisite: Economics 1010a or 1011a.



Economics 1542. International Trade Policy

Catalog Number: 2613

Elhanan Helpman

Half course (fall term). M., W., 2–3:30; and a weekly section to be arranged. EXAM GROUP: 7, 8

Provides a discussion of the economic impacts of international trade policies and the political economy of trade policy formation. The course will focus on analytical methods and therefore requires knowledge of calculus.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

Economics 1545. International Financial and Macroeconomic Policy

Catalog Number: 5166 Enrollment: Limited to 30.

Kenneth Rogoff

Half course (spring term). M., W., 2:30–4, and a weekly section to be arranged. EXAM GROUP: 7, 8

Advanced theoretical and empirical analysis of contemporary international macroeconomic policy issues in both industrialized and developing economies. Topics include exchange rates, international capital flows, debt crises, growth, and policy coordination.

Prerequisite: Economics 1010b or 1011b.

Primarily for Graduates

Economics 2530a. International Trade

Catalog Number: 4537

Elhanan Helpman

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Provides a broad overview of theory and evidence concerning international trade, direct foreign investment, and trade policy.

Note: Strongly recommended as preparation for Economics 2530b. Open to undergraduates only with permission of instructor.

Prerequisite: Economics 2010a and 2010b.

Economics 2530b. International Finance

Catalog Number: 7144

Gita Gopinath

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Financial aspects of growth and income determination in open economies. Topics include international business cycle, monetary and exchange rate regimes, capital flows, and current issues in international macroeconomic policy.

Prerequisite: Economics 2530a provides extremely useful background.

Economics 2535. Advanced Topics in International Trade

Catalog Number: 6410

Pol Antràs and Nathan J. Nunn

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Covers advanced theoretical and empirical topics concerning the determinants of world trade



patterns.

Prerequisite: Economics 2530a or permission of instructor.

Economics 2537. International Trade Policy: Issues and Analysis

Catalog Number: 1699

Dani Rodrik (Kennedy School)

Half course (fall term). M., W., 10–11:30, and a review session F, 8:30-10. EXAM GROUP: 3, 4

Develops expertise with economic models used for the analysis of international trade policies.

Focuses on theoretical and empirical work relating to trade patterns, income distribution, growth, development, industrial policy, political economy, and the WTO.

Note: Students are expected to make presentations and write a research paper. Offered jointly with the Kennedy School as ITF-345.

Prerequisite: Graduate level microeconomics and econometrics.

Economics 2540. The International Economics Workshop

Catalog Number: 4008

Kenneth Rogoff and members of the department.

Full course. W., 4–6. EXAM GROUP: 9

Research papers in all aspects of international economics, including theory, econometrics, and policy.

Industrial Organization and Regulation; Environmental Economics

For Undergraduates and Graduates

[Economics 1600. Industrial Organization]

Catalog Number: 2584

Half course (fall term). Hours to be arranged.

Analysis of imperfectly competitive markets, focusing on the interactions between firm behavior, market structure, and market outcomes. Topics include oligopoly, collusion, firm entry, advertising, new product development, and price discrimination as well as public policy implications of market behavior.

Note: Expected to be given in 2009–10.

Prerequisite: Social Analysis 10 and Mathematics 1a.

Economics 1640. Industrial Organization: Theory and Applications

Catalog Number: 7875 Enrollment: Limited to 30.

Julie H. Mortimer

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Theoretical and empirical analysis of contemporary topics in industrial organization. Uses economic theory to analyze important issues facing firms, and examines the practical challenges of empirical applications of theory. Topics include horizontal relationships and mergers, vertical integration and control through contractual arrangements, price discrimination, information and search costs, innovation and intellectual property rights, and network externalities. Each topic combines theoretical analysis with a study of actual firm behavior.



Note: Students may not take both Economics 1640 and Economics 1641 for credit.

Prerequisite: Economics 1010a or 1011a.

Economics 1641. Industrial Organization: Theory and Practice

Catalog Number: 9099 Enrollment: Limited to 30.

Ulrich Doraszelski

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Theoretical and empirical analysis of contemporary topics in industrial organization. Uses economic theory to analyze important issues facing firms, and examines the practical challenges of empirical applications of theory. Topics include horizontal relationships and mergers, vertical integration and control through contractual arrangements, price discrimination, information and search costs, innovation and intellectual property rights, and network externalities. Each topic combines theoretical analysis with a study of actual firm behavior.

Note: Students may not take both Economics 1640 and Economics 1641 for credit.

Prerequisite: Economics 1010a or 1011a.

Economics 1642. Advanced Industrial Organization - (New Course)

Catalog Number: 9613

Gregory M. Lewis

Half course (spring term). M., W., 1-2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Theory and modern empirical techniques in industrial organization. Topics may include static analysis and estimation of market equilibrium; dynamic models of entry and investment; price discrimination, collusion, mergers and vertical control, with applications to antitrust policy; and issues in auctions and market design.

Note: This is a hands-on course, and students will be expected to use Stata or other statistical software to perform data analysis.

Prerequisite: Economics 1010a or 1011a; Economics 1123 or 1126

Economics 1645. Bounded Rationality in Industrial Organization - (New Course)

Catalog Number: 1195

Ignacio Esponda (New York University)

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Studies the impact of cognitive constraints on markets. Focusing on three aspects of individuals' bounded rationality: (i) rules of thumbs in the face of complex decision problems, (ii) poor ability to predict future tastes, and (iii) framing effects. Some IO topics covered include: technology adoption, sales, price dispersion, obfuscation, add-on pricing, internet pricing, and performance standards. We discuss the empirical evidence, study the theoretical framework, consider alternative explanations, and discuss policy implications.

Prerequisite: Economics 1010a or 1011a and 1123 (or equivalents). Familiarity with both microeconomic theory and applied econometrics is strongly recommended. Previous courses in industrial organization and psychology and economics are beneficial, but not necessary.

Economics 1661. Environmental and Resource Economics and Policy

Catalog Number: 2115

Robert N. Stavins (Kennedy School)



Half course (spring term). M., W., 1–2:30; with optional review section F., 1–2:30. EXAM GROUP: 6, 7

Provides an economic survey of environmental and natural resource policy. Combines lectures on conceptual and methodological topics with examinations of public policy issues. Topics include principles of environmental and resource economics, nonrenewable resources (minerals and energy), renewable resources (fisheries), air pollution (stationary and mobile sources, acid rain, and global climate change), and sustainable development and political aspects of environmental policy.

Note: Offered jointly with the Kennedy School as API-135.

Prerequisite: Social Analysis 10 or permission of instructor.

Primarily for Graduates

Economics 2610. Industrial Organization I

Catalog Number: 3766

Ariel Pakes

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Applied work in industrial organization. Static analysis (theory, estimation): demand systems, cost functions, and game theoretic concepts of equilibrium and their application. Dynamic analysis (theory, computation, estimation): single agent problems, dynamic games and their application.

Economics 2611. Industrial Organization II

Catalog Number: 2302

Julie H. Mortimer

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Application of industrial organization to problems of public policy. Applied analysis of antitrust policy, network industries, vertical relationships, auctions, and other topics depending on interest.

Note: Students are urged to take Economics 2610 before Economics 2611.

***Economics 2640hf. The Industrial Organization Workshop**

Catalog Number: 5981

Julie H. Mortimer, Susan Athey (spring term), Ulrich Doraszelski, Ignacio Esponda (New York University), Gregory M. Lewis, and Ariel Pakes

Half course (throughout the year). M., 2:30–4. EXAM GROUP: 7, 8

Economics 2665. The Economics of Organizations Workshop

Catalog Number: 9819

Oliver S. Hart and George P. Baker (Business School)

Half course (fall term; repeated spring term). Th., 2:30–4. EXAM GROUP: 16, 17

Note: Offered jointly with the Business School as 4230.

Economics 2670. Organizational Economics

Catalog Number: 6913

George P. Baker (Business School)



Half course (spring term). M., W., 10:30–12. EXAM GROUP: 3, 4

Theoretical and empirical work on organizations. Topics include agency problems inside organizations, boundaries of the firm, relational contracting, authority, hierarchies, delegation, decentralization, and nonstandard organizational arrangements (including joint ventures, venture capital, and public ownership).

Note: Offered jointly with the Business School as 4180.

Prerequisite: Economics 2020.

Economics 2680. Environmental and Natural Resource Economics

Catalog Number: 6529

Martin L. Weitzman

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Basic theory and models, including externalities, common property, instruments for controlling pollution. Applications of optimal control theory to renewable and non-renewable resources. Analysis of cost-benefit, discounting, uncertainty, environmental accounting, “sustainability,” and biodiversity preservation.

Prerequisite: Graduate price theory at level of 2010 or 2020.

***Economics 2690hf. Environmental Economics and Policy Seminar**

Catalog Number: 4324

Robert N. Stavins (Kennedy School) and Martin L. Weitzman

Half course (throughout the year). W., 4–5:30. EXAM GROUP: 9

Selected topics in environmental and resource economics. Emphasizes theoretical models, quantitative empirical analysis, and public policy applications. Includes invited outside speakers.

Note: Primarily for graduate students in economics or related fields with environmental interests. Offered jointly with the Kennedy School as API-905.

Prerequisite: Graduate-level course in microeconomic theory.

Financial Economics

For Undergraduates and Graduates

Economics 1723. Capital Markets

Catalog Number: 1917

Christopher Keith Polk (London School of Economics)

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

An introduction to the economic analysis of investment decisions and financial markets. Concepts include time discounting, market efficiency, risk, and arbitrage. These concepts are applied to fixed-income securities, equities, and derivative securities.

Prerequisite: Mathematics 20 and Economics 1010a or 1011a.

Economics 1745. Corporate Finance

Catalog Number: 5889

Francisco De Borja Larrain (Pontificia Universidad Católica de Chile)

Half course (fall term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6,



7

Introduction to corporate finance, including capital budgeting, capital structure of firms, dividend policy, corporate governance, and takeovers.

Prerequisite: Economics 1010a or 1011a, Mathematics 20, and Statistics 100.

Economics 1760 (Topics in Financial Economics). Behavioral Finance

Catalog Number: 4594

Owen A. Lamont

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Theory and empirical evidence on selected questions in financial economics, with an emphasis on current research. Topics include behavioral finance, market efficiency, and corporate investment and financing decisions.

Prerequisite: Economics 1723.

Primarily For Graduates

Economics 2723. Asset Pricing I

Catalog Number: 2847

Christopher Keith Polk (London School of Economics)

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to financial economics emphasizing discrete-time models and empirical applications. Reviews basic asset pricing theory. Discusses empirical topics including predictability of stock and bond returns, the equity premium puzzle, and intertemporal equilibrium models.

Note: Offered jointly with the Business School as 4209.

Prerequisite: Economics 2010a or 2020a, or permission of instructor.

[Economics 2724. Finance Theory in Continuous Time]

Catalog Number: 2614

Robert C. Merton (Business School)

Half course (spring term). M., 2:30–6. EXAM GROUP: 7, 8, 9

Synthesis of finance theory from the perspective of continuous-time analysis covering individual financial behavior, financial markets and intermediaries, corporate finance, governmental and macro finance in an uncertain environment.

Note: Expected to be given in 2009–10. Offered jointly with the Business School as 4256.

Prerequisite: At least one finance course including capital markets; elementary probability and statistics; multi-variate calculus; matrix algebra.

Economics 2725. Corporate Finance

Catalog Number: 1427

Efraim Benmelech and David S. Scharfstein (Business School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Theory and empirical evidence on capital structure, dividends, investment policy, and managerial incentives. Topics include banking, corporate governance, and mergers.

Note: Offered jointly with the Business School as 4223.

Prerequisite: Economics 2060.



[Economics 2726. Theoretical and Empirical Perspective on Entrepreneurship: Economics and Finance]

Catalog Number: 4451

Joshua Lerner (Business School) and William Robert Kerr

Half course (spring term). Th., 2:30–5:30. EXAM GROUP: 16, 17, 18

Entrepreneurship is a complex phenomenon that has attracted little academic attention. This course explores the emerging work in this area. Students taking the course for credit will be expected to complete two referee reports and a paper.

Note: Expected to be given in 2009–10. Jointly listed with the Business School as 4350

Economics 2727. Empirical Methods in Corporate Finance

Catalog Number: 9055

Joshua Lerner (Business School) and Paul Gompers (Business School)

Half course (spring term). Th., 2:30–5:30. EXAM GROUP: 16, 17, 18

Examines empirical research in corporate finance. Covers empirical research methodology, financial institutions, and financial policy. Major emphasis is on how to do well-executed and persuasive research in corporate finance.

Note: Structured to minimize overlap with Economics 2725. Seminar format; students write referee reports and a research paper. Jointly listed with the Business School as 4220.

Economics 2728. Behavioral Finance

Catalog Number: 8633

Owen A. Lamont

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Deals with theoretical and empirical approaches to the study of financial markets using psychological or behavioral ideas. Topics include limited arbitrage, predictability of security returns, and trading volume.

***Economics 2770hf. The Financial Economics Workshop**

Catalog Number: 1379

Efraim Benmelech (spring term), Jeremy C. Stein (fall term), and Owen A. Lamont (spring term)

Half course (throughout the year). W., 4–5:30. EXAM GROUP: 9

Cross-Listed Courses

Labor, Human Resources, and Income Distribution; Urban Economics

For Undergraduates and Graduates

[Economics 1812. The US Labor Market]

Catalog Number: 0421

James L. Medoff

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Presents the tools employed in research on the operation of the labor market and then uses them to discuss issues such as the determinants of earnings differentials, the impact of various firm characteristics on labor-market outcomes, discrimination, and unemployment.



Note: Expected to be given in 2009–10.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

[Economics 1813. The Indebted Society]

Catalog Number: 6957

James L. Medoff

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

In recent years, the US economy has entered an unprecedented era of dependence on debt by governments, corporations and households. A massive debt overhang permeates our economy, casting a shadow over government, corporate and household finance and shaping decision-making processes for all of these actors. This course examines both causes and effects of this penchant for debt, utilizing a multidisciplinary approach drawing from labor economics, public/corporate finance, law, public policy, and even sociology and psychology.

Note: Expected to be given in 2009–10.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

Economics 1815. Social Problems of the American Economy

Catalog Number: 3130

Lawrence F. Katz

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines selected social and economic problems of the US and evaluates market and governmental solutions. Topics include discrimination, income and wage inequality, welfare reform, antipoverty strategy (including education and training programs), homelessness, crime, and charitable behavior.

Note: A research paper is required.

Prerequisite: Social Analysis 10 or permission of the instructor.

[Economics 1816. Race in America]

Catalog Number: 2483

Half course (fall term). Hours to be arranged.

Examines the causes and consequences of racial inequality in America and evaluates the efficacy of various market and non-market solutions. Topics include: the racial achievement gap in education, the impact of crack cocaine on inner cities, racial differences in health, crime and punishment, labor market discrimination, social interactions and the effects of peer groups, affirmative action, and more.

Note: Expected to be given in 2009–10.

Prerequisite: Social Analysis 10.

Economics 1818. Economics of Discontinuous Change

Catalog Number: 3029

Richard B. Freeman

Half course (spring term). Tu., Th., 1–2:00, and a weekly section to be arranged. EXAM GROUP: 15

Explores discontinuous changes in the economic position of groups and countries and presents mathematical and computer simulation models designed to illuminate these changes. Examples



include growth/decline of trade unions, segregation of groups, development of linkages on the internet, changes in corporate work culture, growth of social pathologies in neighborhoods, and Malthusian concerns about the environment. Models include nonlinear simulations, neural networks, finite automata, evolutionary stable strategies, causal conjunctures, agent-based simulations, and genetic algorithms.

Note: A research paper is required. Students should have some mathematical background, but there is no prerequisite.

Prerequisite: Social Analysis 10

Primarily for Graduates

[Economics 2800b. Urban and Social Economics]

Catalog Number: 5574

Half course (fall term). Hours to be arranged.

Why do cities exist? What makes economic agglomerations more productive? This class will focus on recent research in urban and social economics. It will also discuss the essentials of real estate economics and housing. It is meant to be a field class for Ph.D. students interested in urban economics, but it is also meant to be accessible for advanced undergraduates. It is meant to be a field class for Ph.D. students interested in urban economics, but it is also meant to be accessible for advanced undergraduates

Note: Expected to be given in 2009–10.

Prerequisite: Undergraduates must have taken Economics 1011a and receive instructor's permission. Graduate students must have taken 1011a, 2010a or 2020a.

Economics 2810a. Labor Market Analysis

Catalog Number: 4862

Lawrence F. Katz

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Theoretical and empirical research on labor markets. Wage determination covers equalizing differences, human capital, job mobility, and incentive models. Labor supply covers life-cycle models. Labor demand includes minimum wage and union models.

[Economics 2810b. Labor Economics and Labor Market Institutions]

Catalog Number: 3206

Half course (spring term). Hours to be arranged.

Examines the operation of the labor market and evaluation of labor market policies. Topics: labor econometrics, theories of wage determination, changes in the wage structure, unemployment, labor market institutions, and globalization and the labor market.

Note: Expected to be given in 2009–10.

Economics 2811. Social Economics

Catalog Number: 5188

Roland G. Fryer

Half course (spring term). M., W., 8:30–10. EXAM GROUP: 1, 2



Applies the tools of economics to explore social issues including crime, discrimination, racial and gender differences, poverty, family structure, urban problems, social interactions and peer effects, and intergenerational mobility.

Economics 2812. The Labor Economics Workshop

Catalog Number: 0230

Lawrence F. Katz, George J. Borjas (Kennedy School), Richard B. Freeman, and Roland G. Fryer

Full course. W., 4–5:30. EXAM GROUP: 9

Focuses on research concerning the operation of labor markets.

Economics 2880. Economics of Science

Catalog Number: 7488

Richard B. Freeman

Half course (spring term). Tu., 2:30–5:30. EXAM GROUP: 16, 17, 18

Analyzes economic issues regarding the role of science and RD in the economy and in the deployment and productivity of scientists, engineers, and highly skilled technical workers.

Topics include: wage levels/employment prospects; stipend policy, education/recruitment, student unionization/post-doc organization, career choices/trajectories, with reference to women; scientific competition/collaboration.

Economics 2888hf. Economics of Science and Engineering Workshop

Catalog Number: 6311

Richard B. Freeman

Half course (throughout the year). F., 12–1:30. EXAM GROUP: 5, 6

Focus on work force and career issues. Topics include: Effects of globalization on work force and innovation, growth of networks in work; impact of career incentives on productivity; university policies; mobility between academe and industry; link between ideas and outputs.

Note: Jointly listed with the Business School as 4245.

Graduate Courses of Reading and Research

***Economics 3000. Research Paper**

Catalog Number: 4174

Members of the Department

Intended to fulfill the Research Paper Requirement for the PhD degree in Economics. Ordinarily, this course is taken during the spring term of the second year of graduate study.

***Economics 3005. Reading and Research**

Catalog Number: 3493

Members of the Department

Individual work or work in small groups (with a professor or lecturer in residence) in preparation for the general examination for the PhD degree, or work on special topics not included in course offerings.



***Economics 3010. Direction of Doctoral Dissertations**

Catalog Number: 4579

Members of the Department

Note: In all cases, the dissertation topic must have been formally submitted to, and approved by, a dissertation adviser.

***Economics 3011. Research in Behavior in Games and Markets**

Catalog Number: 0109

Attila Ambrus 4665, Drew Fudenberg 3460, Jerry R. Green 1539, David I. Laibson 1241, Markus M. Möbius 3441, and Alvin E. Roth 564

Half course (fall term; repeated spring term). W., 11:30–1.

Serves mainly as a forum for presentations by graduate students of their current research. Work presented can be very preliminary and conjectural.

Prerequisite: Economics 2010a (or 2020a) and 2010b (or 2020b).

***Economics 3163hf. Research in Econometrics**

Catalog Number: 4392

Gary Chamberlain 1745, Rustam Ibragimov 5329, Guido W. Imbens 2671, Dale W. Jorgenson 2000, and James H. Stock 1783

Half course (throughout the year). M., 12–2.

Participants discuss recent research in econometrics and present their own work in progress.

Open to doctoral students in economics.

***Economics 3336hf. Research in Economic History**

Catalog Number: 0639

Claudia Goldin 2667

Half course (throughout the year). M., 4–5:30.

Participants discuss recent research in economic history and present their own work in progress.

Note: Primarily, but not exclusively, for doctoral students in economics who have passed their oral examinations.

***Economics 3390hf. Research in Economic Development**

Catalog Number: 2532

Michael R. Kremer 2112, Erica M. Field 5095, Robert T. Jensen (Kennedy School) 4548, Asim I. Khwaja (Kennedy School) 3994, and Jeffrey G. Williamson 7680

Half course (throughout the year). Fall: M., 1–2:30; Spring: W., 1–2:30.

Participants discuss recent research in development economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3410dhf. Research in Macroeconomics**

Catalog Number: 2126

Alberto F. Alesina 2074 (on leave 2008-09), Robert J. Barro 1612, Nicola C. Fuchs-Schündeln 5026, David I. Laibson 1241, and Aleh Tsyvinski 4981

Half course (throughout the year). Tu., 11:30–1.

Participants discuss recent research in macroeconomics and present their own work in progress.

Open to doctoral students in economics who have passed their oral examinations.



***Economics 3450chf. Research in Public Economics and Fiscal Policy**

Catalog Number: 3436

David M. Cutler 2954, Edward L. Glaeser 3219, and Lawrence F. Katz 1480

Half course (throughout the year). Tu., 1–2:30.

Participants discuss recent research in public economics and fiscal policy and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3460 (formerly *Economics 3460chf). Research in Health Economics**

Catalog Number: 5309

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (spring term). Tu., 8–9:30.

Participants discuss recent research in health economics. Course may also include presentation of original research by participants. Open to doctoral students only.

***Economics 3530hf. Research in International Economics**

Catalog Number: 5777

Pol Antràs 4666, Richard N. Cooper 7211, Gita Gopinath 5042 (on leave fall term), Elhanan Helpman 2334, and Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425
Half course (throughout the year). W., at 12.

Participants discuss recent research in international economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3650hf. Research in Industrial Organization**

Catalog Number: 3318

Susan Athey 5334 (on leave fall term), Richard E. Caves 1414, Ulrich Doraszelski 5024, Julie H. Mortimer 3993, and Ariel Pakes 1774
Half course (throughout the year). Tu., at 12.

Participants present their own research in progress in an informal setting. Open to doctoral students in economics who have passed their general examinations and are in the early stages of their dissertations.

***Economics 3660hf. The Law, Economics, and Organizations Workshop**

Catalog Number: 4325

Lucian A. Bebchuk (Law School) 2042, Oliver S. Hart 3462, Louis E. Kaplow (Law School) 3223, Joshua Lerner (Business School) 1601, and Andrei Shleifer 2772
Half course (throughout the year). M., 12:30–2.

The presentation of work in progress in the field of law, economics, and organizations. Presentations by members of the various Harvard faculties, outside speakers, and graduate students.

Note: Offered jointly with the Law School as 96250-11 and with the Business School as 4670.

***Economics 3680hf. Research in Environmental Economics**

Catalog Number: 1227

Robert N. Stavins (Kennedy School) 2093

Half course (throughout the year). F., 12–1:30.



Participants discuss recent research in environmental and natural resource economics and present their own work in progress.

Note: Open to doctoral students only.

***Economics 3723hf. Research in Financial Economics**

Catalog Number: 4107

Efraim Benmelech 5419 (on leave fall term) (spring term only), John Y. Campbell 1230 (on leave 2008-09) (spring term only), and Jeremy C. Stein 3752 (on leave spring term)

Half course (throughout the year). F., 12–1:30.

Participants discuss recent research in financial economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

Note: Offered jointly with the Business School as 4601.

***Economics 3810chf. Research in Labor Economics**

Catalog Number: 4066

Lawrence F. Katz 1480, Roland G. Fryer 5523, and Claudia Goldin 2667

Half course (throughout the year). Tu., 1–2:30.

Participants discuss recent research in labor economics and present their own work in progress.

Open to doctoral students in economics who have passed their oral examinations.

Engineering Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the School of Engineering and Applied Sciences Offering Instruction in Engineering Sciences

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics (*on leave spring term*)

Debra T. Auguste, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment, Tutor in Biochemical Sciences

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science (*on leave spring term*)

Federico Capasso, Robert L. Wallace Professor of Applied Physics

Kenneth B. Crozier, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Marie D. Dahleh, Lecturer on Engineering Sciences (*Assistant Director of Undergraduate Studies*)

Cornelia Dean, Visiting Lecturer on Engineering Sciences, Fellow, Dept/Prog (Stip)

David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering



Thomas C. Esselman, Lecturer on Engineering Sciences (*fall term only*)
 Brian F. Farrell, Robert P. Burden Professor of Meteorology
 Donhee Ham, John L. Loeb Associate Professor of the Natural Sciences
 Colleen M. Hansel, Assistant Professor of Environmental Microbiology on the Gordon McKay Endowment
 Paul Horowitz, Professor of Physics and of Electrical Engineering
 Robert D. Howe, Abbott and James Lawrence Professor of Engineering, Associate Dean for Academic Programs
 John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics
 Daniel J. Jacob, Vasco McCoy Family Professor of Atmospheric Chemistry and Environmental Engineering
 Navin Khaneja, Gordon McKay Professor of Electrical Engineering
 Zhiming Kuang, Assistant Professor of Climate Science
 H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering
 Marko Loncar, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 L. Mahadevan, Lola England Professor of Applied Mathematics
 Scot T. Martin, Gordon McKay Professor of Environmental Chemistry
 Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
 Ralph Mitchell, Gordon McKay Professor of Applied Biology
 David J. Mooney, Gordon McKay Professor of Bioengineering, Associate Dean for Applied Chemical/Biological Sciences and Engineering
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics
 Kevin K. Parker, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment (*on leave spring term*)
 Shriram Ramanathan, Assistant Professor of Materials Science on the Gordon McKay Endowment
 James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
 Peter P. Rogers, Gordon McKay Professor of Environmental Engineering
 Maurice A. Smith, Assistant Professor of Bioengineering on the Gordon McKay Endowment
 Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics (*on leave spring term*)
 Zhigang Suo, Allen E. and Marilyn M. Puckett Professor of Mechanics and Materials (*Director of Undergraduate Studies*)
 Vahid Tarokh, Perkins Professor of Applied Mathematics
 Joost J. Vlassak, Gordon McKay Professor of Materials Engineering
 Mai H. Vu, Lecturer on Engineering Sciences
 Gu-Yeon Wei, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
 Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science
 Patrick J. Wolfe, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
 Robert J. Wood, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 Woodward Yang, Gordon McKay Professor of Electrical Engineering and Computer Science
 Todd Zickler, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

***Other Faculty Offering Instruction in Engineering Sciences***

Frederick H. Abernathy, Gordon McKay Professor of Mechanical Engineering and Abbott and James Lawrence Professor of Engineering
Daniel M. Merfeld, Associate Professor of Otology and Laryngology (*Medical School*)

The School of Engineering and Applied Sciences (www.seas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. Engineering and Applied Sciences faculty also offer several courses in the section entitled Freshman Seminars, Extra-Departmental Courses, and House Seminars.

For information concerning concentration in Engineering Sciences, please consult the Co-Directors of Undergraduate Studies or the Academic Office, School of Engineering and Applied Sciences, Pierce Hall 110.

Primarily for Undergraduates***Engineering Sciences 1. Introduction to Engineering Sciences - (New Course)**

Catalog Number: 0314 Enrollment: Limited to 20.

Todd Zickler and Eduardo A. Silva

Half course (spring term). M., 1–3, W., 1–5. EXAM GROUP: 6, 7, 8, 9

An integrative introduction to engineering sciences. Combines classroom discussion with activity-based learning, and emphasizes concepts that span multiple disciplines. Covers topics having direct societal impact, and presents them in historical context. Involves qualitative and quantitative analysis, mathematical modeling, and design. Introduces common engineering software and hardware tools.

Note: This course, when taken for a letter grade, meets the Core requirement for Science A.

Engineering Sciences 6. Environmental Science and Technology

Catalog Number: 2969

Scot T. Martin

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to the role of technology in environmental sciences with an emphasis on solving problems concerning human use and control of the environment. Cases from aquatic, terrestrial, and atmospheric environments are discussed. In each setting the basic scientific principles underlying engineering control are emphasized. Occasional field trips are part of the course. The course presumes basic knowledge in chemistry, physics, and mathematics at the high school level.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

***Engineering Sciences 50. Introduction to Electrical Engineering**

Catalog Number: 4499

Marko Loncar

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7



A discussion of topics of central importance to the fields of electronics, communications and intelligent systems. The material concerns both qualitative and quantitative analysis, as well as laboratory experiments and computer simulations. Examples of topics to be discussed range from relatively simple modules such as analog amplifiers and digital adders, to complex devices such as cell-phones and their supporting infrastructure.

Note: Students who have taken 100-level courses in electrical engineering will not be allowed to enroll in Engineering Sciences 50. This course, when taken for a letter grade, meets the Core area requirement for Science A.

[Engineering Sciences 51. Computer-Aided Machine Design]

Catalog Number: 0322

Robert D. Howe

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

A first course in the design and construction of mechanical and electromechanical devices. Engineering graphics and sketching; dimensions and tolerances. Introduction to materials selection and structural design. Machine elements and two-dimensional mechanisms; DC motors. Design methodology. Emphasis on laboratory work and design projects using professional solid modeling CAD software and numerically controlled machine tools.

Note: Expected to be given in 2009–10. Intended for freshmen and sophomores. This course, when taken for a letter grade, meets the Core requirement for Science A.

Prerequisite: Mathematics 1b (may be taken concurrently); high school physics.

Engineering Sciences 53. Quantitative Physiology as a Basis for Bioengineering

Catalog Number: 3604

Maurice A. Smith

Half course (spring term). Tu., Th., 8–9:30, and three hours per week of laboratory to be arranged. EXAM GROUP: 10, 11

A foundation in human organ systems physiology, including cardiac, respiratory, renal, gastrointestinal, and neural systems. Quantitative description of organ systems function and control in terms of physical principles and physiologic mechanisms. Simple mathematical models representing key aspects of organ systems function. Emphasis will be given to understanding the ways in which dysfunction in these systems gives rise to common human disease processes.

Note: Open to freshmen.

***Engineering Sciences 91r. Supervised Reading and Research**

Catalog Number: 1113

Joost J. Vlassak (fall term) and Marie D. Dahleh

Half course (fall term; repeated spring term). Hours to be arranged.

Guided reading and research.

Note: Normally open to candidates accepted for work on a specific topic by a member of the teaching staff of the Division of Engineering and Applied Sciences. Normally may not be taken for more than two terms; may be counted for concentration in Engineering Sciences if taken for graded credit. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.



***Engineering Sciences 96. Engineering Design Seminar**

Catalog Number: 8461 Enrollment: Limited to 25.

Robert D. Howe

Half course (spring term). M., Th., 4–5:30. EXAM GROUP: 9, 18

Group project selected to provide experience in the processes and practice of engineering problem definition and solution as well as design and evaluation. As part of the course, the class may participate in off-site field trips. The design seminar is ordinarily taken in the spring term of the junior year.

Note: Preference given to SB candidates.

Cross-listed Courses

***Freshman Seminar 21s. Germs**

For Undergraduates and Graduates

Additional courses of interest to students in Electrical Engineering include: Computer Sciences 141, 143, and 148.

***Engineering Sciences 100. Engineering Design Projects**

Catalog Number: 4268

Robert J. Wood

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical materials fabrication techniques.

Note: Ordinarily taken in the senior year. This one-term version of Engineering Sciences 100hf is open only to students in special circumstances. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.

***Engineering Sciences 100hf. Engineering Design Projects**

Catalog Number: 7535

Robert J. Wood

Half course (throughout the year). Th., 4–6. EXAM GROUP: 18

Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical fabrication techniques.

Note: Ordinarily taken in the senior year. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.


[Engineering Sciences 103. Spatial Analysis of Environmental and Social Systems]

 Catalog Number: 9277

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduces the fundamental statistical and mapping tools needed for analysis of environmental systems. Topics will be linked by environmental and social themes and will include GIS concepts; data models; spatial statistics; density mapping; buffer zone analysis; surface estimation; map algebra; suitability modeling. Students will acquire technical skills in both mapping and spatial analysis. Software packages used will include ArcGis. There will be guest lectures by researchers and practitioners who use GIS for spatial analysis.

Note: Expected to be given in 2009–10.

Prerequisite: Applied Mathematics 21 or equivalent.

[Engineering Sciences 109. Science Fictions]

Catalog Number: 5988

Cornelia Dean

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

Political, economic or other imperatives skew public debates on issues in which science plays an important part. Seminar discusses why this is possible and how it plays out. Will deal with the public's knowledge of and attitudes toward science, the way people reason and perceive risk, the privatization of the nation's research agenda, and the politicization of science.

Note: Expected to be given in 2009–10.

Engineering Sciences 110. Science, Engineering, and the Community - (New Course)

Catalog Number: 0452 Enrollment: Limited to 15.

Vinothan N. Manoharan

Half course (fall term). M., 5–7:30 p.m. EXAM GROUP: 9

Activity-based course for beginning/intermediate science and engineering undergraduates. Combines readings and discussions on techniques for learning science and engineering design with implementation in an 8th grade science class in Cambridge. Students work directly with the 8th graders to guide how they learn. Students apply what they discover to improve their own understanding of college-level science and engineering.

Prerequisite: Interest in science, engineering, learning, and outreach.

Engineering Sciences 120. Introduction to the Mechanics of Solids

Catalog Number: 1493

Joost J. Vlassak

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

A first course in the mechanical sciences which introduces elements of continuum mechanics and explains how materials and structures stretch, bend, twist, shake, buckle, and break. Stress-strain behavior of materials. Statically determinate and indeterminate structures. Stress and strain, equations of motion or equilibrium, strain-displacement relations. Stress waves. Torsion. Beam theory with applications to beam deflections, vibrations, and buckling. Four laboratory sessions required.

Prerequisite: Physics 11a or 15a, and Applied Mathematics 21a or Mathematics 21a (previously) and Applied Mathematics 21b or Mathematics 21b (previously or concurrently).



***Engineering Sciences 122. Cellular Engineering**

Catalog Number: 8439

Kevin K. Parker

Half course (fall term). M., W., 11–1. EXAM GROUP: 4, 5

Summary of the physical laws governing cellular homeostasis; role of the tissue microenvironment on cell life, death, and differentiation; control of cellular function and genetic programs by adhesion to substrates; signal transduction pathways and cellular metabolic control; mechanochemical and mechanoelectrical signal transduction; cell motility; clinical and industrial applications of engineered cells.

Prerequisite: Inorganic chemistry, cell biology, physics, and mathematics at the level of Applied Mathematics 21 or Mathematics 21. Suggested courses include organic chemistry and molecular biology.

Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes

Catalog Number: 8323

Debra T. Augustine

Half course (spring term). M., W., F., at 10, and laboratory. EXAM GROUP: 3

Dimensional analysis. Basic elements of steady and unsteady thermal conduction and mass diffusion. Statics and dynamics of fluids. Buoyancy-stability and hydrostatics. Laminar viscous flows, potential flows, origin of lift, and basic aspects of boundary layers. Navier-Stokes and continuity equations. Applications in aerodynamics, biomedical, chemical, environmental, and mechanical engineering, biology, and physics. Introduction to finite-element computational software.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b.

Engineering Sciences 125. Mechanical Systems

Catalog Number: 7274

Robert D. Howe

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Modeling and analysis of mechanical and electromechanical systems. Topics include 3D rigid body dynamics, resonance, damping, frequency response, Laplace transform methods, Lagrange's equations, multiple degree-of-freedom systems and an introduction to nonlinear vibration, continuous systems, and control. Analytical modeling will be supplemented with numerical simulations and lab experiments. Laboratory exercises will explore vibration, stabilization, and nonlinear systems using data acquisition systems.

Note: May not be taken for credit in addition to Physics 151.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b or Mathematics 23a,b; Physics 11a or 15a.

[Engineering Sciences 128. Computational Solid and Structural Mechanics]

Catalog Number: 0359

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Foundations of continuum mechanics, conservation laws, stress, strain, and constitutive behavior. Development of elasticity theory. Basic problems of stressing and deformation. Focus on computer analysis using the finite-element method. Plane stress and strain, torsion, wave



propagation, vibrations, thin-walled structures, creep, plasticity and fracture. In computer implementation, students develop simple finite-element analyses using the general-purpose program ABAQUS, and do a project addressing a significant problem arising in mechanical, civil or materials engineering, biomechanics, or earth science.

Note: Expected to be given in 2009–10. Students who wish to cover the same material at a more advanced level should take Engineering Sciences 240.

Prerequisite: Engineering Sciences 120 or equivalent introduction to the mechanics of deformable materials.

Engineering Sciences 130. Tissue Engineering

Catalog Number: 3169

David J. Mooney

Half course (spring term). Tu., Th., 1–2:30, and a weekly lab. EXAM GROUP: 15, 16

Fundamental engineering and biological principles underlying field of tissue engineering, along with examples and strategies to engineer specific tissues for clinical use. Students will prepare a paper in the field of tissue engineering, and participate in a weekly laboratory in which they will learn and use methods to fabricate materials and perform 3-D cell culture.

Prerequisite: Biochemistry or cell biology background.

Engineering Sciences 139. Innovation in Science and Engineering: Conference Course

Catalog Number: 0994 Enrollment: Limited to 28.

Thomas C. Esselman

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Explores factors and conditions contributing to innovation in science and engineering; how important problems are found, defined, and solved; roles of teamwork and creativity; and applications of these methods to other endeavors. Students receive practical and professional training in techniques to define and solve problems, and in brainstorming and other individual and team approaches.

Note: Taught through a combination of lectures, discussions, and exercises led by innovators in science, engineering, arts, and business.

Engineering Sciences 145. Physiological Systems Analysis

Catalog Number: 8197

Daniel M. Merfeld (Medical School)

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A survey of systems theory with applications from bioengineering and physiology. Analysis: differential equations, linear and nonlinear systems, stability, the complementary nature of time and frequency domain methods, feedback, and biological oscillations. Applications: nerve function, muscle dynamics, cardiovascular regulation. Laboratory: neural models, feedback control systems, properties of muscle, cardiovascular function.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent. Physiology at the level of Engineering Sciences 53 suggested.

***Engineering Sciences 147. Idea Translation: Effecting Change through the Arts and Sciences**

Catalog Number: 9676 Enrollment: Limited to 30.



David A. Edwards

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

How do Art and Science fuse to produce breakthrough ideas in global health, culture, and industry? This introduction to idea generation and development focuses on how idea creations evolve from a passionate will to effect change. Students from all disciplines are guided by experts in their field throughout the semester to translate their own projects. Significant in class time devoted to group projects. Factors of effective idea translation focused through case studies, debates, and interaction with visiting leaders. (e.g. Global health experts, entrepreneurs, theatre directors, and others.)

Note: Open to sophomores, juniors, and seniors by permission of instructor.

Engineering Sciences 149. Neural Control of Movement

Catalog Number: 0440

Maurice A. Smith

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Approaches from robotics, control theory, and neuroscience for understanding biological motor systems. Analytical and computational modeling of muscles, reflex arcs, and neural systems that contribute to motor control in the brain. Focus on understanding how the central nervous system plans and controls voluntary movement of the eyes and limbs. Learning and memory; effects of variability and noise on optimal motor planning and control in biological systems.

Note: Given in alternate years.

Prerequisite: Mathematics 21b or Applied Mathematics 21b or equivalent, probability and statistics, Physics 11a or equivalent.

Engineering Sciences 150. Probability with Applications in Electrical Engineering

Catalog Number: 8997

Navin Khaneja

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

An introduction to basic probabilistic ideas that find application in the study of communications and systems. Topics include: random variables, distributions and densities. Probabilistic models in engineering. Markov chains and other discrete time stochastic processes. Conditional probabilities, Bayes' rule and application to the estimation of the value of a stochastic process. Examples from communication theory; characterization of communication channels.

Introduction to decision theory and application to the control of uncertain systems.

Prerequisite: Mathematics 21a or Applied Mathematics 21a, and Mathematics 21b or Applied Mathematics 21b.

Engineering Sciences 151. Electromagnetic Engineering

Catalog Number: 5742

Jene A. Golovchenko

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Electromagnetism and its applications in modern science and technology, with special emphasis on wireless and fiber-optic communications. Topics include transmission lines and microwave circuits, Maxwell's equations, electromagnetic waves in free space, matter, and waveguides, ray optics, and antennae. Applications of electromagnetism in ultra-fast integrated circuits, wireless networking, and radio astronomy are also discussed to place the electromagnetic theory in



practical contexts of the present-day science research and communication technology.

Prerequisite: Basic electromagnetism (Physics 11b or 15b or equivalent), basic circuit analysis (Engineering Sciences 50 or Engineering Sciences 154 or equivalent), basic vector calculus (Applied Math 21a or equivalent), basic differential equations (Applied Math 21b or equivalent) and familiarity with Fourier analysis (some part of Applied Math 105a or ES 156 or equivalent).

Engineering Sciences 154. Electronic Devices and Circuits

Catalog Number: 6319

Donhee Ham

Half course (fall term). Tu., Th., 2:30–4, and laboratory to be arranged. EXAM GROUP: 16, 17

Design of analog integrated circuits using semiconductor transistors. Emphasis on intuitive design methods, and analytical and simulation-based circuit analysis. Topics: the physics of semiconductors; operating principles of bipolar transistors and field effect transistors; bias circuits and active loads; single- and multi-stage amplifiers; operational amplifiers; frequency responses and stability; noise; switched capacitor circuits and comparators; data converters.

Prerequisite: Familiarity with differential equations and Fourier analysis (Applied Mathematics 21b or Mathematics 21b), familiarity with electric charges and fields (Physics 11b or 15b).

Engineering Sciences 156. Signals and Systems

Catalog Number: 6284

Besma Smida and Vahid Tarokh

Half course (spring term). Tu., Th., 2:30–4, and weekly one hour Matlab section and one hour problem section to be arranged. EXAM GROUP: 16, 17

Time and frequency domain representations and analysis of signals and systems. Convolution and linear input-output systems in continuous and discrete time. Fourier transforms and Fourier series for continuous- and discrete-time signals. Laplace and Z transforms. Analog and digital filtering. Modulation. Sampling. FFT. Applications in circuit analysis, communication, control, and computing.

Prerequisite: Applied Mathematics 21b or Mathematics 21b.

Engineering Sciences 157. Speech and Audio Processing

Catalog Number: 1724

Patrick J. Wolfe

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to speech and audio processing, including both mathematical models and practical applications thereof. Time-frequency analysis, synthesis, modification, and coding of information-carrying natural sound signals; relevant aspects of acoustics and auditory perception; fundamental contemporary applications and methodologies.

Prerequisite: Engineering Sciences 156 or equivalent.

[Engineering Sciences 158. Digital Communications]

Catalog Number: 7721

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Examines the fundamental theories behind modern digital communication systems. Topics include: fundamental limits on communications, channel coding theorem, channel capacity



theorem; baseband communications, orthogonal signal bases, matched filter receiver; digital representations of analog signals, sampling; waveform coding; baseband waveform coding; baseband waveform shaping, pulse amplitude modulation and intersymbol interference channels; digital modulation techniques; elements of error-control coding/decoding, viterbi decoding/detection; elements of spread-spectrum communications.

Note: Expected to be given in 2009–10.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

Engineering Sciences 159. Introduction to Robotics

Catalog Number: 3126

Robert J. Wood

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to computer-controlled robotic manipulators. Topics include coordinate frames and transformations, kinematic structure and solutions, statics and dynamics of serial and parallel chain manipulators, control and programming, introduction to path planning, introduction to teleoperation, robot design, and actuation and sensing devices. Laboratory exercises provide experience with industrial robot programming and robot simulation and control.

Prerequisite: Computer Science 50, and either Engineering Sciences 125 or 156.

Engineering Sciences 162. Hydrology and Environmental Geomechanics

Catalog Number: 4163

James R. Rice

Half course (fall term). M., W., F., at 9, for three one-hour lecture sessions and 1 and a half hour lab session or section for discussion of assigned problems. EXAM GROUP: 2

Study of water as a critical resource and as a factor in Earth surface and near-surface processes. Focus on development of relevant mechanics and physics. Hydrologic cycle, surface and groundwater, evapotranspiration, soil physics. Flow in porous media, Darcy law, contaminant transport, remediation strategies. Poroelasticity, subsidence, well hydraulics. Seepage forces, landslides, dam failures, sediment liquefaction. Glacial processes. Stream flows, turbulence concepts. Gravity waves, flood control; tsunamis; erosion and sediment transport.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b and Physics 11a,b or 15a,b.

Engineering Sciences 164. Aqueous and Environmental Chemistry - (New Course)

Catalog Number: 4099

Colleen M. Hansel and Steven C. Wofsy

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Present basic concepts, principles, and applications of environmental chemistry for students in environmental engineering, geology, chemistry, biology and related fields. Goal is to explore and apply the fundamental chemical principles of thermodynamics, kinetics, chemical bonding, and mass transfer to understand Earth processes and solve complex environmental problems. Survey a variety of environmental chemistry topics, including acid-base chemistry, aqueous speciation, solution-mineral-gas equilibria, oxidation-reduction reactions, kinetics, precipitation/dissolution, and atmospheric chemistry.

Note: Cannot be taken for credit by students who have already taken ENG-SCI 264.

Prerequisite: Physical Sciences 1 or permission of the instructors.



Engineering Sciences 165. Introduction to Environmental Engineering

Catalog Number: 4274

Peter P. Rogers

Half course (spring term). M., W., 3:30–5. EXAM GROUP: 8, 9

Introduces engineering technologies for the control of the environment and relates them to underlying scientific principles. Efficient design of environmental management facilities and systems. Cases from aquatic, terrestrial, and atmospheric environments discussed.

Note: For undergraduates or graduates without background in environmental engineering.

Prerequisite: Exposure to the material in Applied Mathematics 21a or 21b or equivalent.

Engineering Sciences 166. Environmental Microbiology - (New Course)

Catalog Number: 3177

Colleen M. Hansel

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

This course is designed to introduce students to the fundamental concepts of microbiology and biochemistry in the context of Earth systems and environmental engineering. The goal is to explore the diverse role of microorganisms in biogeochemical cycling, biotechnology, and biodeterioration. General topics include cell structure and chemistry, microbial metabolism, bioenergetics, microbial ecology, energy generation, and pollutant degradation.

Prerequisite: LS 1 or permission of instructor.

[Engineering Sciences 167. Environmental Assessment]

Catalog Number: 6885

Peter P. Rogers

Half course (fall term). M., W., 3:30–5. EXAM GROUP: 8, 9

Examines the methods and approaches to environmental impact assessment currently being used and new approaches which rely on improved scaling and index development. Models of impact and indices for air, water, and land impacts will be examined using data from Asia and North America. Cost-of-remediation and environmental elasticity indicators will be examined and their use in engineering design and regulation of the environment will be assessed.

Note: Expected to be given in 2009–10.

Prerequisite: Familiarity with the material of Engineering Sciences 6 and Social Analysis 10.

Engineering Sciences 173. Electronic and Photonic Devices

Catalog Number: 3490

Federico Capasso

Half course (fall term). W., F., 1–2:30. EXAM GROUP: 6, 7

Broad course covering the physical foundations of modern electronics and photonics. Basic concepts of solid-state theory and semiconductor physics. P-n junctions. Bipolar Transistors. Field-effect transistors (MOSFET, MESFET, JFET). Semiconductor heterostructures and quantum wells. LEDs and laser diodes. Photodetectors: photodiodes, avalanche photodiodes. Modulators. Quantum Cascade Lasers.

Prerequisite: Physics 11a and b, or Physics 15a and b or equivalent (mechanics; electromagnetism); undergraduate level quantum mechanics.

**Engineering Sciences 174. Photonic and Electronic Device Laboratory**

Catalog Number: 3178

*Kenneth B. Crozier**Half course (spring term). M., at 9, and a weekly 3-hour lab. EXAM GROUP: 2*

Physics and fabrication of photonic and electronic devices. Laboratory experiments and lectures on semiconductor lasers, photodetectors and optical fibers. Students use cleanroom to fabricate MOSFETs. Fabrication lectures on lithography, deposition, etching, oxidation, implantation, diffusion and electrical characterization. Suitable for undergraduate and graduate students wishing to gain fabrication experience.

Prerequisite: Physics 11a and Physics 11b; or Physics 15a and 15b.

Engineering Sciences 181. Engineering Thermodynamics

Catalog Number: 3889

*Shriram Ramanathan**Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Introduction to engineering thermodynamics with emphasis on classical thermodynamics. Topics: zeroth law and temperature. Properties of single-component gases, liquids, and solids; steam tables. Equations of state for ideal and simple nonideal substances. First law, heat and heat transfer, work, internal energy, enthalpy. Second law, entropy, free energy. Third law. Heat engines and important engineering applications such as refrigerators, power cycles. Properties and simple models of solutions. Phase and chemical equilibrium in multicomponent systems; chemical potential. Laboratory included.

Prerequisite: Physics 11 or 15 and Applied Mathematics or Mathematics 21; chemistry at the level of a good secondary school course or Chemistry 5.

Engineering Sciences 190. Introduction to Materials Science and Engineering

Catalog Number: 6973

*David J. Mooney**Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Introduction to the structure, properties, and applications of materials. Crystal structure and defects. Phase transformations: phase diagrams, diffusion, nucleation and growth. Mechanisms of deformation and fracture. Effect of microstructure on properties. Biological and biomedical materials (proteins, drug delivery devices, medical implants) are extensively used as examples.

Prerequisite: Engineering Sciences 181 or equivalent, Physics 11 or 15, and Applied Mathematics 21a,b or Mathematics 21a,b.

Cross-listed Courses**Earth and Planetary Sciences 133. Atmospheric Chemistry*****Primarily for Graduates***

Additional courses of interest to graduate students in Electrical Engineering includes Computer Sciences 246r. Additional courses of interest to graduate students in Decision, Control, and Communication include Economics 2010a, 2010b, 2010c, 2120, 2140; Statistics 110, 171.



[Engineering Sciences 201. Decision Theory]

Catalog Number: 2362

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Mathematical analysis of decision making. Bayesian inference and risk. Maximum likelihood and nonparametric methods. Algorithmic methods for decision rules: perceptrons, neural nets, and back propagation. Hidden Markov models, Blum-Welch, principal and independent components.

Note: Expected to be given in 2009–10.

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 dynamical systems with deterministic and stochastic inputs. Controllability and observability, linear quadratic control, dynamic programming and the Pontryagin maximum principle, Stochastic models and Kalman-Bucy filtering. Applications from engineering and economics.

Prerequisite: Linear differential equations, matrix algebra, and introductory probability as covered in Mathematics 21a, b and Engineering Sciences 150 or equivalents.

[Engineering Sciences 203. Stochastic Control]

Catalog Number: 6982

Roger W. Brockett

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the theory of stochastic differential equations based on Wiener processes and Poisson counters, and an introduction to random fields. The formulation and solution of problems in nonlinear estimation theory. The Kalman-Bucy filter and nonlinear analogues. Identification theory. Adaptive systems. Applications.

Note: Expected to be given in 2009–10.

Prerequisite: Applied Mathematics 105a,b or equivalent. Some prior exposure to probability; Engineering Sciences 202 desirable but not essential.

[*Engineering Sciences 207. Communicating Science]

Catalog Number: 5993 Enrollment: Limited to 20.

Cornelia Dean

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Many important public issues have strong science components but, generally, scientists are missing from public debates. This seminar discusses how the relative silence of scientists weakens our national discourse and encourages participation in this discourse.

Note: Expected to be given in 2009–10. Through writing exercises, role playing, and the like, seminar offers practical suggestions on how to communicate scientific information in an engaging and useful fashion.



Engineering Sciences 209. Nonlinear Control Systems

Catalog Number: 1194

Navin Khaneja

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Study of nonlinear input-output systems including controllability, observability, uniqueness of models, stability, and qualitative behavior of nonlinear dynamical systems. Differential geometry and Lie theory methods developed to study control of classical and quantum mechanical systems.

[Engineering Sciences 210. Mathematical Programming]

Catalog Number: 5499

Donald G. M. Anderson

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to basic optimization techniques. Linear programming: the simplex method and related algorithms, duality theory, interior-point methods. Unconstrained optimization, nonlinear programming, convexity.

Note: Expected to be given in 2009–10. Offered in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b, and Applied Mathematics 120, or equivalent.

[*Engineering Sciences 211. Cardiac Biophysics]

Catalog Number: 3906

Kevin K. Parker

Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

A quantitative examination of cardiac excitation and excitation-contraction coupling. Cardiac membrane channels, the action potential (Hodgkin-Huxley and Luo-Rudy models), and action potential propagation (cable and bidomain models). Arrhythmias, drugs, and defibrillation.

Note: Expected to be given in 2009–10.

Prerequisite: Electromagnetic field and electric circuit theories, calculus through partial differential equations, cell biology, physiology, and extensive MATLAB programming experience. C programming experience recommended.

[Engineering Sciences 216. Biological Dynamics]

Catalog Number: 8148

L. Mahadevan

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Develops and applies continuum and statistical mechanics to biomechanical phenomena. Molecular, cellular and tissue mechanics. Motors, motility and muscle. Sensory physiology and mechanotransduction. Morphogenesis and development. Animal locomotion. Evolutionary mechanics.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Knowledge of undergraduate fluid/solid mechanics (or equivalent courses in physics), differential equations.

[Engineering Sciences 217r (formerly Engineering Sciences 217). Computational Neuroscience]

Catalog Number: 8112



Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A range of current topics in computational neuroscience at the systems level are presented. Discussions include spike trains, point processes, encoding/decoding, information theory, adaptation/plasticity, learning, and neural system identification.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Applied Mathematics 105a and 105b or equivalent, linear algebra, probability and statistics. Coursework in signals and systems and/or control would be ideal.

Engineering Sciences 220. Fluid Dynamics

Catalog Number: 2759

Howard A. Stone

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Vector and tensor calculus. Conservation laws; kinematics and constitutive equations. Exact solutions of the Navier-Stokes equations. Lubrication theory and low Reynolds number flows. Potential flows and boundary layer theory including thermal boundary layers. Turbulence; free-surface flows.

Prerequisite: Familiarity with classical mechanics, partial differential equations, and vector and tensor calculus. An undergraduate course in fluid dynamics is strongly recommended.

[*Engineering Sciences 221. Drug Delivery]

Catalog Number: 8223 Enrollment: Limited to 30.

Debra T. Augustine

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Methods to deliver molecules to the human body. Physiological obstacles and engineering solutions. Characterization techniques for drug delivery synthesis and in vitro analysis. Case studies of current pharmaceutical products.

Note: Expected to be given in 2009–10.

Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b, and Chemistry 5 or Life Sciences 1a.

***Engineering Sciences 222. Advanced Cellular Engineering**

Catalog Number: 0696

Kevin K. Parker

Half course (fall term). M., W., 11–1. EXAM GROUP: 4, 5

Students are expected to meet all requirements of Engineering Sciences 122 and to give a presentation on a cellular engineering topic of their choosing, subject to instructor approval, with handouts, homework, and examination questions.

Prerequisite: Inorganic chemistry, cell biology, physics, and mathematics at the level of Applied Mathematics 21 or Mathematics 21. Suggested courses include organic chemistry and molecular biology.

Engineering Sciences 224. Laboratory in Engineering and Physical Biology

Catalog Number: 4136

Nancy Kleckner

Half course (spring term). M., W., 1–5. EXAM GROUP: 6, 7, 8, 9



A project-oriented laboratory course which will integrate genetic, molecular, biochemical and cytological approaches from the life sciences with optical, magnetic and mechanical approaches from the physical sciences. Interesting and original experiments will be organized around a common theme which, this year, will be "Biomechanics of E. coli."

Note: Intended primarily for first year graduate students in the EPB PhD track but available to other graduate students and advanced undergraduates as space and resources permit.

[Engineering Sciences 226r. Special Topics in Neural Engineering: Learning and Memory in Neural Systems]

Catalog Number: 3086

Maurice A. Smith

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Course will present classical findings and new research that give insight into mechanisms of learning and memory formation in neural systems. Learning and memory will be studied both as neurobiological phenomena and as computational challenges.

Note: Expected to be given in 2009–10. Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b, probability and statistics.

Engineering Sciences 230 (formerly Engineering Sciences 223). Advanced Tissue Engineering

Catalog Number: 5718

David J. Mooney

Half course (spring term). Tu., Th., 1–2:30, and a weekly lab. EXAM GROUP: 15, 16

Fundamental engineering and biological principles underlying field of tissue engineering, along with examples and strategies to engineer specific tissues for clinical use. Student design teams prepare a research proposal and participate in a weekly laboratory.

Prerequisite: Biochemistry or cell biology background.

***Engineering Sciences 231. Survey of Energy Technology - (New Course)**

Catalog Number: 1486

Michael J. Aziz

Half course (spring term). W., F., 2:30–4. EXAM GROUP: 7, 8

Principles governing energy generation and interconversion. Current and projected world energy use. Selected important current and anticipated future technologies for energy generation, interconversion, storage, and end usage.

Prerequisite: One full year of college-level physics and familiarity with chemistry at the high school advanced placement level.

Engineering Sciences 239. Advanced Innovation in Science and Engineering: Conference Course

Catalog Number: 8303 Enrollment: Limited to 28.

Thomas C. Esselman

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Students are expected to meet all the requirements of Engineering Sciences 139 and in addition are required to prepare an individual term project with significant analytic emphasis in an area of scientific or technological innovation.



Engineering Sciences 240. Solid Mechanics

Catalog Number: 2984

Zhigang Suo

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Foundations of continuum mechanics, development of elasticity theory, and introduction to plasticity and creep. Elastic waves. Basic elasticity solutions. Variational principles.

Prerequisite: Applied Mathematics 105b or equivalent; introduction to solid mechanics at the level of Engineering Sciences 120, or Earth and Planetary Sciences 108 or 166, or Applied Physics 293.

Engineering Sciences 241. Advanced Elasticity

Catalog Number: 6711

Zhigang Suo

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

For linear theory: singular solutions; waves and vibrations; dislocations and inhomogeneities; wave radiation from cracking and faulting. Fracture dynamics. Finite deformations; buckling and localizations; thermodynamics; thermoelasticity; poroelasticity.

Note: Offered in alternate years.

Prerequisite: Engineering Sciences 240 and Applied Mathematics 201 or equivalents.

[Engineering Sciences 242r. Solid Mechanics: Advanced Seminar]

Catalog Number: 5379

John W. Hutchinson

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Topic Spring 2008: Beams, Plates and Shells. Equations governing the linear and nonlinear behavior of these structures will be derived and investigations will be made of how these structures deform, vibrate and buckle.

Note: Expected to be given in 2009–10.

Prerequisite: Engineering Sciences 240 or equivalent.

Engineering Sciences 246. Plasticity

Catalog Number: 4271

Joost J. Vlassak

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Phenomenological theories for strain hardening materials; flow and deformation theories. Variational principles and other general theorems. Mechanisms of plastic deformation, physical theories for strain hardening materials, and polycrystals. Ideal plasticity. Boundary value problems, plastic collapse, buckling of structures.

Prerequisite: Engineering Sciences 240, or equivalent.

Engineering Sciences 249. Advanced Neural Control of Movement

Catalog Number: 3145

Maurice A. Smith

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Students expected to meet all of the requirements of Engineering Sciences 149 and in addition to submit a term project with significant analytic content.



Note: Given in alternate years.

Prerequisite: Mathematics 21b or Applied Mathematics 21b or equivalent, probability and statistics, Physics 11a or equivalent.

Engineering Sciences 250. Information Theory

Catalog Number: 8606

Besma Smida

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Entropy and differential entropy, mutual information; data compression; channel capacity, the Gaussian channel; network information theory. Applications in communications, statistics, signal processing, computer sciences, economics, neurology and biology. Contemporary research topics.

Prerequisite: Probability theory in Engineering Sciences 150, Statistics 110, or equivalent; or permission of instructor.

[Engineering Sciences 251r (formerly Engineering Sciences 251). Advanced Topics in Inference, Information, and Statistical Signal Processing]

Catalog Number: 3211

Patrick J. Wolfe

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced machine learning, from the unifying perspective of inference and regularization. Statistical learning theory, kernel methods; connections to information theory and data compression. Model fitting and stochastic computation for high-dimensional and non-Euclidean data.

Note: Expected to be given in 2009–10. Equal emphasis on theory, algorithms, and applications.

Prerequisite: Background equivalent to Computer Science 228, 281, or Engineering Sciences 201, or permission of instructor.

[Engineering Sciences 252. Micro/Nano Robotics]

Catalog Number: 0239

Robert J. Wood

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Motivations and methods for the development of robotic devices on the micro and nano scale. Topics include sensors, actuators, fabrication paradigms, and the physics of scaling. Examples from surgical robotics, mobile microrobots, and micro/nano manipulation.

Note: Expected to be given in 2009–10.

Engineering Sciences 255. Detection and Estimation Theory and Applications

Catalog Number: 9816

Simon T. Yiu

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Statistical decision theory; hypothesis testing; linear and non-linear estimation; maximum likelihood and Bayes approaches; stochastic processes and systems; signal detection and estimation in noise; Wiener and Kalman filtering; applications to physical, chemical, and biological systems.

Prerequisite: Knowledge of probability theory and calculus.



Engineering Sciences 257. Advanced Speech and Audio Processing

Catalog Number: 5006

Patrick J. Wolfe

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Students are expected to meet all the requirements of Engineering Sciences 157 and in addition are required to prepare a more substantial term project at a level on par with current research in the field.

Note: Offered jointly with Harvard-MIT Division of Health Sciences and Technology as HST.729.

Prerequisite: Engineering Sciences 156 or equivalent.

[Engineering Sciences 258. Advanced Digital Communications]

Catalog Number: 8645

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Course requirements are similar to 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.

Note: Expected to be given in 2009–10.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

Engineering Sciences 259. Advanced Introduction to Robotics

Catalog Number: 3671

Robert J. Wood

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Course requirements are similar to 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 261. Design of Water Resource Systems

Catalog Number: 3919

Peter P. Rogers

Half course (fall term). M., W., 3:30–5. EXAM GROUP: 8, 9

Design of evaluation and management systems for water resources. Uses techniques of operations research for planning integrated water resources systems. Applications to water supply, irrigation hydropower, environmental protection, and conservation of wildlife.

Note: Given in alternate years.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Engineering Sciences 262. Advanced Hydrology and Environmental Geomechanics

Catalog Number: 5658

James R. Rice

Half course (fall term). M., W., F., at 9 and a 90 minute advanced session to be arranged. EXAM GROUP: 2

Same topic areas and lectures as for Engineering Sciences 162 but supplemented by a weekly 1.5



hour advanced session, and more demanding problems, reading, and reporting assignments.

Note: Offered in alternate years.

Prerequisite: Applied Mathematics 105a (may be concurrent) and 105b or equivalent, and an undergraduate background covering fundamentals of fluid or solid mechanics like in Engineering Sciences 120 or 123 or Earth and Planetary Sciences 131, 132, or 171.

[Engineering Sciences 263. Applied Microbial Geochemistry]

Catalog Number: 5384

Colleen M. Hansel

Half course (spring term). Th., 2–4:30. EXAM GROUP: 16, 17, 18

Explores microbial diversity, metabolic pathways, and microbially induced chemical reactions involved in cycling and biomineralization of redox-active contaminants, including metals and radionuclides. Application and engineering of microorganisms for environmental remediation will be discussed.

Note: Expected to be given in 2009–10.

Prerequisite: Knowledge of undergraduate level redox chemistry and microbiology required (minimum of Life Sciences 1a and Physical Sciences 1 or equivalent courses) or permission of instructor.

Engineering Sciences 264. Advanced Aqueous and Environmental Chemistry - (New Course)

Catalog Number: 1726

Colleen M. Hansel and Steven C. Wofsy

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Content and requirements are similar to ES 164, with the exception that students enrolled in ES 264 are assigned more demanding problem sets and are required to prepare a term project or presentation in applied environmental chemistry.

Note: Cannot be taken for credit by students who have already taken ENG-SCI 164

Prerequisite: Physical Sciences 1 or permission of the instructors.

Engineering Sciences 266. Advanced Environmental Microbiology - (New Course)

Catalog Number: 2807

Colleen M. Hansel

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Course content and requirements are similar to ES 166, with the exception that students enrolled in ES 266 are assigned more demanding problem sets and are required to prepare a term project or presentation in environmental microbiology.

Engineering Sciences 267. Aerosol Science and Technology - (New Course)

Catalog Number: 4446

Scot T. Martin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Physics and chemistry of aerosol particles. Concepts: size, shape, and density; number size distributions; uniform, accelerated, and Brownian motion; electrical properties; measurement instrumentation; condensation/evaporation; coagulation; and optical properties. Taught by



reference to topical problems.

Note: Given in alternate years.

[Engineering Sciences 268. Environmental Chemical Kinetics]

Catalog Number: 8711

Scot T. Martin

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Time rate of change of chemical species in environmental systems. Measure rate constants.

Linear free energy relationships and structural contributions to estimate unknown rate constants.

Formulating a coupled chemical system. Numerical analysis of complex systems.

Note: Expected to be given in 2009–10. Given in alternate years.

Engineering Sciences 271r. Topics in Mixed-Signal Integrated Circuits

Catalog Number: 1158

Gu-Yeon Wei

Half course (fall term). M., W., 4:30–6. EXAM GROUP: 9

Reviews research and development of various topics in mixed-signal integrated circuits and systems. Optics in 2006: High-speed wireline transceivers. Investigate modulation, equalization, clocking techniques, and design of high-speed, low-power building blocks.

Prerequisite: Computer Science 148 or Computer Science 248 or equivalent, and Engineering Sciences 154 or equivalent, or with permission of instructor.

Engineering Sciences 272. RF and High-Speed Integrated Circuits

Catalog Number: 5157

Donhee Ham

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Analysis and design of RF and high speed integrated communication circuits at both transistor and system levels. Emphasis on intuitive design methods, physical understanding, analytical and simulational performance evaluation, and practical technology limitations.

Prerequisite: Solid-state devices and analog circuits (Engineering Sciences 154 or equivalent), basic electromagnetism (Physics 11b or 15b or some part of Engineering Sciences 151 or equivalent), basic differential equations (Applied Mathematics 21b or equivalent), and Fourier analysis (some part of Applied Mathematics 105a or Engineering Sciences 156 or equivalent).

Engineering Sciences 273. Optical Structures for Photon Confinement

Catalog Number: 8382

Marko Loncar

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Optical structures that enable localization of photons: optical resonators, waveguides, fibers, photonic crystals, plasmons, meta-materials; nanoscale light emitters; interaction between light and matter; single-photon sources, threshold-less nanolasers, optical filters and switches; nanofabrication techniques.

Note: Open to graduate students and advanced undergraduates.

Prerequisite: Familiarity with undergraduate level electromagnetics (e.g. Engineering Sciences 151), solid-state physics (e.g. Applied Physics 195), and quantum mechanics (e.g. Physics 143a).



Engineering Sciences 274. Quantum Technology I

Catalog Number: 5645

Federico Capasso

Half course (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7

The focus is on devices based on bandstructure engineering that have impacted photonics and communications. Semiconductor heterostructures. Quantum size effect; tunneling; superlattices; excitons; quantum confined Stark effect. Quantum well lasers; modulators. Quantum Cascade Lasers.

Prerequisite: Undergraduate level quantum mechanics such as Physics 143a or equivalent. Familiarity with basic solid-state physics (Applied Physics 195 or equivalent), semiconductor physics and electronic devices (Applied Physics 282, Engineering Sciences 154 or equivalent).

Engineering Sciences 275. Nanophotonics

Catalog Number: 9815

Kenneth B. Crozier

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Recent developments in micro- and nano-photonic materials, devices and microscopy. Computational electromagnetics. Photonic crystals. Optical properties of metal nanostructures. Scanning near-field optical microscopy. Term-long research project.

Note: Open to graduate students and advanced undergraduates.

Prerequisite: Electromagnetism (Physics 11b or 15b or Engineering Sciences 151 or equivalent).

Engineering Sciences 299r. Special Topics in Engineering Sciences

Catalog Number: 6710

Howard A. Stone (fall term) and Robert D. Howe (spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable engineering and applied science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the School of Engineering and Applied Sciences. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Cross-listed Courses

***Earth and Planetary Sciences 231. Climate Dynamics**

Additional courses of interest to graduate students in Environmental Science and Engineering might include courses offered at the Harvard School of Public Health.

Graduate Courses of Reading and Research



Reading courses are odd-numbered; research courses are even-numbered.

***Engineering Sciences 301,302. Nanophotonics**

Cata,48380log Number: 7403

Kenneth B. Crozier 5146

***Engineering Sciences 303,304. Topics in Electronic Materials and Semiconductor Heterostructure Physics**

Cata,28240log Number: 8668

Venkatesh Narayanamurti 5445

***Engineering Sciences 305,306. Manufacturing to Satisfy Stochastic Demand**

Cata,61590log Number: 6157

Frederick H. Abernathy 1047

***Engineering Sciences 307,308. Control Theory, Robotics, Computer Vision, and Intelligent Machines**

Cata,27190log Number: 7566

Roger W. Brockett 3001 (on leave spring term)

***Engineering Sciences 309,310. Design, Sensing, and Control**

Cata,74190log Number: 5043

Robert D. Howe 2789

***Engineering Sciences 311,312. Systems and Control, Quantum Information and Quantum Control, Computational Vision, Image Analysis and Understanding**

Cata,93770log Number: 2025

Navin Khaneja 4192

***Engineering Sciences 313,314. Image Processing and Computer Vision**

Cata,85340log Number: 4254

Todd Zickler 5143

***Engineering Sciences 315,316. Wireless Computing and Networking**

Cata,28490log Number: 2848

H. T. Kung 3155

***Engineering Sciences 319,320. Microrobotics and Bio-inspired Autonomous Robotic Systems**

Cata,53140log Number: 5306

Robert J. Wood 5339

***Engineering Sciences 321,322. Heterogeneous Nanophotonic Devices and Bio-templated Electronic Materials - (New Course)**

Cata,06980log Number: 0366

Evelyn Hu 6682



***Engineering Sciences 323,324. Statistical Signal Processing**

Cata,54840log Number: 1174

Patrick J. Wolfe 5144

***Engineering Sciences 325,326. Mixed-Signal VLSI Design**

Cata,93360log Number: 8415

Gu-Yeon Wei 4102

***Engineering Sciences 327,328. Circuit Design and Scientific Instrumentation**

Cata,65210log Number: 4901

Paul Horowitz 3537

***Engineering Sciences 329,330. Wireless Communication and Networking**

Cata,74270log Number: 4111

Vahid Tarokh 4368

***Engineering Sciences 331,332. RF/Microwave/Analog/Mixed-Signal Integrated Circuits and Ultrafast Electronics**

Cata,96550log Number: 9645

Donhee Ham 4519

***Engineering Sciences 333,334. Mechanics and Materials in Small Structures**

Cata,54490log Number: 6528

Zhigang Suo 4761

***Engineering Sciences 335,336. Mechanics of Engineering Materials and Small Devices**

Cata,23990log Number: 8173

Joost J. Vlassak 3184

***Engineering Sciences 337,338. Mechanics of Solids and Fluids: Earthquake Seismology and Environmental Geomechanics**

Cata,39480log Number: 4316

James R. Rice 7270

***Engineering Sciences 339,340. Materials Physics and Engineering - (New Course)**

Cata,65670log Number: 3862

David R. Clarke 6684

***Engineering Sciences 341,342. Special Topics in Fluid Dynamics**

Cata,22370log Number: 2231

Howard A. Stone 2073 (on leave spring term)

***Engineering Sciences 343,344. Deformation and Fracture of Materials**

Cata,28030log Number: 3907

John W. Hutchinson 1573



***Engineering Sciences 345,346. Neural Control of Movement**

Cata,60070log Number: 6002

Maurice A. Smith 5342

***Engineering Sciences 351,352. Engineering Mammalian Cell Phenotype**

Cata,64210log Number: 4879

David J. Mooney 4879

***Engineering Sciences 353,354. Cellular Biophysics**

Cata,37980log Number: 3813

Kevin K. Parker 4788 (on leave spring term)

***Engineering Sciences 357,358. Atmosphere-Biosphere Interactions**

Cata,80600log Number: 7661

Steven C. Wofsy 4396

***Engineering Sciences 359,360. Stratospheric Chemistry and Transport**

Cata,68560log Number: 8410

Steven C. Wofsy 4396

***Engineering Sciences 361,362. Atmospheric Chemistry**

Cata,75140log Number: 7238

Daniel J. Jacob 1781

***Engineering Sciences 363,364. Dynamic Meteorology**

Cata,37570log Number: 3756

Brian F. Farrell 7628

***Engineering Sciences 365,366. Topics in Atmospheric and Climate Dynamics**

Cata,32360log Number: 3233

Zhiming Kuang 5285

***Engineering Sciences 367,368. Environmental Science**

Cata,98100log Number: 6773

Michael B. McElroy 2462

***Engineering Sciences 369,370. Urban and Regional Systems Analysis**

Cata,87680log Number: 8775

Peter P. Rogers 2804

***Engineering Sciences 371,372. Environmental Microbiology**

Cata,38850log Number: 6258

Colleen M. Hansel 5609



***Engineering Sciences 373,374. Water Management - (New Course)**

Cata,79440log Number: 9526

John Briscoe 6683

***Engineering Sciences 375,376. Environmental Biology**

Cata,28630log Number: 3985

Ralph Mitchell 1587

***Engineering Sciences 377,378. Transport Phenomena and Biomaterials for Drug Delivery**

Cata,86710log Number: 6385

David A. Edwards 3919

***Engineering Sciences 379,380. Biomaterials**

Cata,03130log Number: 2354

Debra T. Auguste 5615

***Engineering Sciences 389,390. Environmental Chemistry**

Cata,16390log Number: 6660

Scot T. Martin 3365

***Engineering Sciences 393,394. Microelectronics and VLSI Systems**

Cata,60560log Number: 6037

Woodward Yang 2790

***Engineering Sciences 395,396. Nanoscale Optics, NEMS and Nanofabrication Technology**

Cata,36870log Number: 2564

Marko Loncar 5703

English

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of English

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
(Chair)

Daniel Albright, Ernest Bernbaum Professor of Literature (*on leave spring term*)

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities (*on leave fall term*)

Lawrence Buell, Powell M. Cabot Professor of American Literature (*on leave 2008-09*)

Stephen Louis Burt, Associate Professor of English



Glenda R. Carpio, Associate Professor of African and African American Studies and of English
J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English
Jason Monroe Crawford, Lecturer on History and Literature
Leo Damrosch, Ernest Bernbaum Professor of Literature (*on leave fall term*)
Leland P. de la Durantaye, Gardner Cowles Associate Professor of English (*on leave 2008-09*)
Daniel G. Donoghue, John P. Marquand Professor of English (*Director of Undergraduate Studies*)
Christine Mary Evans, Briggs-Copeland Lecturer on English
Philip J. Fisher, Felice Crowl Reid Professor of English , Harvard College Professor
Darcy Frey, Briggs Copeland Lecturer on English
Marjorie Garber, William R. Kenan, Jr. Professor of English
Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor
Jorie Graham, Boylston Professor of Rhetoric and Oratory (*on leave fall term*)
Stephen J. Greenblatt, Cogan University Professor
Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore (*on leave spring term*)
Bret A. Johnston, Senior Lecturer on English (*Director of Creative Writing*)
Matthew Kaiser, Assistant Professor of English
Jamaica Kincaid, Visiting Lecturer on African and African American Studies and on English
Joanna G. Klink, Briggs-Copeland Lecturer on English
Barbara K. Lewalski, William R. Kenan, Jr. Professor of History and Literature and of English (*on leave spring term*)
Elizabeth Dyrud Lyman, Assistant Professor of English
Louis Menand, Anne T. and Robert M. Bass Professor of English
Claire Messud, Visiting Lecturer on English
Elisa New, Professor of English
Peter C. Nohnberg, Assistant Professor of English
Julie Stone Peters, Byron and Anita Wien Professor of Drama and of English and Comparative Literature (*on leave 2008-09*)
John M. Picker, Associate Professor of English
Leah Price, Professor of English , Harvard College Professor
Peter Richards, Briggs-Copeland Lecturer on English , Contin Ed/Spec Prog Instructor
Daniel J. Rubin, Briggs-Copeland Lecturer on English
Peter Sacks, John P. Marquand Professor of English (*on leave fall term*)
Robert Scanlan, Professor of the Practice of Theater
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value (*on leave fall term*)
Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave spring term*)
Michael Shinagel, Senior Lecturer on English
Daniel Shore, Lecturer on English
James Simpson, Donald P. and Katherine B. Loker Professor of English, Harvard College Professor (*Director of Graduate Studies*)
Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*on leave fall term*)
John Stauffer, Professor of English and of African and African American Studies



Jason W. Stevens, Assistant Professor of English
Gordon Teskey, Professor of English
Joanne van der Woude, Assistant Professor of English and of History and Literature
Helen Vendler, Arthur Kingsley Porter University Professor, Contin Ed/Spec Prog Instructor (*on leave spring term*)
Nicholas Watson, Professor of English (*on leave 2008-09*)
James Wood, Professor of the Practice of Literary Criticism

Other Faculty Offering Instruction in the Department of English

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology
Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature

English 10a and 10b, both required of concentrators, are often chosen as entry points to the study of English at Harvard. Students are invited, however, to begin at any other point that might seem better suited to their interests and level of preparation: a Freshman Seminar taught by faculty members from the English Department; English 97, the Sophomore Seminar that is required of concentrators; English 17, 34, or a 100-level course, all of which are taught in lecture or seminar-like format according to enrollment size; or, space permitting and with instructor consent, a 90-level Undergraduate Seminar or a Creative Writing Workshop.

I. Creative Writing

Primarily for Undergraduates

Without approval of the department, no student may take more than one full course (two half courses) in Creative Writing in any one year. A Creative Writing course may be repeated for credit provided the student has the permission of the instructor and the Director of Undergraduate Studies of the Department.

***English Cakr. Advanced Playwriting**

Catalog Number: 8581 Enrollment: Limited to 15.

Christine Mary Evans

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This workshop-based course offers students a chance to consolidate previous skills and explore new approaches to developing full-length works. We will combine intensive weekly writing exercises with reading, play analysis and dramatic theory. Students will be asked to experiment with form and content in order to develop their own unique theatrical voices. All students will complete a full-length play in addition to shorter pieces.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Calr. Advanced Screenwriting**

Catalog Number: 1240 Enrollment: Limited to 15.

Daniel J. Rubin



Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

This course will build up writing muscles of students seriously interested in screenwriting. Students will write and re-write scenes; alter and develop characters; solve story problems; re-write dialogue; give and receive pitches; do film analysis; workshop written materials; perform exercises related to the actual work done by professional screenwriters. By the end of the course students will have completed several short film scripts and the first act of an original feature length script.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Camr. Advanced Playwriting 2: Production Workshop - (New Course)**

Catalog Number: 2555 Enrollment: Limited to 15.

Christine Mary Evans and Gideon M. Lester

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

This course is for advanced playwrights, who will begin with a draft play ready for exploration. We will work with each student's play-in-progress through several drafts in a process that models professional practice. In addition to participating in workshop, students will be teamed with a director, actors, and dramaturge as their plays develop, culminating in rehearsed (staged) public readings as part of the inaugural Harvard Playwrights' Festival.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Capr. Advanced Poetry Workshop**

Catalog Number: 6523 Enrollment: Limited to 15.

Jorie Graham

Half course (spring term). W., 1–4.

Open by application to both undergraduates and graduates. Please submit a portfolio including a letter of interest, ten poems, and a list of classes (taken at Harvard or elsewhere) that seem to have bearing on your enterprise. Class lasts 3 hours and includes the study of poetic practice in conjunction with the discussion of student work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cfwr. Fiction Workshop - (New Course)**

Catalog Number: 6999 Enrollment: Limited to 15.

Claire Messud

Half course (spring term). M., 1–3.

This class involves the discussion, analysis, and practice of fundamental aspects of fiction writing through the close reading of literary texts, short exercises, and the writing and revision of short stories. Authors read will include Chekov, Welty, Green, Munro, Sebald, Lydia Davis, and Nam Le. Each student will submit at least two stories for workshop discussion, and one extensive revision; and will be responsible for thorough and constructive critiques of peer's work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.



***English Ckr. Introduction to Playwriting**

Catalog Number: 6781 Enrollment: Limited to 15.

Christine Mary Evans

Half course (fall term; repeated spring term). Tu., 1–3. EXAM GROUP: 15, 16

Plays, unusual beasts in the world of writing, are design templates for live performance.

Therefore, learning to think architecturally is a vital part of the playwright's craft. This workshop-based course introduces students to a range of structural and aesthetic approaches to playwriting—always with live performance in mind. It combines intensive weekly writing and discussion of student work with play analysis and dramatic theory. All students will complete a one-act play and several shorter pieces.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Clr. Introduction to Screenwriting**

Catalog Number: 6121 Enrollment: Limited to 15.

Daniel J. Rubin

Half course (fall term; repeated spring term). Fall: Section I: M., 1–3; Section II: W., 1–3;

Spring: M., 1–4. EXAM GROUP: Fall: 6, 7; Spring: 6, 7, 8

This workshop introduces the art, craft, and business of screenwriting. Students will complete short scripts and off-beat writing exercises focused on dramatic structure, character development, dialogue, theme, and tone; students will also analyze films and screenplays. By exploring visual storytelling, personal versus commercial sensibilities, and alternative approaches to script creation through the writing of short screenplays, students will acquire the tools, skills, and confidence to create feature film scripts.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cnfr. Introduction to Creative Nonfiction - (New Course)**

Catalog Number: 6740 Enrollment: Limited to 15.

Darcy Frey

Half course (fall term; repeated spring term). Fall: Tu., 2–4; Spring: W., 4–6.

Whether in essay, memoir or reportage, creative nonfiction employs many of the same literary techniques as fiction: narrative structure, character development, scene-setting, extended dialogue, emphasis on voice and point of view. In addition to workshopping student writing, we discuss examples of the genre by writers such as Virginia Woolf, William Maxwell, Joan Didion, and John McPhee. Assignments include two 10-15 page narratives, an extensive revision, and typed critiques of classmates' work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cnnr. The Nonfiction Novella - (New Course)**

Catalog Number: 2121 Enrollment: Limited to 15.

Darcy Frey

Half course (fall term; repeated spring term). Fall: W., 4–6; Spring: Th., 4–6.

In any long-form nonfiction (essay, memoir, travelogue, journalism), there are countless ways of structuring and telling a true story. In this workshop, students examine various techniques for



giving nonfiction material dramatic and suspenseful energy: chronology, argument, juxtaposition, retrospection, evolving revelation. In addition to workshoping student writing, we discuss examples of the genre by writers such as Julia Blackburn, Truman Capote, Spalding Gray, and Janet Malcolm. Assignments include two 10-15 page narratives, an extensive revision, and typed critiques of classmates' work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cpr. Poetry Workshop - (New Course)**

Catalog Number: 9817 Enrollment: Limited to 15.

Joanna G. Klink

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Open by application to both undergraduates and graduates. This is a poetry workshop involving critical analysis of student work as well as reading and discussion of poems by established poets. On a weekly basis we will examine student poems and the practical issues in poetics (descriptive language, syntax, diction, etc.) they bring to light. Be prepared to do imitations; some memorization may also be required.

Note: Admission based on submitted samples of writing. Please submit a letter of interest and a portfolio of five poems. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cpr. Poetry Writing**

Catalog Number: 3053 Enrollment: Limited to 15.

Peter Richards

Half course (fall term; repeated spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

A poetry workshop open by application to undergraduate and graduate students alike. In this class students will study modern and contemporary poets and can expect to submit their own poems on a weekly basis for peer review.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cpr. Poetry Workshop**

Catalog Number: 4606 Enrollment: Limited to 15.

Jorie Graham

Half course (spring term). Tu., 1–4.

Open by application to both undergraduates and graduates. Please submit a portfolio including five poems, a letter explaining your interest in the class, and a list of relevant classes taken at Harvard or elsewhere. Class includes the discussion of literary texts as well as work written by students.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cqr. Advanced Poetry Writing**

Catalog Number: 2644 Enrollment: Limited to 15.

Peter Richards

Half course (fall term; repeated spring term). W., 1–4. EXAM GROUP: 6, 7, 8



An advanced poetry workshop with an emphasis on form, revision, and aleatory methods for generating new work. Readings include Guillaume Apollinaire, W.H. Auden, Anna Balakian, Gottfried Benn, Joe Brainard, Anne Carson, Joseph Ceravolo, John Cage, Jean Cocteau, Ann Lauterbach, James Merrill, Robert Motherwell, Leslie Scalapino, Gertrude Stein, and Wallace Stevens among others.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Crr. Fiction Writing**

Catalog Number: 1893 Enrollment: Limited to 15.

Bret A. Johnston

Half course (fall term; repeated spring term). Fall: Th., 4–7 p.m.; Spring: W., 4–7 p.m. EXAM GROUP: Fall: 18; Spring: 9

An introduction to fundamental aspects (technical and conceptual) of writing fiction, beginning with short exercises and moving toward the completion and revision of original work. Readings include Munro, Welty, Diaz, Lahiri, and others, and explore how practicing writers negotiate character, narrative structure, setting, voice, etc. Individual reading assignments are also devised on a per project basis. As the term continues, increasing amounts of time are devoted to the discussion of student work.

Note: Written assignments include exercises, typed critiques for each workshopped story, two original short stories, and at least one extended revision. Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Csr. Fiction Writing**

Catalog Number: 2601 Enrollment: Limited to 15.

Katherine A. Vaz

Half course (fall term; repeated spring term). Tu., 3–5. EXAM GROUP: 17, 18

An introduction to the art and craft of fiction writing. Addresses the basics of character, plot, dialogue, imagery, setting, and description with weekly exercises and informal lectures. Readings include works by Chekhov, O'Connor, Schultz, Cortázar, and Chute. Students are required to submit two stories and to provide thorough commentary on the work of colleagues. Short stories or portions of novels are acceptable.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Ctr. Advanced Fiction Writing**

Catalog Number: 7175 Enrollment: Limited to 15.

Bret A. Johnston

Half course (fall term; repeated spring term). Fall: W., 4–7 p.m.; Spring: Th., 4–7 p.m. EXAM GROUP: Fall: 9; Spring: 18

See English Crr. Students in the advanced class will also make presentations on craft and be expected to revise work more often and to a higher standard.

Note: Admission based on submitted samples of writing. Generally for students who have previously taken fiction workshops. For information on specific application requirements, please see the English Department's Creative Writing web page.



***English Cvr. Fiction Writing**

Catalog Number: 1223 Enrollment: Limited to 15.

Jamaica Kincaid

Half course (fall term; repeated spring term). W., 1–3. EXAM GROUP: 6, 7

A seminar/workshop. Readings include Bruno Schultz, Jean Toomer, Robert Walser, and Rimbaud's *Illuminations*, among others.

Note: Admission based on submitted samples of writing. Submissions from experienced fiction writers are welcome. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cwr. Advanced Fiction Writing**

Catalog Number: 7765 Enrollment: Limited to 15.

Katherine A. Vaz

Half course (fall term; repeated spring term). W., 1–3.

Students make weekly presentations on aspects of craft. Readings include works by Schultz, Morrison, García Marquez, Munro, Rodoreda, and Fitzgerald. Two stories (or portions of novels) are required along with revisions of material (to be decided on a per project basis). Typed critiques must be provided for all work of colleagues under review.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

II. Literature

Primarily for Undergraduates

Introductory Lecture Courses (two lectures, one discussion section weekly).

English 10a. Major British Writers I

Catalog Number: 8327 Enrollment: Open to freshmen.

James Simpson

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. . EXAM GROUP: 12

A chance to read from four rich periods: Anglo-Saxon literature (unrivaled in the Europe of its time for power and sophistication); Anglo-Norman writing (Tristan and Isolde); the late fourteenth-century (where Chaucer's is not the only exceptionally rewarding *oeuvre*); and from Spenser to Milton, including Shakespeare *en route*.

Note: Required of English concentrators. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 10b. Major British Writers II

Catalog Number: 0550

Stephen Louis Burt

Half course (spring term). M., W., at 12. EXAM GROUP: 5

An introduction to the study of British literature from the early 18th century to the present.

Note: Open to freshmen. Two lectures and one section meeting per week. Required of English



concentrators. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[English 17. American Literature to 1915]

Catalog Number: 3883

Half course (fall term; repeated spring term). Hours to be arranged.

To fulfill the English 17 requirement in 2008-09, see English 90wb, English 171a, and English 176.

Note: Expected to be given in 2009–10.

English 90qz. Poetry in America - (New Course)

Catalog Number: 0748 Enrollment: Limited to 15.

Elisa New

Half course (spring term). W., 2–4; and a discussion section to be arranged.

Surveying 300+ years of poetry in America, from the Puritans to the avant-garde poets of this new century, the course covers individual figures (Poe, Whitman, Dickinson, Frost, Williams, Hughes), major poetic movements (Firesides, Modernist, New York, Confessional, L-A-N-G-U-A-G-E) and probes uses of poetry across changing times. Who, and what, are poems for? For poets? Readers? To give vent to the soul? To paint or sculpt with words? Alter consciousness? Raise cultural tone?

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A and the General Education requirement for Aesthetic and Interpretive Understanding.

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 90ab. American "Realists": O'Neill, Williams, Miller - (New Course)**

Catalog Number: 1026 Enrollment: Limited to 15.

Elizabeth Dyrud Lyman

Half course (spring term). M., 4–6. EXAM GROUP: 9

An in-depth look at drama by American playwrights who blended the "isms" of their European predecessors with the idioms of their native soil to create a mature drama deceptively known as "American Realism." Works by Eugene O'Neill, Tennessee Williams, Arthur Miller, and several of their contemporaries. Focus is on the plays themselves -- their literary and dramatic innovations, their philosophical and cultural preoccupations, and the stylistic and interpretative challenges they posed.

***English 90ap. Theology, Aesthetics, and History: Protestantism in American Literature - (New Course)**

Catalog Number: 5850 Enrollment: Limited to 15.

Jason W. Stevens

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This course will cover American texts from the Puritan settlement through the present, with



emphasis on the twentieth century. We will explore the rapid growth of Protestantism into a cultural logic which has been variously revised, conserved, caricatured, repudiated, and resurrected over the course of the American past. Authors include Jonathan Edwards, William Ellery Channing, Hawthorne, Emerson, Catherine Sedgewick, Sherwood Anderson, Sinclair Lewis, H.L. Mencken, Flannery O'Connor, Marilynne Robinson, and James Baldwin.

***English 90fa. Fantasy Before Modernity - (New Course)**

Catalog Number: 9536 Enrollment: Limited to 15.

Jason Monroe Crawford

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course explores the fantastic worlds of medieval poetry and asks what sort of imagination produced them. How is the pre-modern imagination different from our own? How do ideas about the gods, or the cosmos, matter to literary form? Topics include myth and romance; visions and dreams; enchantment and disenchantment; allegory and symbol. Readings include medieval poetry but also range from Augustine and Athanasius to C.S. Lewis and Gordon Teskey.

***English 90ga. Alternative Worlds in Early Modern England**

Catalog Number: 8472 Enrollment: Limited to 15.

Barbara K. Lewalski

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This seminar explores how and why many writers in Early Modern England construct alternative worlds that may contrast with or comment on contemporary England. We will consider Utopias (More's *Utopia*, Bacon's *New Atlantis*, Margaret Cavendish's *Blazing World*), Arcadias (Sidney's *Old and New Arcadia*, Country House Poems), Faerie Land (Spenser's *Faerie Queene*), Eden (Milton's *Paradise Lost*), New World Places (accounts of Bermuda, Virginia, Guiana, etc.).

***English 90ha. Shakespeare's Master Orators - (New Course)**

Catalog Number: 3335 Enrollment: Limited to 15.

Daniel Shore

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Reading of Shakespeare plays that represent improbable feats of persuasion performed by masterful, and often less than ideal, orators. By reading the plays alongside the rhetorical works that informed Shakespeare's age, we will develop an account of how persuasion happens--how spoken words change beliefs and move listeners to action.

***English 90hs. Satire: Augustan and Modern**

Catalog Number: 8795 Enrollment: Limited to 15.

Michael Shinagel

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A study of satire in poetry, prose fiction, and drama. Authors covered are Dryden, Swift, Pope, Johnson, Gay, Voltaire, Orwell, Brecht, Vonnegut, and West.

***English 90lv. Consciousness from Austen to Woolf**

Catalog Number: 3200 Enrollment: Limited to 15.

James Wood



Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

A look at the complex ways in which writers represent their characters' thought in texts by Austen, Flaubert, James, Tolstoy, Chekhov, Giovanni Verga, and Woolf. More broadly, traces the development of stream-of-consciousness, from Austen's incipient mastery of free indirect style, through Flaubert's more sophisticated use of it, to Woolf's full-blown inner monologues, seeing this development as not merely a fact of English and American literature, but as a phenomenon of world literature and an element of our modernity.

[*English 90mf. The Rise of the Novel]

Catalog Number: 6041 Enrollment: Limited to 15.

Michael Shinagel

Half course (spring term). M., 3–5.

The course examines the rise of the novel as a genre in England through a close reading of major works by Bunyan, Defoe, Richardson, and Fielding (*Pilgrim's Progress*, *Robinson Crusoe*, *Moll Flanders*, *Pamela*, *Clarissa*, *Joseph Andrews*, and *Tom Jones*).

Note: Expected to be given in 2009–10. Expected to be given in 2009–10.

***English 90nn. Nonfiction Novel**

Catalog Number: 4416 Enrollment: Limited to 15.

J. D. Connor

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines seemingly inevitable suspensions of disbelief from Defoe to Janet Malcolm. How is it possible to confuse a novel with its external world? What happens when journalism and fiction merge? Course plays close attention to the institutions of veracity (medical, historical, journalistic, legal) and their usual documents (the case history, the cache, the eyewitness account, testimony).

***English 90ow. Oscar Wilde: Artist, Martyr, Celebrity**

Catalog Number: 4506 Enrollment: Limited to 15.

Matthew Kaiser

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

"I have nothing to declare," Wilde reputedly informed a U.S. customs agent in 1882, "except my genius." So began his famous tour of America. We will examine the plays, philosophical writings, poetry, journalism, literary criticism, and fiction of the nineteenth century's most flamboyant and playful writer. We also explore Wilde's life and legend, his literary influences, critics, and his rebirth in the twentieth century as a modern "gay martyr."

***English 90pb. Dramatic Structure and Analysis**

Catalog Number: 4661 Enrollment: Limited to 15.

Robert Scanlan

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Introduces the Plot-Bead technique for analyzing and/or constructing artistic forms that are performance events. Several artworks, most of them plays, but some poems and one musical composition, are studied in detail in the light of depth action analysis and codification of the artifact's time-form in a plot-bead diagram. The roots of these analytical techniques (which have practical utility for artists) are Aristotelian, but are reflected in 21st-century practice.



***English 90qd. Philip Larkin unless John Ashbery - (New Course)**

Catalog Number: 0108 Enrollment: Limited to 15.

Philip J. Fisher

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Recent events within "air's other side" (Rilke). Poetic and counter-poetic language; syntax and its alternatives; form and the varieties of inform; sense and reticence; voice, personhood and their absence; poems, prose and intermediate possibilities. Major and representative works by both authors will be given close, imaginative, analytic attention.

[*English 90qe. Pinter, Stoppard, Churchill, & Frayn]

Catalog Number: 9595 Enrollment: Limited to 15.

Elizabeth Dyrud Lyman

Half course (spring term). W., 3–5.

An in-depth look at the four most influential British playwrights of the late twentieth century.

Readings include generous selections of each author's plays, as well as novels, screenplays, journalism, and essays. Emphasis is on recurring themes that haunt these authors' works, and the innovative techniques they develop to convey them.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10.

***English 90qm. Metaphysical Poetry - (New Course)**

Catalog Number: 4727 Enrollment: Limited to 15.

Gordon Teskey

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

A course on the major lyric poets of the 17th century, Donne, Jonson, Herbert, and Marvell.

What is the relation between poetry and philosophy, between lyric expression and permanent order? In the seventeenth century, medieval notions of order gave way before the rise of science and of early modern philosophy.

***English 90qn. Navigating Ulysses**

Catalog Number: 8643 Enrollment: Limited to 15.

Peter C. Nohrnberg

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

James Joyce's modernist epic supplemented by readings of significant intertexts (*The Odyssey*, *Hamlet*) along with works of secondary criticism. Attention directed to formal aspects of this difficult work as well as to its thematic engagement with important issues of its time, including: Irish nationalism and British colonialism, feminism, the advent of advertising, and the rise of consumer culture.

***English 90qp. 20th-Century American Poetry**

Catalog Number: 6694 Enrollment: Limited to 15.

Peter Sacks

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course attends to the work of several American poets whose careers span much of the second half of the 20th century. Poets include Elizabeth Bishop, James Wright, Randall Jarrell, Adrienne Rich, A.R. Ammons, Frank O'Hara, John Ashbery, and others.



***English 90sb. Samuel Beckett's Plays and Prose**

Catalog Number: 3487 Enrollment: Limited to 15.

Robert Scanlan

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Studies systematically the arc of Samuel Beckett's literary career, with particular emphasis on Beckett's stage and video plays. The course proposes the idea of a "stable habitation for the Self" as one way of understanding both Beckett's thematic *matière* and his astonishing aesthetic innovations in three media: stage, page, and video screen. Video resources supplement reading and discussion of texts, and local productions of the plays are studied when available.

***English 90wb. Jameses and Jamesians - (New Course)**

Catalog Number: 6768 Enrollment: Limited to 15.

Elisa New

Half course (spring term). Tu., 1–3.

First half of the course: Henry James: readings to include *The Portrait of a Lady*, *The Spoils of Poynton*, *The Turn of the Screw* and *The Golden Bowl* as well as representative shorter fictions. Second half of the course: William James, readings in *Pragmatism*, *The Will to Believe* and *Principles of Psychology* plus works by key modernist and pragmatist heirs, W.E.B. Du Bois, John Dewey, Robert Frost, Marianne Moore, Gertrude Stein, Ralph Ellison, Philip Roth.

***English 90xt. Theater/Theory/Text - (New Course)**

Catalog Number: 6372 Enrollment: Limited to 15.

Elizabeth Dyrud Lyman

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The world of theater is a world of ideas. Theory and practice, however we distinguish them by the forms of their articulation ("plays," "manifestos," "theory," "criticism"), are interrelated: we learn by doing, and we revise and expand ideas and techniques in the process. Close readings of selected plays and ideas from Adorno, Artaud, Barthes, Baudrillard, Beckett, Benjamin, Bergson, Butler, Churchill, Cixous, Freud, Hooks, Kane, Kushner, Nietzsche, O'Neill, Parks, Pinter, Shaw, Stoppard, Wilde, and Yeats.

Tutorials, for Undergraduates Only

***English 91r. Supervised Reading and Research**

Catalog Number: 1464

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses.

Note: A graded course. May not be taken more than twice and only once for concentration.

***English 97. Seminar—Sophomore Year**

Catalog Number: 0280

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Introduction to methods of literary analysis. Selected texts studied along with readings in theory and criticism. Required of concentrators in the sophomore year.



***English 98r. Tutorial—Junior Year**

Catalog Number: 3831

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised small group tutorial in the study of literature in English.

Note: Limited to honors concentrators.

***English 99r. Tutorial—Senior Year**

Catalog Number: 3901

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised individual tutorial in an independent scholarly or critical subject.

Note: Two terms required of all thesis honors seniors. To enroll, students must submit for approval a Thesis Proposal.

Prerequisite: Satisfactory completion of one term of English 98r, completion of an undergraduate seminar (90-level) taken in the junior year or earlier, and faculty approval of proposed thesis topic.

For Undergraduates and Graduates

English 101. The History and Structure of the English Language

Catalog Number: 1987

Daniel G. Donoghue

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A survey of the changes in English phonology, morphology, syntax, spelling, and vocabulary, from the earliest times to the present. Explores along the way such topics as attitudes toward language, the impact of political and economic changes, literacy, attitudes toward grammar, the rise of American English, language and social class, and language and gender.

Note: No previous knowledge of linguistics, Anglo-Saxon, or Middle English is required.

English 102d. Anglo-Saxon Language and Culture: Poetry and Belief - (New Course)

Catalog Number: 1178

Joseph C. Harris

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Introduction to the language and culture of England before 1066, with special attention to religion and its expression in poetry. By the end of the term we will have read, in the original, a handful of the greatest short poems in the English language, among them *The Wanderer* and *The Seafarer* and gained some insight into an unfamiliar Christianity. *Note:* Fulfills the College language requirement and the English Department's Foreign Literature requirement if its continuation English 103 is also completed.

English 103g. Anglo-Saxon Language and Culture: Working with Manuscripts

Catalog Number: 0326

Daniel G. Donoghue

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

The task of translation will be supplemented by consistent attention to the manuscript contexts of



Old English literature. The texts will include selections from the Anglo-Saxon Chronicle, *Genesis*, the Exeter Book *Riddles*, *Beowulf*, and others. The course will guide students through basic principles of manuscript study and will culminate in a collaborative edition of an Old English text.

Prerequisite: Honors grade in English 102 or the equivalent.

English 121. Shakespeare After Hamlet - (New Course)

Catalog Number: 2100

Gordon Teskey

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Written at the midpoint of Shakespeare's career (1600-01), *Hamlet* marks the culmination of an experiment in representing the inner life with remarkable human sympathy. *Hamlet* also marks the beginning, in the comedies as much as in the famous tragedies, *Othello*, *King Lear*, and *Macbeth*, of a new and disturbing interest in the human mysteries of sadism, power, eroticism and loss.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

English 127 (formerly Humanities 27). A Silk Road Course: Travel and Transformation on the High Seas: An Imaginary Journey in the Early 17th Century

Catalog Number: 6630

Stephen J. Greenblatt

Half course (spring term). Tu., Th., at 11 and a weekly section to be arranged. EXAM GROUP: 13

A course about global mobility, encounter, and exchange at the time that Harvard College was founded in 1636. Using the interactive resources of computer technology and drawing upon faculty experts from many disciplines, we follow imaginary voyages of three ships that leave England in 1633. Sites include London's Globe Theatre, Benin, Barbados, Brazil, Mexico, Indonesia, Morocco, Istanbul, Venice, Virginia, and Cambridge, Massachusetts. Topics include the slave trade, reconnaissance, colonization, conversion, geography, navigation, and literary culture.

Note: This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

English 129. Shakespeare in Slow Motion: Conference Course - (New Course)

Catalog Number: 0193 Enrollment: Limited to 35.

Marjorie Garber

Half course (spring term). M., 2-4. EXAM GROUP: 7, 8

Close reading of four or five plays by Shakespeare. Participants will be expected to familiarize themselves with the critical, historical, and editorial questions provoked by these plays, and to read some ancillary criticism and theory, but the seminar will focus on an intensive ("slow reading") attention to the text, including, but not limited to, questions of imagery, symbolism, allegorization, philology, nuance, gesture, and affect.

Note: Preference given to undergraduates who have taken a previous course in Shakespeare. Open to all graduate students in English and Comparative Literature without prerequisite.



English 131. Milton: Major Poetry and Prose

Catalog Number: 8005

Gordon Teskey

Half course (spring term). M., W., at 1; F., at 1. EXAM GROUP: 6

An introduction to Milton's life and poetry, with emphasis on his epic poem, *Paradise Lost*. Milton will be studied in relation to the events of his day, in particular, the English revolution, but also in relation to later English poets, especially the romantics.

English 133. Spenser

Catalog Number: 1333 Enrollment: Limited to 15.

Gordon Teskey

Half course (spring term). M., W., at 3. EXAM GROUP: 8

An introduction to Spenser's poetry, concentrating on *The Faerie Queene*. We discuss such problems as the theory of allegory and the question of poetic thinking.

English 141. The 18th-Century Novel

Catalog Number: 8683

Leah Price

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The rise of the novel, seen through eighteenth-century fiction by Defoe, Richardson, Fielding, Sterne, Radcliffe, and Jane Austen, plus films, paintings, and engravings, magazine articles, and excerpts from literary and social theory. Issues include genre (what differentiates novels from epics, romances, newspapers, correspondences, biography, pornography?), modernity (what was novel about the novel?), gender, reading, and pleasure. Lecture-discussion format.

English 151. The 19th-Century Novel

Catalog Number: 8396

Elaine Scarry

Half course (spring term). M., W., at 1. EXAM GROUP: 6

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. Austen's *Emma*, Emily Brontë's *Wuthering Heights*, Mary Shelley's *Frankenstein*, Eliot's *Adam Bede*, Dickens's *Bleak House*, Stevenson's *Dr. Jekyll and Mr. Hyde*, Hardy's *Tess of the d'Urbervilles* and *Mayor of Casterbridge*.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 154. Literature and Sexuality - (New Course)

Catalog Number: 5928

Matthew Kaiser

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Over the last 300 years, "sexuality" has gradually displaced "soul," "mind," and "character" as the most essential and salient ingredient in modern subjectivity, as the "truth" of the self. How has Western literature grappled with, embraced, or stubbornly resisted the sexualization of subjectivity? From Freud to Foucault, *Fanny Hill* to *Story of O*, D.H. Lawrence to Dennis



Cooper, we will map the uneasy alliance between— and intertwining histories of — literature and sexuality.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 156. Crime and Horror in Victorian Literature and Culture

Catalog Number: 4752

Matthew Kaiser

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

The Victorian middle classes were both titillated and repelled by transgression and abnormality: from Jack the Ripper to the Elephant Man, from venereal disease to self-murder. In an era marked by unprecedented prosperity and widespread poverty, the Victorians aggressively policed—and clandestinely crossed—increasingly porous and unstable boundaries. Across a range of literary genres, we will map the nineteenth-century British obsession with crime and horror, with phenomena that rattle one's sense of self.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

English 157. The Classic Phase of the Novel

Catalog Number: 4786

Philip J. Fisher

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

A set of major works of art produced at the peak of the novel's centrality as a literary form: *Pride and Prejudice*, *Madame Bovary*, *Anna Karenina*, *The Brothers Karamazov*, *Buddenbrooks*, *Great Expectations*, *L'Assommoir*. Society, family, generational novels and the negations of crime and adultery; consciousness and the organization of narrative experience; the novel of ideas and scientific programs; realism, naturalism, aestheticism and the interruptions of the imaginary.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

***English 158. The Novel in Europe - (New Course)**

Catalog Number: 1641

Louis Menand and Leah Price

Half course (fall term). Tu., 2–4, and a weekly section and screening to be arranged. EXAM GROUP: 16, 17

A study of nineteenth-century European novels using the concept of adaptation as interpretation. We will read works by Austen, Stendhal, Balzac, Dickens, Flaubert, and Proust and consider a variety of adaptations: films, plays, television mini-series, other works of fiction, and even paintings. Students engage with the material critically (by writing analytical papers) and creatively (by producing their own adaptations of portions of the novels being studied). Lecture-discussion plus section led by the instructors.

Note: This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding and the Core area requirement for Literature and Arts A. Freshmen as well as others are encouraged to apply.



English 160c. Modern British Fiction: Conrad to Beckett

Catalog Number: 7772

Peter C. Nohnberg

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A survey of major works of British fiction written in the first half of the twentieth century by Kipling, Conrad, Forster, Ford, West, Woolf, Joyce, Butts, and Beckett, among others. Topics include: innovations in narrative form, the representation of individual consciousness and identity, responses to imperialism, the Great War, mass culture, and the rise of feminism.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

[English 162c. Modern Drama]

Catalog Number: 4717

Elizabeth Dyrud Lyman

Half course (spring term). Tu., Th., at 2.

A survey course which examines landmark works from Ibsen to Kushner through a focus on generative cultural and stylistic moments (The Woman Question 1880-1900; The Theater of the Absurd 1950-60; The AIDS Crisis 1985-95, etc.). Plays are considered on their own merits and in terms of the broader movements they helped to define. Course includes introduction to terminology and conventions of the genre.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 168d. Postwar American and British Fiction

Catalog Number: 8250

James Wood

Half course (fall term). M., W., at 2. EXAM GROUP: 7

Examines a range of works, including novels and stories by Saul Bellow, Philip Roth, Raymond Carver, Henry Green, Muriel Spark, Ian McEwan, Penelope Fitzgerald, and Martin Amis. Attempts to situate these books in their larger historical traditions, while emphasizing that we are reading a living literature. Some of the selected authors may visit and address our class.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 169. Modern American Poetry - (New Course)

Catalog Number: 9364

Stephen Louis Burt

Half course (fall term). M., W., at 1. EXAM GROUP: 6

Major poets and poems from T.S. Eliot and Robert Frost almost to the present day: we may also read, among others, William Carlos Williams, Wallace Stevens, Elizabeth Bishop, Robert Lowell, Lorine Niedecker, Gwendolyn Brooks, James Merrill and John Ashbery. Appropriate both for students who know some of these poets well, and for those relatively new to the study of poems.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.



English 171a. Colonial American Literature - (New Course)

Catalog Number: 9912

Joanne van der Woude

Half course (fall term). M., W., at 11. EXAM GROUP: 4

From Columbus to freed slaves, nuns to angry Indians: the most exciting period in American literature. Images, objects, and manuscripts help us analyze settler communities, native responses, and national formation.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts C or Historical Study B, but not both.

English 173. Southern Literature and Culture in the United States

Catalog Number: 6162

John Stauffer and Jason W. Stevens

Half course (spring term). M., W., at 12. EXAM GROUP: 5

This interdisciplinary course examines the rich tradition of Southern literature and culture in the US from slavery to the present. We construe culture widely to mean the ways of life as represented by fiction, biography, poetry, cinema, music, theater, photography, historiography, and religion. At least since the antebellum period, the South has defined itself in a defensive and sometimes belligerent posture in relation to the US. We explore the South, as imagined by Southerners, and focus on how the art of this region functions ideologically, rhetorically, aesthetically, and religiously in order to imagine constructions of Southern and national identities.

English 176. The 19th-Century American Novel - (New Course)

Catalog Number: 6267

Elisa New

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The 19th-century American novel jettisons European forms before constituting its own. Declaring independence, plagued by guilt, early novels teeter on (literal and figurative) frontiers-sea/land, history/fantasy, forest/town. Mid-century finds the United States disunited, the novel's sentimental ideal of "Home" tested by slavery, feminism, sectionalism; post-bellum fiction absorbs immigration, new social theories, cities, maturing theories of art, competing media. Foster, Cooper, Poe, Melville, Hawthorne, Stowe, Wilson, Clemens, James, Norris, Cahan, Cather.

English 178x. The American Novel: Dreiser to the Present

Catalog Number: 2168

Philip J. Fisher

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

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*; Cather, *My Ántonia*; 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*; DeLillo, *White Noise*. Stories by London, Anderson, Salinger, Gaitskill, Wallace, Beattie, Lahiri, Roth and Ford.



Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[English 182. Science Fiction]

Catalog Number: 3189

Stephen Louis Burt

Half course (fall term). Tu., Th., at 11.

High points, innovations, and explorations in science fiction as a prose genre from the late 19th century to the present: likely readings include Mark Twain, H. G. Wells, Charlotte Perkins Gilman, Robert A. Heinlein, James Tiptree, Jr. (Alice Sheldon), Octavia Butler, William Gibson, Cordwainer Smith, Richard Powers, and more. (Not a course in television or film.)

Note: Expected to be given in 2009–10.

English 185. Wit and Humor

Catalog Number: 3941

Leo Damrosch

Half course (spring term). M., W., at 1. EXAM GROUP: 6

A wide-ranging survey, with class participation in lecture as well as section, exploring the psychological, sociological, commercial, and artistic dimensions of humor. In addition to theoretical readings by Freud, Bergson, and others, texts will include works by Twain, Wilde, Wodehouse, Barry, Sedaris, and Ephron; among the films will be *Dr. Strangelove*, *Annie Hall*, *Office Space*, and performances by Richard Pryor and Eddie Izzard.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[English 187. Native American Literary Traditions]

Catalog Number: 3570

Lisa T. Brooks

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the Native literatures of North America, focusing on the interpretation of oral traditions, political prose, fiction and poetry through indigenous cultural and historical frameworks. Includes a wide range of readings, from the Mayan *Popol Vuh* and the Haudenosaunee Great Law to the contemporary fiction of Erdrich, Silko, and Alexie. Features an interactive component, offering students the opportunity to learn through speakers and events that locate texts in particular social and geographic landscapes.

Note: Expected to be given in 2009–10.

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 British and American texts from the last two centuries with some Continental works as well.



English 192p. Postmodern Literature

Catalog Number: 5249

Glenda R. Carpio

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

Discusses novels classified by the term “postmodern” and investigates what ideological and stylistic qualities such novels share. Questions how and why writers like Barth, DeLillo, Pynchon, and Reed challenge modernist aesthetics. In what ways does their stylistic experimentation respond to and critique our modes of being and thinking? How is it connected to historical events and technological advancements? In what ways does postmodernist literature renew and transform older forms of literary expression? Readings include *Gravity’s Rainbow* and *Underworld*.

English 197. Religion and American Film

Catalog Number: 4712

Jason W. Stevens

Half course (fall term). Tu., Th., at 12; plus a discussion section and film screening section. EXAM GROUP: 14

Religion has proven a profitable, controversial subject in American cinema. This course introduces students to the topic by combining narrative analysis, film history, and religious study. Areas of inquiry include: how has the cinema’s illusionism enhanced the revivalistic power of traditional iconography? How have films shaped Americans’ perceptions of religious nationalism and empire or supported the belief in a civil religion or reinforced the ideology of a Judeo-Christian consensus?

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Other Courses Offered by Departmental Faculty Members and Faculty Offering Instruction in the Department

Aesthetic and Interpretive Understanding 15 (formerly English 34). Elements of Rhetoric

[African and African American Studies 113. Fictions of Race, Facts of Racism: Perspectives from South African and African American Drama and Fiction]

African and African American Studies 116. Autobiography and Literary Imagination

[African and African American Studies 122. Caribbean Women Writers]

African and African American Studies 131. African-American Literature to the 1920s

[*American Civilization 201 (formerly *American Civilization 371). Themes in the History of American Civilization]

English 90qz. Poetry in America - (New Course)

*Freshman Seminar 33x. Complexity in Works of Art: Ulysses and Hamlet

*Humanities 10. An Introductory Humanities Colloquium

[*Literature 119. On Comparative Arts]

Literature and Arts A-11. Arthurian Literature: Epic versus Romance

Literature and Arts A-22. Poems, Poets, Poetry

[Literature and Arts A-64. American Literature and the American Environment]

Literature and Arts A-72. The Enlightenment Invention of the Modern Self

Literature and Arts A-86. American Protest Literature from Tom Paine to Tupac



Literature and Arts A-88. Interracial Literature

[Literature and Arts C-56. Putting Modernism Together]

[Medieval Studies 114. The Medieval Imagination: Visions, Dreams, and Prophecies]

Visual and Environmental Studies 72. Sound Cinema

***Visual and Environmental Studies 220. The Animal Moment: The Visual and Verbal Animal (Graduate Seminar in General Education) - (New Course)**

Primarily for Graduates

***English 201. Images, Idolatry and Iconoclasm, 1350-1600: Graduate Seminar**

Catalog Number: 4547

James Simpson

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

Images find a very direct way into the depths of the psyche; they provoke both love and fear. Through literary texts, we examine the function of images from the fourteenth to the sixteenth centuries, in both erotic and religious traditions.

English 220. Cultural Mobility in Early Modern England - (New Course)

Catalog Number: 0192

Stephen J. Greenblatt

Half course (spring term). W., 12–2.

This seminar will be taught in conjunction with a general education course (English 127: Travel and Transformation on the High Seas). It will concern itself with global mobility, encounter, and exchange in the late 16th and early 17th centuries. Topics include the slave trade, reconnaissance, colonization, conversion, navigation, and geography, as these are reflected and refracted in literary culture. The central literary works will include four Shakespeare plays, along with texts by Spenser, Raleigh, Jonson, Donne, Milton, and Behn. The theoretical focus will be the emerging field of "mobility studies." And the seminar will have a sustained pedagogical interest: how is it possible, it will ask, to use recent perspectives on cultural discourses and on the cognitive role of the imagination to generate new and inventive undergraduate courses?

***English 227. Fictions of Kin and Kind: Graduate Seminar - (New Course)**

Catalog Number: 6338

Marc Shell

Half course (fall term). Th., 4–6. EXAM GROUP: 18

The literature and rhetoric of kinship. Special attention to the incest taboo, orphanhood, the human-animal distinction, and social fictions of nationhood. Readings include texts by modern theorists of language as well as by Sophocles, Marguerite of Navarre, Elizabeth Tudor, Cervantes, Shakespeare, Racine, Schiller, Goethe, Melville, and Nabokov.

[*English 228y. Milton and His Contemporaries: Literature in the Era of the English Revolution (1629-1674): Graduate Seminar]

Catalog Number: 1277

Barbara K. Lewalski

Half course (fall term). M., 3–5.

Milton's poetry and prose, examined in relation to other texts that refract the experience and



culture of the period: e.g., the poetry of Vaughan, Herrick, the Cavaliers, and Marvell; histories, sermons, political tracts, autobiography, biography.

Note: Expected to be given in 2009–10.

***English 229s. Spenser: Graduate Seminar**

Catalog Number: 1130

Gordon Teskey

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

An introduction to Spenser's poetry, concentrating on *The Faerie Queene*. We discuss such problems as the theory of allegory and the question of poetic thinking.

***English 230. 20th Century Drama: Theory & Texts: Graduate Seminar - (New Course)**

Catalog Number: 7715

Elizabeth Dyrud Lyman

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Major 20th-century texts, approached through close analysis of the texts themselves, and readings in their theoretical and literary-historical contexts. Plays by Beckett, Churchill, Kane, Kushner, O'Neill, Parks, Pinter, Shaw, Stoppard, Wilde, and Yeats.

***English 232a. Authorship, Genre, and Culture, 1603-1640: Graduate Seminar - (New Course)**

Catalog Number: 8379

Barbara K. Lewalski

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Explores various concepts of authorship and the multiple genres emerging within institutions promoting Jacobean and Caroline culture (e.g., court, church, theater, city of London, patronage and coterie circles). Focus on Donne, Johnson, Herbert, Bacon, Wroth, and others.

***English 251. Comparative Romantic Theory: Graduate Seminar**

Catalog Number: 5675

James Engell

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Key romantic topics that remain relevant to literature and art, e.g., symbol, language, aesthetics, nature ("green" romanticism), history, irony, gender. Coleridge, Wordsworth, Shelley, Kant, Schelling, Schiller, Emerson, Fuller, and Poe; others and recent critics as well.

***English 256n. The Victorian Novel: Graduate Seminar**

Catalog Number: 4996

Leah Price

Half course (spring term). M., 4–6. EXAM GROUP: 9

The theory and practice of the Victorian novel. Fiction by Brontë, Gaskell, Dickens, Collins, Eliot, and James, read against Victorian criticism and modern theories of the novel.

***English 257. Joyce: Graduate Seminar - (New Course)**

Catalog Number: 2510

Peter C. Nohrnberg



Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Includes *Dubliners*, *A Portrait of the Artist as a Young Man*, *Exiles*, *Ulysses*, and portions of *Finnegans Wake*. Our reading will be supplemented by a variety of critical approaches: Post-Colonial, Feminist, and Deconstructive.

***English 268. The Poetry of Wallace Stevens: Graduate Seminar**

Catalog Number: 5831

Helen Vendler

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A study of the poetry of Wallace Stevens. Topics: *Harmonium* and “the whole of *Harmonium*”; stylistic variation; Stevens’ genres, from the epigram to the sequence; second-order poetry; the social and the imaginative; allegorical personae.

***English 270. American Civil War (Graduate Seminar in General Education) - (New Course)**

Catalog Number: 7867

John Stauffer

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This interdisciplinary seminar explores the literature, history, and art of the Civil War, from letters, speeches, poetry, and photography to novels, stories, memoirs, and films from the 1850s to World War II. We examine how the war shaped writers and artists and how they shaped the legacies of the war. Authors include Melville, Whitman, Twain, Stowe, Alcott, Dickinson, Douglass, Lincoln, Chesnut, Bierce, Faulkner, and others. The seminar will design and develop a General Education course on these themes for undergraduates.

***English 271. New England -- Classic Texts and Critical Approaches: Graduate Seminar - (New Course)**

Catalog Number: 9834

Elisa New

Half course (fall term). M., 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 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 276x. African-American Literary Tradition: Graduate Seminar**

Catalog Number: 3536

Henry Louis Gates, Jr.

Half course (spring term). M., 1–3.

An exploration of the emergence and 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 are stressed.

***English 280. Critical History: Graduate Seminar - (New Course)**

Catalog Number: 9043



Louis Menand

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Theory and methodology of historically embedded criticism. Readings from theoretical and exemplary texts. Students will work on individual exercises in critical history under the supervision of the instructor and with the participation of the rest of the class. Graduate students only.

***English 286a. W.H. Auden: Graduate Seminar - (New Course)**

Catalog Number: 9629

Stephen Louis Burt

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

All the verse and most of the prose by this major figure of English and American poetry, who moved to the United States in 1939; with some attention to writers he influenced.

***English 292. Methods of Approaching American Literature; Hemingway and Beyond: Graduate Seminar**

Catalog Number: 1618

Werner Sollors

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Issue-oriented approaches to modern literature, using Hemingway as a point of departure; close reading, in different contexts, of an exemplary classic whose current stock seems to be low; archival research in the Hemingway papers.

Note: Please read or reread Hemingway's *The Sun Also Rises* for the first meeting.

***English 294z. On Beauty: Graduate Seminar**

Catalog Number: 7277

Elaine Scarry

Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13

Philosophic and literary accounts of beauty from Greek through modern, including Plato, Aquinas, Dante, Kant, Keats, and Rilke. In addition, the major arguments against beauty; and its stability across four objects (God, gardens, persons, and poems).

***English 295. Marxism and Postcolonial Studies: Graduate Seminar**

Catalog Number: 0865

Biodun Jeyifo

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

Divergent formations of postcolonial studies explored against the background of Marxist theorizations of transnational, postindustrial, postfordist capitalism and its dominant intellectual currents and cultural contradictions. Some feminist, Post-Marxist, liberal-humanist and "Third World" theories of capitalist modernity also explored.

Note: Open to advanced undergraduates with permission of instructor.

***English 299. The Intellectual Life of the Profession: Proseminar**

Catalog Number: 7739

Marjorie Garber

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15



Developments in literary criticism and theory since the 60s (including historicism, psychoanalysis, deconstruction, gender theory, postcoloniality, cultural studies, book history, visual and performance studies), and an overview of the profession: publication, teaching, conferences, research, etc.

Note: An introduction to graduate study in English, open to both first and second year graduate students.

Graduate Courses of Reading and Research

***English 300hf. Old and Middle English: Doctoral Conference**

Catalog Number: 2334

Daniel G. Donoghue 1469, Joseph C. Harris 1089 (on leave spring term), James Simpson 4791, and Nicholas Watson 3851 (on leave 2008-09)

Half course (throughout the year). Hours to be arranged.

The Conference focuses upon dissertations in progress and other research topics of mutual concern. Membership limited to faculty members teaching or conducting research in medieval English language and literature and to graduate students working in this field.

Note: Enrollment is open to all graduate students but is required of those who have been admitted to candidacy for the PhD and who intend to work on a medieval subject.

***English 302hf. Renaissance: Doctoral Conference**

Catalog Number: 2814

Marjorie Garber 7264, Stephen J. Greenblatt 3436, Barbara K. Lewalski 7450 (on leave spring term), and Gordon Teskey 4466

Half course (throughout the year). Alternate W., at 4:15.

The Conference focuses upon dissertations in progress and other research topics of mutual interest.

Note: Limited to faculty members teaching or conducting research in Renaissance literary studies and to graduate students working in the field. Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the PhD and who intend to work on Renaissance topics.

***English 304hf. The Extended 18th Century: Doctoral Conference**

Catalog Number: 6110

Leo Damrosch 2200 (on leave fall term), James Engell 8076, Leah Price 3501, and Michael Shinagel 7659

Half course (throughout the year). Hours to be arranged.

Focuses on dissertations, dissertations in progress, and research topics of mutual interest.

Note: Required of graduate students working, or intending to work, on the Restoration, 18th century, or Romanticism (the periods 1660–1830), and who have been admitted to candidacy for the PhD. Open to other students working on topics in Restoration and 18th-century literature.

***English 306hf. 19th- and 20th-Century British Literature: Doctoral Conference**

Catalog Number: 5268

Leah Price 3501

Half course (throughout the year). Hours to be arranged.



***English 308hf. Drama: Doctoral Conference**

Catalog Number: 6909

Marjorie Garber 7264, Elizabeth Dyrud Lyman 4433, and Elaine Scarry 2206 (on leave fall term)

Half course (throughout the year). Hours to be arranged.

Focuses on research topics related to dramatic literature, theatre, and performance. Open to all faculty members and graduate students teaching or conducting research in the field.

***English 310hfr. American Literature and Culture: Doctoral Conference**

Catalog Number: 6235

Lawrence Buell 2655 (on leave 2008-09), Elisa New 2428, and Werner Sollors 7424 (on leave fall term)

Half course (throughout the year). Hours to be arranged.

Colloquium open to all graduate students working in the area of American literature and culture. Papers delivered by students writing seminar papers or dissertations, faculty members, and visiting scholars.

***English 350. Teaching Colloquium**

Catalog Number: 8208

Marjorie Garber 7264

Half course (fall term). M., 3–5 (biweekly).

The craft of teaching (discussion, lectures, tutorials, course descriptions, syllabi). This colloquium, designed for third-year graduate students, also considers issues related to the field exam, prospectus, and other aspects of advanced graduate study in English.

Note: Required of all third-year graduate students.

***English 397. Directed Study**

Catalog Number: 6588

Members of the Department

***English 398. Direction of Doctoral Dissertations**

Catalog Number: 5968

Daniel Albright 4615 (on leave spring term), Homi K. Bhabha 4100 (on leave fall term), Lawrence Buell 2655 (on leave 2008-09), Stephen Louis Burt 5945 (fall term only), Glenda R. Carpio 4408, Leo Damrosch 2200 (on leave fall term), Leland P. de la Durantaye 4457, Daniel G. Donoghue 1469, James Engell 8076, Philip J. Fisher 1470, Marjorie Garber 7264, Henry Louis Gates, Jr. 2899, Jorie Graham 2358 (on leave fall term), Stephen J. Greenblatt 3436, Joseph C. Harris 1089, Matthew Kaiser 5443 (fall term only), Barbara K. Lewalski 7450 (on leave spring term), Elizabeth D. Lyman 4433, Louis Menand 4752, Elisa New 2428, Peter C. Nohrnberg 4726, John M. Picker 3728, Leah Price 3501, Peter Sacks 2161 (on leave fall term), Elaine Scarry 2206 (on leave fall term), Marc Shell 3176 (on leave spring term), Michael Shinagel 7659, James Simpson 4791, Werner Sollors 7424 (on leave fall term), John Stauffer 1006, Jason W. Stevens 5406 (fall term only), Gordon Teskey 4466, Helen Vendler 7226 (on leave spring term), and Nicholas Watson 3851 (on leave 2008-09)

Note: Normally limited to students reading specifically in the field of a proposed doctoral dissertation. Open only by petition to the Department; petitions should be presented during the



term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

***English 399. Reading and Research**

Catalog Number: 1825

Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Conducted through regular conferences and assigned writing. Limited to students reading specifically on topics not covered in regular courses. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

Environmental Science and Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Environmental Science and Public Policy

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of Biological Oceanography (*Chair*)

William C. Clark, Harvey Brooks Professor of International Science Public Policy and Human Development (*Kennedy School*)

Richard T. T. Forman, Professor of Advanced Environmental Studies in the Field of Landscape Ecology (*Design School*)

N. Michele Holbrook, Charles Bullard Professor of Forestry

Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies (*Kennedy School*)

Jonathan Losos, Monique and Philip Lehner Professor for the Study of Latin America and Curator in Herpetology (*on leave spring term*)

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental Science and Engineering

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Martin L. Weitzman, Professor of Economics

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science

Other Faculty Offering Instruction in Environmental Science and Public Policy



Paul R. Epstein, Lecturer on Environmental Science and Public Policy
David J. Goldston, Visiting Lecturer on Environmental Science and Public Policy
James S. Hoyte, Lecturer on Environmental Science and Public Policy
Jennifer Leaning, Professor of International Health (*Public Health*) and Associate Professor of Medicine (*Medical School*)
Navjot Singh Sodhi, Visiting Scholar in Organismic and Evolutionary Biology

The Environmental Science and Public Policy concentration is overseen by a Standing Committee functioning as a Board of Tutors including representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program.

The concentration is designed to provide a multidisciplinary introduction to current problems of the environment. It is founded on the premise that the ability to form rational judgments concerning many of the complex challenges confronting society today involving the environment requires both an understanding of the underlying scientific and technical issues and an appreciation for the relevant economic, political, legal, historical, and ethical dimensions. It offers students an opportunity to specialize in a specific area of either natural or social science relating to the environment. All students have to satisfy a core of requirements in biology, chemistry, earth and planetary sciences, economics, government, and mathematics.

Primarily for Undergraduates

Environmental Science and Public Policy 10. Environmental Policy

Catalog Number: 6383

William C. Clark (Kennedy School)

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

This course develops the concepts and skills needed to design effective public policy for managing interactions between social and environmental systems. We will seek to understand the policy process; to master an interdisciplinary methodology for mobilizing relevant knowledge of political processes, decision functions, and environmental systems; and to integrate that knowledge in solutions that advance our common interests in environmentally sustainable human development. The course is organized around hands-on cases in policy analysis and design.

Note: Intended for interested students from all concentrations. Expected to be omitted in 2009-10.

Environmental Science and Public Policy 78. Environmental Politics

Catalog Number: 3613 Enrollment: Limited to 30.

Sheila S. Jasanoff (Kennedy School)

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An introduction to the history, organization, goals, and ideals of environmental protection in America. Examines the shift in emphasis from nature protection to pollution control to sustainability over the 20th century and develops critical tools to analyze changing conceptions of nature and the role of science in environmental policy formulation. Of central interest is the relationship between knowledge, uncertainty, and political or legal action. Theoretical



approaches are combined with case studies of major episodes and controversies in environmental protection.

Environmental Science and Public Policy 90. Junior Seminars

Enrollment in these seminars is limited, with preference given to Environmental Science and Public Policy concentrators in their junior year. One junior seminar fulfills the junior seminar requirement for Environmental Science and Public Policy concentrators.

***Environmental Science and Public Policy 90a. Energy, Technology, and the Environment**

Catalog Number: 2189

Michael B. McElroy

Half course (fall term). Tu., 1–4.

The seminar will provide an account of the technologies that shape our world with a perspective on how they evolved, the benefits that ensued and the environmental challenges that arose as a consequence. Topics include prospects for renewable energy and options to minimize damage from conventional sources of energy. Specific attention is directed to challenges faced by large developing economies emphasizing the need for a cooperative approach to ensure an equitable, environmentally sustainable, global future.

***Environmental Science and Public Policy 90c. Ecology and Land-Use Planning**

Catalog Number: 3792

Richard T. T. Forman (Design School)

Half course (spring term). T., 2–5:15, including a required one-week field study, and a one-day field study.

Investigation of how local and regional human activities such as housing, agriculture, water supply, and natural resource use can be arranged in the landscape so that environmental processes are not disrupted and ecosystems are maintained for the long term. The focus is on learning and applying spatial and ecological principles to land-use planning with the intention of regional biodiversity conservation, maintenance of water quality, and addressing other environmental issues.

***Environmental Science and Public Policy 90d. Status of Environmental Justice as a Public Policy Issue**

Catalog Number: 5824

James S. Hoyte

Half course (spring term). W., 3–5.

Examines the influences of race, socioeconomic status, and interest group politics in the formulation and implementation of US federal and state environmental policy. Topics include the civil rights struggle and the environmental justice movement, role of race in environmental policymaking, residential and occupational exposure patterns of environmental pollution, racial diversity in the environmental movement, socioeconomic factors shaping the research agenda for environmental affairs, facilities siting and community impacts, and lead contamination as an environmental justice issue.



***Environmental Science and Public Policy 90e. Conservation Biology**

Catalog Number: 6879

Navjot Singh Sodhi

Half course (spring term). Th., 2:30–5.

The loss of biodiversity and natural ecosystems are currently regarded as one of the most pressing problems facing humanity. Nowhere in the world is conservation more critical than in the highly biodiverse region of the tropics. Massive anthropogenic land use changes are taking place there, however. These changes not only jeopardize native biodiversity but also people. Environmental apathy, corruption, poor natural resource governance, poverty and lack of conservation funding remain formidable challenges for tropical conservation biologists. This course will provide opportunities for students to discuss key issues related to biodiversity conservation in the tropics.

Note: Local field trips within New England to be arranged.

***Environmental Science and Public Policy 90f. Global Change and Human Health**

Catalog Number: 4434

James J. McCarthy and Paul R. Epstein

Half course (spring term). Tu., 1:30–4.

Global consequences of increasing human population and our consumption of natural resources include extensive changes in many natural ecosystems and in the composition of Earth's atmosphere. In the last decade, geographic ranges of certain well known infectious diseases have expanded and new diseases have become threats to human health. This seminar explores hypothesized linkages between changes in ecosystems, climate, and the epidemiology of certain infectious diseases.

***Environmental Science and Public Policy 90j. Environmental Crises and Population Flight**

Catalog Number: 9841

Jennifer Leaning (Medical School) (Public Health, Medical School)

Half course (fall term). Tu., 2–4.

War, disaster, drought, or famine force people to flee their land. The humanitarian consequences of this loss of place and livelihood are filled with complexity, relating to the extent and permanence of environmental destruction wrought by these crises, people's attachment to their homes and ecosystems, the circumstances of departure, the destinations of refuge, and the possibilities for return. These issues will be examined through case studies and review of literature on forced migration and calamity.

***Environmental Science and Public Policy 90m. Climate Change Solutions**

Catalog Number: 0545

Daniel P. Schrag

Half course (spring term). W., 2–4.

Reducing the risk of catastrophe from future climate change requires dramatic reductions in global CO₂ emissions. This course explores the various strategies the world will employ to do this including increasing energy efficiency, expanding the use of non-fossil energy including renewables and nuclear power, and also carbon capture and storage from stationary sources of



fossil fuel use. Students work in teams to develop pathways to clean energy deployment in various regions around the world.

***Environmental Science and Public Policy 90o. The Politics of Science and Environmental Policy**

Catalog Number: 6377 Enrollment: Science and non-science majors are encourage to enroll.

David J. Goldston

Half course (spring term). W., 2–5.

The course examines how the U.S. federal government funds and uses scientific and technical research. We examine current debates on such issues as how much money should be spent on science and what kinds of science, how to keep the U.S. economically competitive, how universities and industry should interact, how energy policy should be established and implemented, and how science should be used in a variety of environmental debates.

***Environmental Science and Public Policy 91r. Supervised Reading and Research**

Catalog Number: 1705

James J. McCarthy and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading and research on topics not covered by regular courses of instruction. Students must complete a registration form, including permission from their faculty sponsor, with the concentration office before course enrollment. A final paper describing the research/reading completed during the term is due in duplicate to the Head Tutor on the first day of reading period.

Note: Intended for junior and senior concentrators in Environmental Science and Public Policy; open to sophomore concentrators only under exceptional circumstances. Permission of the Head Tutor is required for enrollment. May be counted for concentration only with the special permission of the Head Tutor.

***Environmental Science and Public Policy 99r. Tutorial — Senior Year**

Catalog Number: 5666

James J. McCarthy and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Senior honors candidates must take at least one term of this course (fall or spring) while writing a thesis. If taken for two terms, only one term can be counted toward meeting concentration requirements.

Ethnic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



The 2008-09 membership of this committee had not been determined at the time *Courses of Instruction* went to press; below is the committee's most recent roster. If complete membership information for 2008-09 becomes available, it will be added to the on-line course catalog.

Faculty of the Committee on Ethnic Studies

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House (*Chair*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology

Vincent Brown, Dunwalke Associate Professor of American History (*on leave 2008-09*)

Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology (*on leave spring term*)

Joyce E. Chaplin, James Duncan Phillips Professor of Early American History

Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor (*on leave spring term*)

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies, Senior Adviser to the Dean on Faculty Development and Diversity

Susan W. Lewis, Director of the Core Program

Carmen D. Lopez, Executive Director, Harvard University Native American Program (*Kennedy School*)

Malinda Maynor Lowery, Assistant Professor of History (*on leave 2008-09*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave spring term*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*on leave fall term*)

Rachel St. John, Assistant Professor of History

Mary C. Waters, M. E. Zukerman Professor of Sociology

The Committee on Ethnic Studies is an Interdisciplinary Coordinating Committee constituted of faculty members from across the disciplines appointed to encourage and promote course offerings on ethnicity in the US. Ethnic studies might briefly be described as the study of aspects of collective identity shaped by factors ranging from descent to affinity. The field has emerged from and continues to flourish within individual departments as well as across disciplinary boundaries. Methodologies for the study of ethnicity vary, as does subject matter, which ranges from expressive culture to social organization, but scholars in ethnic studies share the challenge of studying intensely heterogeneous populations and materials. American ethnic communities have provided an important focus as well as particularly rich units of study for scholars of ethnicity, giving rise to many of the foundational works in the field. At the same time, both research and pedagogy in ethnic studies is often international and comparative in its purview due to the interaction between and among communities within individual locales as well as the global



flow of people in diaspora. Ethnic studies have further given rise to a lively and growing body of theoretical work, sparked in part by the necessity to document and interpret the redefinition of identity through on-going processes shaped both by descent and consent.

The Committee on Ethnic Studies oversees the disposition of two FTE's annually to bring to campus visitors who offer courses in Native American, US Latino, and Asian American Studies. Past course offerings have spanned such topics as Native American Art and Architecture, Asian American Literature, Spanish Caribbean Music, Comparative Urban Latino Politics, and the relationship among Native Americans, Hispanos, and Anglos in the American Southwest.

To see additional committee activities, please see the website: www.fas.harvard.edu/~cesh/

The Committee does not offer an undergraduate concentration or an advanced degree. However, concentrations focusing on topics relating to ethnic studies can be undertaken through many departments, as well as within programs such as Social Studies, History and Literature, Folklore and Mythology, and Special Concentrations.

Core Courses in Ethnic Studies

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam](#)

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)

[Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture](#)

[\[Foreign Cultures 86. West African Cultures\]](#)

[Foreign Cultures 88. The African Experience: Between Tradition and Modernity](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study A-16. Modern South Asia in Global History](#)

[Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa](#)

[\[Literature and Arts A-48. Modern Jewish Literature\]](#)

[Literature and Arts A-88. Interracial Literature](#)

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World](#)

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue](#)

[Social Analysis 54. American Society and Public Policy](#)

[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)

Freshman Seminars in Ethnic Studies

[*Freshman Seminar 37y. Muslim Voices in Contemporary World Literatures](#)

[*Freshman Seminar 40y. Histories of the US-Mexico Border](#)

Courses with a Primary Focus on Ethnicity in the United States



[*History 74a (formerly *History 1612). African Diaspora in the Americas]
[History 1330 (formerly History 1661). Social Thought in Modern America]
[History 1430 (formerly History 1657). Native America: The East]
[History 1431 (formerly History 1658). Native America: The West]

Courses Related to Ethnicity and the United States

[Anthropology 1090. Ethnography and Archaeology]
[*Anthropology 1610. Ethnographic Research Methods](#)
[Anthropology 1850. Ethnography as Practice and Genre](#)
[Chinese Literature 132. Chinatowns](#)
[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context](#)
[Folklore and Mythology 126. Continuing Oral Tradition in Native American Literature](#)
[Government 20. Introduction to Comparative Politics](#)
[*History 74e. North American Borderlands History - \(New Course\)](#)
[*History 84c \(formerly *History 1610\). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America](#)
[Music 194r. Special Topics: Proseminar](#)
[*Sociology 184. Freedom in America: An Historical Sociology: Conference Course]
[Studies of Women, Gender, and Sexuality 1162. Imagining Asian America - \(New Course\)](#)
[Visual and Environmental Studies 189. Exploring Culture Through Film]

Courses Related to Ethnicity outside the United States

[Chinese Literature 132. Chinatowns](#)
[French 70c. Introduction to French Literature III: The Francophone World](#)
[*Government 98gs \(formerly *Government 90gs\). Civil Society in Asia](#)
[Government 1295. Comparative Politics in Latin America](#)
[Government 1760. International Relations of East Asia]
[*History 84c \(formerly *History 1610\). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America](#)
[*History 89c (formerly *History 1958). Islam and Ethnicity]
[Literature 166 \(formerly Comparative Literature 166\). The Comic Tradition in Jewish Culture](#)
[Music 190r. Topics in World Music: Proseminar]
[Music 206r. Research Methods in Ethnomusicology: Musical Ethnography](#)
[Music 207r. Ethnomusicology: Seminar]
[Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media](#)
[Portuguese 44 \(formerly Portuguese 38\). Images of Brazil: Contemporary Brazilian Cinema](#)
[Religion 11. World Religions Today: Diaspora, Diversity and Dialogue]
[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]
[*Social Studies 98gf. Modernity and Social Change in East Asia](#)



Studies of Women, Gender, and Sexuality 1210ft. Feminist Theory: Feminism and Psychoanalysis

European Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on European Studies

David Blackbourn, Coolidge Professor of History (*Chair*)
Peter J. Burgard, Professor of German
Pepper D. Culpepper, Associate Professor of Public Policy (*Kennedy School*)
Grzegorz Ekiert, Professor of Government
Niall Ferguson, Laurence A. Tisch Professor of History (FAS) and Professor of Business Administration (*Business School*) (*on leave fall term*)
Patrice Higonnet, Robert Walton Goelet Professor of French History
Stanley Hoffmann, Paul and Catherine Battenwieser University Professor (*on leave fall term*)
Maya Jasanoff, Associate Professor of History
Mary D. Lewis, John L. Loeb Associate Professor of the Social Sciences
Charles S. Maier, Leverett Saltonstall Professor of History
Cindy Skach, Associate of the Institute for Quantitative Social Science
Judith Surkis, Associate Professor of History and of History and Literature
Daniel F. Ziblatt, Associate Professor of Government and of Social Studies

The Standing Committee on European Studies is the formal oversight body for the Minda de Gunzburg Center for European Studies. It is comprised of those permanent faculty members who have offices in the Center and selected other representatives of FAS and of other universities in the Boston area who remain active in the study and teaching of modern Europe.

For over thirty years, the Center for European Studies has offered an interdisciplinary program designed to enhance the knowledge and understanding of political, social, economic, and cultural developments in modern Europe. Its members' intellectual approaches encompass history, political science, political economy, anthropology, sociology and cultural studies. Its purview includes all the regions of Europe as well as the institutional structures within individual countries and the European Union. The Center funds undergraduate thesis travel, dissertation fellowships, and offers several post-doctoral fellowships. Its quarters in Busch Hall provide office space for faculty, visiting scholars, and doctoral students on Europe. At the same time, the Center supports several study groups that maintain a schedule of seminars and presentations by visiting scholars and speakers from the world of public affairs and it organizes periodic



conferences and workshops on European affairs. It maintains a program for the study of Germany and Europe initially funded by the Federal Republic of Germany and now supported by the Center's endowments. The Center is actively engaged in cooperation to advance European studies with other Harvard Faculties and Boston-area universities.

Expository Writing

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Writing and Speaking

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature (*Chair*)

Noël Bisson, Associate Dean of Undergraduate Education (*ex officio*)

Drew Fudenberg, Frederic E. Abbe Professor of Economics

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies

Thomas R. Jehn, Preceptor in Expository Writing (*Interim Director of Expository Writing*)(*ex officio*)

Courtney Bickel Lamberth, Assistant Dean of Harvard College (*ex officio*)

Jill M. Lepore, David Woods Kemper '41 Professor of American History

David McCann, Korea Foundation Professor of Korean Literature

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Director of Studies*)

Margo I. Seltzer, Harvard College Professor and Herchel Smith Professor of Computer Science

James Wilkinson, Lecturer on History and Literature (*Director of the Derek Bok Center for Teaching and Learning*) (*ex officio*)

Other Faculty Offering Instruction in the Expository Writing Program

Thomas R. Jehn, Preceptor in Expository Writing (*Interim Director, Expository Writing*)

Laura L. Adams, Lecturer on Sociology, Preceptor in Expository Writing

Michael Baran, Preceptor in Expository Writing

Patricia M. Bellanca, Preceptor in Expository Writing

A. Licia Carlson, Preceptor in Expository Writing

Owen Chen, Preceptor in Expository Writing

Jill Constantino, Preceptor in Expository Writing

Jeffrey Cordell, Preceptor in Expository Writing

Sigrid Anderson Cordell, Preceptor in Expository Writing

Jason D'Cruz, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor

Sarah Ferguson-Wagstaffe, Preceptor in Expository Writing



Heather Fielding, Preceptor in Expository Writing
 Lydia A. Fillingham, Preceptor in Expository Writing
 Brett Flehinger, Preceptor in Expository Writing
 Elizabeth Greenspan, Preceptor in Expository Writing
 Gregory A. Harris, Preceptor in Expository Writing
 Karen L. Heath, Senior Preceptor in Expository Writing
 James P. Herron, Preceptor in Expository Writing, Teaching Assistant in African and African American Studies, Contin Ed/Spec Prog Instructor
 Damon Krukowski, Visiting Lecturer on Visual and Environmental Studies, Preceptor in Expository Writing
 Marlon D. Kuzmick, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor
 Stephen N. Larsen, Preceptor in Expository Writing
 Eric C. LeMay, Associate Director of the Derek Bok Center for Teaching and Learning, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor
 John C. McMillian, Preceptor in Expository Writing, Tutor in Quincy House, Supervisor of the House Library in Quincy House
 Kelsey W. McNiff, Preceptor in Expository Writing
 Rachel Meyer, Preceptor in Expository Writing, Lecturer on Sociology
 Srilata Mukherjee, Preceptor in Expository Writing
 Tess O'Toole, Preceptor in Expository Writing
 Eliezra H. Schaffzin, Preceptor in Expository Writing
 Emily J. Shelton, Preceptor in Expository Writing
 Zachary Sifuentes, Preceptor in Expository Writing
 Paul Sludds, Preceptor in Expository Writing
 Michelle Syba, Preceptor in Expository Writing
 Jane E. Unrue, Preceptor in Expository Writing
 Kenneth J. Urban, Preceptor in Expository Writing
 Andrea L. Volpe, Preceptor in Expository Writing
 Steven F. Wandler, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor

For Undergraduates Only

Expository Writing 20 fulfills the basic requirement in Expository Writing, a requirement for all undergraduates in their first year of residence. The Expository Writing Program also offers two elective courses, Expos 10 and Expos 50. No Expository Writing courses have midterm or final examinations. For additional information on Expository Writing courses, see www.fas.harvard.edu/~expos.

Expository Writing 10. Introduction to Expository Writing

Catalog Number: 6344 Enrollment: Limited to 10 students per section.

Members of the Department

Half course (fall term). Two 1-hour sessions weekly; see www.fas.harvard.edu/~expos for list of section meeting times. EXAM GROUP: 4

A rigorous, intensive elective that helps students prepare for the demands of college writing. In small classes, students work closely with instructors on developing and organizing ideas, analyzing sources, and writing clear, engaging essays. Students also meet frequently in



individual conferences with instructors to discuss their work. Assignments are based on sources from a range of disciplines and genres.

Note: After taking Expository Writing 10, a student must pass Expository Writing 20 to meet the College's Expository Writing requirement.

Expository Writing 20. Expository Writing

Catalog Number: 5518 Enrollment: Limited to 15 students per section.

Members of the Department

Half course (fall term; repeated spring term). Two 1-hour sessions weekly; see www.fas.harvard.edu/~expos for list of section meeting times and topics.

An intensive seminar that aims to improve each student's ability to discover and reason about evidence through the medium of essays. Each section focuses on a particular theme or topic, described on the Expos Website. All sections give students practice in formulating questions, analyzing both primary and secondary sources and properly acknowledging them, supporting arguments with strong and detailed evidence, and shaping clear, lively essays. All sections emphasize revision.

Note: Students must pass one term of Expository Writing 20 to meet the College's Expository Writing requirement.

***Expository Writing 40. Public Speaking Practicum - (New Course)**

Catalog Number: 9155 Enrollment: Limited to 12.

Rebekah Maggor

Half course (spring term). M., 1–3.

This course develops and strengthens the skills necessary for successful public speaking. Students learn strategies for impromptu speaking, preparing and delivering presentations, formulating and organizing persuasive arguments, cultivating critical thinking, engaging with an audience, using the voice and body, and building confidence in oral expression. Besides refining their skills, students receive training as public speaking tutors in preparation for serving as peer tutors for the Derek Bok Center's Program in Speaking and Learning.

Note: See www.fas.harvard.edu/~expos for admission information.

***Expository Writing 50. Advanced Writing 50**

Catalog Number: 3819 Enrollment: Limited to 12.

Eric C. LeMay

Half course (spring term). M., 3–5.

A chance to explore your potential as a writer, this course asks students to engage with work by journalists, politicians, anthropologists, poets, and neuroscientists. On-line and on paper, sample the travelogue, epistle, audiodiary, meditation, autobiography, review, profile, and multimedia essay. As you emulate pieces found in *The New Yorker* and hung at the Fogg, discover a variety of ways to persuade, inform, and delight your readers.

Note: See www.advanced-writing.info for admission information.



Film and Visual Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Standing Committee on Higher Degrees in Film and Visual Studies

D. N. Rodowick, Professor of Visual and Environmental Studies (*Chair, Director of Graduate Studies*)

Giuliana Bruno, Professor of Visual and Environmental Studies

Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology (*on leave spring term*)

Eileen Cheng-yin Chow, Associate Professor of Chinese Literary and Cultural Studies

Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures and of Visual and Environmental Studies

J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English

Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts

Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies (*on leave spring term*)

Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures

Justin Weir, Professor of Slavic Languages and Literatures (*on leave spring term*)

Related Courses of Interest for Film and Visual Studies Graduate Program

[*Anthropology 2635. Image/Media/Publics: Seminar]

[*Anthropology 2835r. Sensory Ethnography I]

[*Anthropology 2836r. Sensory Ethnography II: Studio Course](#)

[*Anthropology 2845. Media Anthropology Theory]

[Chinese Literature 225. Visual Evidence]

[*Comparative Literature 257. Trauma, Memory, and Creativity]

[Comparative Literature 273. Approaches to Modernity: The Metropolis](#)

[German 244. Readings in German Film Theory]

[German 269. Introduction to Film Analysis](#)

[*History of Art and Architecture 277s. Circa 1970](#)

[Japanese Literature 260. Japanese Cinema - \(New Course\)](#)

[Portuguese 151 \(formerly Portuguese 251\). Culture in Turmoil: Brazil in the 50s, 60s and 70s](#)

[Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930](#)

[*Visual and Environmental Studies 220. The Animal Moment: The Visual and Verbal Animal \(Graduate Seminar in General Education\) - \(New Course\)](#)

[*Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History](#)

[*Visual and Environmental Studies 271. Proseminar in Film and Visual Studies: Theory](#)

[*Visual and Environmental Studies 292r. Philosophy and Film: Seminar]

*Visual and Environmental Studies 301. Film Studies Workshop

*Visual and Environmental Studies 310. Reading and Research

*Visual and Environmental Studies 320. Directed Study



Folklore and Mythology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Standing Committee on Degrees in Folklore and Mythology

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology (*Chair*)

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology

Julie A. Buckler, Professor of Slavic Languages and Literatures

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Head Tutor*)

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore (*on leave spring term*)

Michael Herzfeld, Professor of Anthropology

Barbara L. Hillers, Associate Professor of Celtic Languages and Literatures

Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages (*on leave 2008-09*)

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*on leave spring term*)

David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave spring term*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Kimberley C. Patton, Professor of the Comparative and Historical Study of Religion (*Divinity School*)

Michael J. Puett, Professor of Chinese History (*on leave 2008-09*)

Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature (*on leave 2008-09*)

John Stauffer, Professor of English and of African and African American Studies

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Affiliated Members of the Committee on Degrees in Folklore and Mythology

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

David F. Elmer, Assistant Professor of the Classics

Patrick K. Ford, Margaret Brooks Robinson Research Professor of Celtic Languages and Literatures

Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)

Felicity A. Lufkin, Lecturer on Folklore and Mythology

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment



Robb Moss, Rudolf Arnheim Lecturer on Filmmaking, Contin Ed/Spec Prog Instructor
John E. Murdoch, Professor of the History of Science
Lena Elisabeth Norrman, Visiting Lecturer on Germanic Languages and Literatures (*University of Minnesota*)
Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies
Robert Scanlan, Professor of the Practice of Theater
Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House
P. Oktor Skjaervo, Aga Khan Professor of Iranian (*on leave fall term*)
Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean of Arts and Humanities
Mary M. Steedly, Professor of Anthropology (*on leave 2008-09*)
Laurel Thatcher Ulrich, 300th Anniversary University Professor
Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
Michael Witzel, Wales Professor of Sanskrit, Contin Ed/Spec Prog Instructor (*on leave fall term*)

Tutorials in Folklore and Mythology

Primarily for Undergraduates

[*Folklore and Mythology 90d. African Women Storytellers]

Catalog Number: 8479 Enrollment: Limited to 15.

Deborah D. Foster

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Reading (in translation) transcribed oral narratives, praise poems, autobiographies, plays and songs, in conjunction with historical and ethnographic sources, in this seminar we will attempt to understand the way in which (some) African women have shaped and been shaped by their societies, nations and families, how they envision their lives in relation to these social groupings, and how they express their experiences through these various performances.

Note: Expected to be given in 2009–10. Preference given to Folklore and Mythology and African and African American Studies Concentrators, and students pursuing a Secondary Field in Folklore and Mythology.

[Folklore and Mythology 90f. The Moonbat Monologues: Tinfoil Hats, Conspiracies, and Popular Culture]

Catalog Number: 6106

Stephen A. Mitchell

Half course (fall term). Hours to be arranged.

Reviews American popular culture at the extremes in light of theories about 'scapegoats', rumor (or moral) panics, and Internet hoaxes. Probable case studies include conspiracies about 9/11, "blood for oil", the CBS National Guard hoax, the Kennedy assassination, the Apollo 11 moon landing, Area 51, SRA, and ZOG.

Note: Expected to be given in 2009–10.

[Folklore and Mythology 90g. Saga and Legend] - (New Course)

Catalog Number: 6086



Joseph C. Harris

Half course (spring term). Hours to be arranged.

The Icelandic family sagas are rooted in history and legend. The course will attempt to introduce the relevant history and especially to study the concept of legend. The literary history of the sagas is a famous unsolved problem that is usually viewed in terms of an oral-literary binary; I propose to throw a different light on the problem by studying the sagas through the folkloristic lens of legend.

Note: Expected to be given in 2009–10.

***Folklore and Mythology 91r. Supervised Reading and Research**

Catalog Number: 2425

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Instruction and direction of reading on material not treated in regular courses of instruction; special work on topics in folklore, mythology, and oral literature. Normally available only to concentrators in Folklore and Mythology.

Note: Applicants must consult the Chairman of the Committee or the Head Tutor. The signature of the Chairman or the Head Tutor is required.

***Folklore and Mythology 97 (formerly *Folklore and Mythology 97a). Fieldwork and Ethnography in Folklore**

Catalog Number: 3789 Enrollment: Limited to 12.

Deborah D. Foster

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Introduces concentrators to the study of traditions - their performance, collection, representation and interpretation. Both ethnographic and theoretical readings serve as the material for class discussion and the foundation for experimental fieldwork projects.

Note: Required of all, and limited to, concentrators.

***Folklore and Mythology 98a (formerly *Folklore and Mythology 97b). Oral Literature and the History of Folkloristics**

Catalog Number: 5039 Enrollment: Limited to 12.

Joseph C. Harris

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Considers the implications of orality, literacy, performance, and transmission from ethnographic, literary and historical points of view. Examples and case-studies typically drawn from the Balkans, the American Southwest, Africa, and medieval Europe. Tutorial readings include works by Parry, Lord, Nagy, Ong, Foley, Zumthor, and Bauman.

Note: Required of all, and limited to, concentrators.

***Folklore and Mythology 98b (formerly *Folklore and Mythology 98). Tutorial — Junior Year**

Catalog Number: 3685

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of all concentrators. The signature of the Head Tutor or Chairman of the



Committee on Degrees in Folklore and Mythology required. Normally taken in the second term of the junior year.

***Folklore and Mythology 99. Tutorial — Senior Year**

Catalog Number: 3886

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Required of all concentrators. The signature of the Head Tutor or Chairman of the Committee on Degrees in Folklore and Mythology required. Graded Sat/Unsat.

Folklore and Mythology Courses

For Undergraduates and Graduates

[Folklore and Mythology 106. Witchcraft and Charm Magic]

Catalog Number: 8749

Stephen A. Mitchell

Half course (spring term). Hours to be arranged.

Reviews witchcraft and magic in medieval and early modern Europe (ca. 400–1700), focusing on such topics as pagan survivals in post-Conversion Europe; the construction of witchcraft in Church doctrine; charm magic and its performance in folk tradition; the witch-hunts of the 16th and 17th centuries; folk beliefs; the portrayal of witchcraft in film, fiction and folklore; and the historical roots of neo-paganism.

Note: Expected to be given in 2009–10.

Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context

Catalog Number: 7982 Enrollment: Limited to 16.

Deborah D. Foster

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

An examination of the ways in which the dancing body internalizes and communicates cultural knowledge to both dancer and observer. By participating in dance workshops, watching dance performances (live and on film), and reading ethnographic and theoretical texts, we attempt to understand the emergent meaning of dance performances from multiple perspectives.

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief and the Core area requirement for Literature and Arts B.

Folklore and Mythology 126. Continuing Oral Tradition in Native American Literature

Catalog Number: 9787

Lisa T. Brooks

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Rather than textual artifacts of a cultural past, Native American oral literatures are living traditions in particular landscapes, activities in which communities are engaged. Features trips to local Native places and close readings of recorded communal tellings and literary texts. Explores the role of oral traditions in Native American literature, emphasizing the intertextual and interdependent relationship between the oral and the written.



Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief and the Core area requirement for Literature and Arts C or Foreign Cultures, but not both.

[Folklore and Mythology 127. Motherland: Gender, Indigeneity, and the American Environment]

Catalog Number: 4794

Lisa T. Brooks

Half course (spring term). Hours to be arranged.

Seminar focused on contemporary Native American literature that explores the representation and conceptualization of a feminine, and ecologically potent, American land. Readings may include Cheryl Savageau's *Mother/land* (poetry), Leslie Marmon Silko's *Gardens in the Dunes*, Marilou Awiakta's *Selu*, Linda Hogan's *Power*, Deborah Miranda's *Indian Cartography* (poetry), as well as parallel comparative texts such as Susan Orleans' *The Orchid Thief*, Alice Walker's *"In Search of Our Mother's Gardens,"* and Rachel Carson's *Silent Spring*.

Note: Expected to be given in 2009–10.

Folklore and Mythology 163. Modern Scandinavian Folklore - (New Course)

Catalog Number: 5233

Lena Elisabeth Norrman (University of Minnesota)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

The course examines Nordic expressive culture in its narrative (e.g. ballads, folktales, legends) and non-narrative (e.g. superstitions, folk beliefs, folk art) forms since the 19th century; in addition, we will consider the study of 'folk-liv' and ethnology in Scandinavia and its important contribution to international folkloristics.

Folklore and Mythology 170. Folk Art in the Modern World - (New Course)

Catalog Number: 1278

Felicity A. Lufkin

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Folk art is a world-wide phenomenon, with a lasting importance to modern culture and to national identities. But what are the commonalities and variations in how folk art is defined, what types are prized, and how is it studied, perpetuated, and preserved?

Folklore and Mythology 171. Chinese New Year Pictures: Folk Art and Visual Culture - (New Course)

Catalog Number: 0485

Felicity A. Lufkin

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

The colorful woodcut prints now commonly known as New Year pictures or *nianhua* are one of China's best known folk arts, thriving into the 20th c. We will look at how these prints were made and distributed, the roles they played in everyday life, and what they can tell us about the interactions of high and low, rural and urban, and tradition and modernity within Chinese culture and art.



***Folklore and Mythology 191r. Supervised Reading and Research**

Catalog Number: 3255

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Cross-listed Courses

African and African American Studies 187. African Religions

Ancient Near East 110. Imag(in)ing Ancient Egypt in the Past, Present, and Future:

Ancient Egypt in the Popular Literary, Cinematic, and Theatrical Imagination: Seminar - (New Course)

Anthropology 1630. Other People's Beliefs: The Anthropology of Religion

Anthropology 1640. Language and Culture

[Anthropology 1870. Island Southeast Asia: Circulating Cultures]

[Armenian 120. Armenian Magical Texts]

[Armenian Studies 100. Armenian Epic]

Celtic 137. Celtic Mythology

[Celtic 138. Narrative Traditions of Medieval Wales]

[Celtic 151. The Literature of Medieval Celtic Christianity]

Celtic 166. The Folklore of Women

Celtic 184. The *Táin*

Chinese Literature 132. Chinatowns

Chinese Literature 150. China's Greatest Folktales: Old Tales in New Media - (New Course)

Classical Philology 243. The *Odyssey* in the *Iliad* - (New Course)

Classical Studies 154. The Ancient Novel - (New Course)

Culture and Belief 15. The Presence of the Past - (New Course)

Culture and Belief 16 (formerly Folklore and Mythology 100). Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology - (New Course)

Dramatic Arts 127. Rite of Spring at the Nexus of Art and Ritual - (New Course)

[East Asian Studies 180. Korea Wave]

English 102d. Anglo-Saxon Language and Culture: Poetry and Belief - (New Course)

[English 187. Native American Literary Traditions]

Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations

Foreign Cultures 74. Cultures of Southern Europe

***Freshman Seminar 32v. The Art of the Storytelling**

[Indian Studies 207a. Understanding Indian Ritual]

[Indian Studies 207b. Understanding Indian Ritual]

[Italian 141. Renaissance Epic]

[Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture]

Japanese History 126. Shinto: Conference Course

Jewish Studies 104. Introduction to Yiddish Culture

Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar



[Literature and Arts A-11. Arthurian Literature: Epic versus Romance](#)

[Literature and Arts A-17. Childhood: Its History, Philosophy, and Literature](#)

[Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France](#)

[Literature and Arts A-53. “Athens and Jerusalem”: Self and Other in Classical Greek and Hebrew Literature]

[Literature and Arts A-67. Poetry and Power: The Celtic Bard](#)

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World](#)

[Literature and Arts C-14. Concepts of the Hero in Greek Civilization](#)

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

[Literature and Arts C-20. The Hero of Irish Myth and Saga]

[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus’]

[Medieval Latin 120. Wisdom and Learning](#)

[Modern Greek 145 (formerly Comparative Literature 145). Dreams and Literature]

[Music 208r. Ethnomusicology: Seminar]

[Music 209r. Ethnomusicology: Seminar](#)

[Religion 17. Myth in History: An Introduction to Religion and to the Study of Religion - \(New Course\)](#)

[Religion 1001. Religion and Ethnography]

[Religion 1011. The Tree at the Center of the World](#)

[Scandinavian 150 \(formerly Scandinavian 80\). The Vikings and the Nordic Heroic Tradition](#)

[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy]

[Scandinavian 160br (formerly Scandinavian 160b). Old Norse Language, Literature, and Culture: Mythology]

[*Visual and Environmental Studies 153ar. Intermediate Animation--Making an Animated Film: Studio Course](#)

Germanic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Germanic Languages and Literatures

Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures
(Chair)

Peter J. Burgard, Professor of German (Director of Graduate Studies)

Katja Garloff, Visiting Associate Professor of Germanic Languages and Literatures (Reed College)

Annette Johansson-Los, Preceptor in Germanic Languages and Literatures

Charles P. Lutcavage, Senior Preceptor in German



Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Director of Undergraduate Studies, Scandinavian*) (*on leave spring term*)

Lena Elisabeth Norrman, Visiting Lecturer on Germanic Languages and Literatures (*University of Minnesota*)

Diana K. Reese, Visiting Assistant Professor of Germanic Languages and Literatures (*Cornell University*)

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature (*Director of Undergraduate Studies, German, fall term*) (*on leave spring term*)

Oliver Simons, Assistant Professor of Germanic Languages and Literatures (*on leave spring term*)

Markus Stock, Visiting Assistant Professor of Germanic Languages and Literatures (*University of Toronto*)

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology

Markus Wilczek, Assistant Professor of Germanic Languages and Literatures, Contin Ed/Spec Prog Instructor (*Director of Undergraduate Studies, German, spring term*)

Other Faculty Offering Instruction in the Department of Germanic Languages and Literatures

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore (*on leave spring term*)

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology

Peter Nisbet, Senior Lecturer on History of Art and Architecture

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

For more information on the Department, please visit www.fas.harvard.edu/~german.

German

Primarily for Undergraduates

The placement test in German is offered during Freshman Week and during Intersession.

German A. Beginning German

Catalog Number: 4294

Members of the Department

Full course (indivisible). M. through Th., sections at 9, 10, 11, or 12. EXAM GROUP: 2, 11

An introduction to German language and culture designed for students with little or no knowledge of the language. Encompasses all four skills: speaking, listening, reading, and writing. Class sessions emphasize the development of oral proficiency. Instruction is supplemented by literary and non-literary texts, videos, and Internet activities.



Note: The first half of this course may not be taken as a half course for credit toward the AB degree; there are no exceptions to this rule. May not be taken Pass/Fail. Not open to auditors.

German Ax (formerly German S). German for Reading Knowledge

Catalog Number: 7177

Charles P. Lutcavage

Half course (fall term; repeated spring term). M., W., 4–5:30. EXAM GROUP: 9

Development of reading proficiency for students with little or no knowledge of German.

Emphasizes translation of academic German prose into English.

Note: Not open to auditors.

German Bab. Beginning German (Intensive)

Catalog Number: 8629

Members of the Department

Full course (fall term; repeated spring term). Fall: M. through F., sections at 9 or 12, and an additional hour to be arranged. Spring: M. through F., sections at 9, 10, or 12, and an additional hour to be arranged. EXAM GROUP: 2, 11

A complete first-year course in one term for students with no knowledge of German. Provides an introduction to German language and culture encompassing all four skills: speaking, listening, reading, and writing. Class sessions emphasize the development of oral proficiency. Instruction is supplemented by literary and non-literary texts, videos, and Internet activities.

Note: May not be taken Pass/Fail. Not open to auditors.

German Ca (formerly German Da). Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 5779

Members of the Department

Half course (fall term; repeated spring term). Fall term: M., W., F., sections at 9, 11, or 12, and an additional hour to be arranged. Spring term: M., W., F., at 9, and an additional hour to be arranged. EXAM GROUP: 2

Aims at enhancing students' proficiency in all four skills, with special emphasis on speaking/discussion. The course also offers a thorough grammar review. Course materials consist of literary and non-literary texts and films that address a broad range of cultural topics.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

German Cb (formerly German Db). Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 2608

Members of the Department

Half course (fall term; repeated spring term). Fall term: M., W., F., at 9, and an additional hour to be arranged. Spring term: M., W., F., sections at 9, 11, or 12, and an additional hour to be arranged. EXAM GROUP: Fall: 2; Spring: 2, 4

Continuation of German Ca. Discussion materials include literary and non-literary texts and film. Emphasis on speaking proficiency and on strengthening writing skills. Course includes a review of selected grammatical structures and exercises in vocabulary building.



Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German Ca or permission of the instructor.

German Dab. Intermediate German (Intensive): Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 1351

Members of the Department

Full course (fall term; repeated spring term). Fall: M., W., F., at 12, Tu., Th., 1–3; Spring: M., W., F., at 12, Tu., Th., 2–4. EXAM GROUP: 5

A complete second-year course in one term for students with a basic knowledge of German. Focuses on enhancing students' proficiency in all four skill areas with special emphasis on speaking/discussion. Extensive vocabulary-building exercises, a thorough grammar review, and an introduction to various cultural topics of the German-speaking countries through the use of literary and non-literary texts, Internet, multimedia resources, and film.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German A, German Bab, a score of 450 or above on the Harvard placement test, or permission of the instructor.

German 61. Advanced Grammar and Reading

Catalog Number: 5179

Peter J. Burgard and Staff

Half course (fall term). Tu., Th., 8:30–10:00 or 10–11:30, and an additional hour to be arranged. EXAM GROUP: 10, 11

Advanced instruction in German through systematic study of the rules of grammar, their nuances, and their exceptions. Application of this knowledge through readings of short selections of sophisticated texts (e.g., Goethe, Kant, Marx, Nietzsche, Freud, Rilke, Kafka, Mann) prepares students for courses and academic work requiring advanced German reading comprehension.

Further application through writing exercises.

Note: Conducted in German. Not open to auditors.

Prerequisite: German C, equivalent preparation, or permission of the instructor.

German 62. Advanced Conversation and Composition: Contemporary Pop Literature

Catalog Number: 2201

Markus Wilczek

Half course (spring term). T., Th., 10–11:30. Film screenings: W., 6–8 pm. EXAM GROUP: 12, 13

This course explores the potential of "pop" to move beyond apolitical consumerism and to engage critically with issues such as gender relations, cyber-reality, terrorism, xenophobia, and, last not least, the apocalypse. Readings and screenings include works by Rainald Goetz, Christian Kracht, Benjamin von Stuckrad-Barre, Sibylle Berg, Thomas Meinecke, Maxim Biller, Florian Illies, Imran Ayata, René Pollesch, Christoph Schlingensief, and Svenja Leiber. Through composition and conversation workshops, the course advances the reading, writing, speaking, and listening skills of students.

Note: Readings and discussions in German.

Prerequisite: German 61, equivalent preparation, or permission of the instructor.



German 65. Wirtschaftsdeutsch

Catalog Number: 2678

Charles P. Lutcavage

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Communication, reading, and writing skills for a business environment. Attention to grammar and specialized vocabulary, as well as cultural and political issues relevant to conducting business in German-speaking countries. Writing practice includes business correspondence and job applications. Supplemented by articles from the German-language press, the Internet, and videos.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German C, equivalent preparation, or permission of the instructor.

German 66 (formerly German 68). Deutschland und Europa

Catalog Number: 6537

Charles P. Lutcavage

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An advanced language course focusing on current events in Germany and the European Union. Readings, discussions, and projects based on a variety of contemporary political, social, economic, and cultural topics. Materials from various sources, including the German-language press, the Internet, videos, and television news.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German 61, German 62, German 65, or permission of the instructor.

German 71 (formerly German 50a). German Literature from Goethe to Nietzsche

Catalog Number: 3213

Markus Wilczek

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Through close readings of central texts from the Age of Goethe to the late 19th century, this course introduces students to key concepts of literary analysis. Readings include Goethe, Schiller, Kleist, Hoffmann, Büchner, Bettina von Arnim, Heine, Droste-Hülshoff, Keller, Stifter, Mörike, and Nietzsche.

Note: Readings and discussions in German. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Prerequisite: Equivalent preparation or permission of the instructor.

German 72 (formerly German 50b). German Literature from Kafka to Jelinek

Catalog Number: 5412

Katja Garloff (Reed College)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The course focuses on central texts in 20th-century German literature. Key authors are read in pairs: for example, Arthur Schnitzler and Hugo von Hofmannsthal, Alfred Döblin and Franz Kafka, Paul Celan and Ingeborg Bachmann. The course provides an historical overview, sharpens German reading skills, and introduces basic concepts in literary analysis.

Note: Readings and discussions in German. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.



Prerequisite: Equivalent preparation or permission of the instructor. German 71 is not a prerequisite for 72.

***German 91r. Supervised Reading and Research**

Catalog Number: 1059

Judith Ryan and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Director of Undergraduate Studies is required.

***German 99. Tutorial — Senior Year**

Catalog Number: 3286

Judith Ryan and members of the Department

Full course. Hours to be arranged.

Note: Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Director of Undergraduate Studies is required.

Cross-listed Courses

***History 82e (formerly *History 1490). Max Weber in His Time**

Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]

Yiddish A. Elementary Yiddish

For Undergraduates and Graduates

[German 118. Goethe's Narrative Works]

Catalog Number: 0611

Markus Wilczek

Half course (fall term). Hours to be arranged.

This course investigates Goethe's narrative works and serves as an introduction to narrative theory. In close readings of *Die Leiden des jungen Werther*, *Unterhaltungen deutscher Ausgewanderten*, and excerpts from the *Wilhelm Meister* novels as well as from the *Wahlverwandtschaften*, particular attention will be given to the importance of communication through conversation, the circulation of letters, and the exchange of goods.

Note: Expected to be given in 2009–10. Discussions and readings in German

German 120. Age of Goethe - (New Course)

Catalog Number: 3797

Peter J. Burgard

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Major movements in German literature and thought from the mid-18th to early 19th century: Enlightenment, Sentimentalism, Storm and Stress, Classicism, Romanticism. Readings include Mendelssohn, Kant, Klopstock, Lessing, Goethe, Lenz, Schiller, Hölderlin, Kleist, Schlegel,



Novalis.

Note: Expected to be omitted in 2009-10. Readings in German, discussions in English. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[German 123. Fear and Pity: German Tragedies from the 18th to the 20th Century]

Catalog Number: 4720

Oliver Simons

Half course (spring term). Hours to be arranged.

Tragedies aim to stimulate the spectator's passion and sympathy. How precisely do they achieve that goal? Through close readings, the course contextualizes the tragedies of such authors as Lessing, Goethe, Kleist, Büchner, Hebbel, Wedekind, and Hofmannsthal within major literary movements and the theoretical reflections of Nietzsche and Benjamin.

Note: Expected to be given in 2009–10. Readings and discussions in German.

[German 147. Nietzsche]

Catalog Number: 6994

Peter J. Burgard

Half course (spring term). Hours to be arranged.

Readings and discussions of Nietzsche's major works (in translation), including *The Birth of Tragedy*, *Untimely Meditations*, *Human, All Too Human*, *The Gay Science*, *Thus Spoke Zarathustra*, *Beyond Good and Evil*, *The Genealogy of Morals*, *Twilight of the Idols*, *The Antichrist*, and *Ecce Homo*.

Note: Expected to be given in 2010–11. No knowledge of German required. All readings and discussions in English.

[German 148. Freud]

Catalog Number: 5403

Peter J. Burgard

Half course (spring term). Hours to be arranged.

Readings and discussions of Freud's major works (in translation), including *The Interpretation of Dreams*, *The Psychopathology of Everyday Life*, *Jokes and Their Relation to the Unconscious*, *Three Essays on the Theory of Sexuality*, *Totem and Taboo*, *The "Wolf Man,"* *Beyond the Pleasure Principle*, *Group Psychology and the Analysis of the Ego*, *The Ego and the Id*, *Civilization and Its Discontents*, and *Moses and Monotheism*.

Note: Expected to be given in 2009–10. No knowledge of German required. All readings and discussions in English.

[German 151. Franz Kafka: Modernity and Its Discontents]

Catalog Number: 0169

Judith Ryan

Half course (fall term). Hours to be arranged.

Close readings of Kafka's novels and stories. Kafka's development of his characteristic narrative modes, the relation of his works to the cultural context in which they originated, the function of humor and parody in his works, and the challenges his texts pose for readers.

Note: Expected to be given in 2009–10. No knowledge of German required. Readings and



discussions in English; German concentrators read texts in the original language. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

German 155. Deviants and Outsiders - (New Course)

Catalog Number: 8385

Markus Stock (University of Toronto)

Half course (spring term). W., 4–6. EXAM GROUP: 9

A course on fools, lovers, madmen, saints, and other deviants in German literature. Throughout the history of German literature, authors have tested the limits of human experience by casting their protagonists into the depths of love, madness, and disease. We will follow them through their trials, their elation, their despair. Readings will include a variety of (epic, lyric, and dramatic) texts from the Middle Ages to the modern era.

Note: Readings and discussions in German.

[German 162. Gender Theory and Narrative Fiction]

Catalog Number: 4774

Oliver Simons

Half course (fall term). Hours to be arranged.

Focusing on such topics as the representation of femininity, the (im)possibility of feminine writing, and literature and the body, the course examines the gender theories of Irigaray, Cixous, Kristeva, Butler, Felman, and others and applies them to 18th- and 19th-century German writers, including Fontane, Musil, Bachmann, and Jelinek.

Note: Expected to be given in 2009–10. Readings and discussions in English; German concentrators read texts in the original language.

German 165. Literary and Visual Culture of Weimar Germany - (New Course)

Catalog Number: 1852

Maria Tatar

Half course (fall term). W., 4–6. EXAM GROUP: 9

Explores literary and artistic production in the years immediately preceding the Weimar Republic up to the Nazi era. Authors include Thomas Mann, Hesse, and Brecht. Films include *The Cabinet of Dr. Caligari*, *Metropolis*, and *M*. We will also focus on drawings and paintings by George Grosz, Otto Dix, and Max Beckmann, as well as on the Dada movement.

Note: Expected to be omitted in 2009-10. Course conducted in English. Students have the option of reading the literary texts in German or in English. Seminar with enrollment limited to 15. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

German 170. Before Modernity - (New Course)

Catalog Number: 3102

Markus Wilczek

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

While both Georg Büchner and Adalbert Stifter have been acknowledged as modernists avant la lettre, their work could hardly be more different. Through a comparison of Büchner's and Stifter's treatment of themes such as history, nature, violence, and the body as well as a comparison of their stylistic peculiarities (i.e., caesuras and repetition), this course examines two



seemingly irreconcilable traditions in the formulation of modernity.

Note: Readings and discussions in German.

German 174. The Drama of Enlightenment - (New Course)

Catalog Number: 3639

Diana K. Reese (Cornell University)

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

This course investigates 18th-century thought with special emphasis on discussions of the theater as well as attention to the role of the theatrical in philosophical argument. How do scenes of witnessing, questions of staging and modes of oratory inflect key texts of the Enlightenment? A corollary question: How does speculation on knowledge and the origins of language become fundamentally political? Readings from Burke, Diderot, Goethe, Herder, Hume, Kant, Kleist, Lessing, Moritz, Rousseau, Schiller, Voltaire, Wollstonecraft.

Note: Readings and discussions in English.

[German 183. Critical Theory Revisited]

Catalog Number: 9169

Oliver Simons

Half course (spring term). Hours to be arranged.

Introduction to one of the most influential theories of the 20th century. Special attention will be paid to the literary history that has anticipated some of its thoughts. Excerpts of Adorno's aesthetic theory and a selection of his essays will be contextualized with texts by Goethe, Eichendorff and others; Benjamin's writings will be discussed along with works by Brecht and Kafka.

Note: Expected to be given in 2009–10. Readings and discussions in German.

[German 186. German Poetry: Innovation and Experiment]

Catalog Number: 8548

Judith Ryan

Half course (spring term). Hours to be arranged.

Explores the interplay between innovation and tradition in German poetry from 1770 to the present. Topics treated include originality and authenticity, difficulty and hermeticism, and poetic responses to crisis. Authors include Goethe, Hölderlin, Heine, Mörike, Rilke, Trakl, Benn, Bobrowski, and Celan.

Note: Expected to be given in 2009–10. Readings in German, discussions in English.

German 187. The Sacred and the Secular in German Poetry - (New Course)

Catalog Number: 7262

Judith Ryan

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Reaching back to the psalmist David and the mythic figures of Apollo and Orpheus, German lyric poets have invoked the sacred, mourned its disappearance, and expressed skepticism about its relevance to the modern world. The course traces these themes in such poets as Luther, Gerhardt, Novalis, Hölderlin, Brentano, Rilke, Trakl, and Celan.

Note: Readings in German, discussions in English.



[German 190. Literature and Violence in the 20th Century]

Catalog Number: 7128

Oliver Simons

Half course (fall term). Hours to be arranged.

Examines how literature reflects violence, but also how violence stimulates new aesthetics throughout the 20th century. Authors include Jünger, Kafka, Müller, Artaud. Close readings of their texts will be accompanied by discussions of theoretical reflections on violence: Freud, Benjamin, Girard and others.

Note: Expected to be given in 2009–10. Most readings in German. Discussions in German.

Cross-listed Courses

[History 1322. Heidegger and Arendt - \(New Course\)](#)

[*History of Art and Architecture 149g. Casts, Construction and Commemoration: German Gothic in America and Abroad - \(New Course\)](#)

[History of Art and Architecture 175y. Visual Culture of Weimar Germany \(1919-1937\) - \(New Course\)](#)

[Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema](#)

Primarily for Graduates

[German 210 (formerly German 110). Baroque]

Catalog Number: 8078

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Examines the literature of the German Baroque and the art of the European Baroque. Focuses on questions of systems, identity, and excess in poetry, drama, narrative, architecture, painting, and sculpture.

Note: Expected to be given in 2009–10. Readings in German, discussions in English.

[German 226r. Theories of Literature: Proseminar](#)

Catalog Number: 1364

Markus Wilczek

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A survey of classical and current contributions to the theory of literature, this course examines the relationship between the practice of reading and the theory of literature, and literature's place within larger cultural systems.

Note: Readings in German and English, discussions in German.

[German 231. The Limits of Enlightened Discourse]

Catalog Number: 0943

Markus Wilczek

Half course (spring term). Hours to be arranged.

Although Enlightenment culture put great emphasis on the power of rational discourse, there is a surprising amount of instances in which logos collapses in silence or erupts into screams. This course examines the reasons for the 'failure' of logos, and its implications for the relationship



between language, affects, and society in the Enlightenment. Readings include Lessing, Knigge, Herder, Gerstenberg, Schiller, and Goethe.

Note: Expected to be given in 2009–10. Discussions and readings in German

German 240. Reading Minds and Modernism - (New Course)

Catalog Number: 9635

Maria Tatar

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

We will draw on fields ranging from narratology, theory of the mind, and history of the book to explore how minds are represented and how we read them in literary texts published in the years from 1890 to 1960. Authors include Schnitzler, Hofmannsthal, Mann, Döblin, Brecht, and Grass.

Note: Expected to be omitted in 2009-10. Course conducted in English. Readings in German.

German 243. Readings in Feminist Theory - (New Course)

Catalog Number: 4762

Diana K. Reese (Cornell University)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Sustained, close readings of recent feminist theory with particular focus on questions of style and intertext. Seminar discussion will also be informed by works of three 20th-century poets in German: Bachmann, Kaschnitz and Kirsch.

Note: Readings in German and English.

[German 244. Readings in German Film Theory]

Catalog Number: 6388

Eric Rentschler

Half course (spring term). Hours to be arranged.

Film theory, from the formalist perspectives of Arnheim and Eisenstein to critical assessments of cinema's potential by Balázs, Kracauer, Benjamin, and Adorno. We consider the impact of this classical legacy on recent film and media studies.

Note: Expected to be given in 2009–10. Conducted in English. Readings in English; students with German-language proficiency read texts in the original.

German 255. Middle High German - (New Course)

Catalog Number: 9508

Markus Stock (University of Toronto)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to the German language and literature of the Middle Ages. The reading and translation of exemplary Middle High German texts will provide an insight into epochal cultural concepts like courtly love and chivalry.

Note: Readings and discussions in German.

German 269. Introduction to Film Analysis

Catalog Number: 1886

Eric Rentschler

Half course (spring term). W., 2–4 with an additional weekly screening. EXAM GROUP: 7, 8

Analytic approaches to the close study of feature films, concentrating on exemplary German



productions from 1920 to 1945.

Note: Conducted in English. Some readings in German.

German 275. German-Jewish Love Stories - (New Course)

Catalog Number: 8717

Katja Garloff (Reed College)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines how literary writers have used stories of love - usually of unfulfilled or impossible love - to comment on the historical process of Jewish emancipation and acculturation. Authors include Lessing, Schlegel, Heine, Schnitzler, Lasker-Schüler, Kafka, Sebald, and others.

Note: Readings in German, discussions in English

[German 288. German Novels Since Reunification: Seminar]

Catalog Number: 8467

Judith Ryan

Half course (fall term). Hours to be arranged.

A study of German novels since 1990, viewed within their social and cultural context and against the backdrop of contemporary literary theory. Authors include Beyer, Brussig, Drawert, Hein, Hilbig, Maron, Timm, and Wolf.

Note: Expected to be given in 2009–10. Readings in German, discussions in English.

[German 292 (formerly German 188). Poetry After Auschwitz]

Catalog Number: 0379

Judith Ryan

Half course (spring term). Hours to be arranged.

Engaging with Adorno's dictum about "poetry after Auschwitz" and related theoretical readings, the course focuses on lyric poetry from 1945 to the present. Special attention to Paul Celan.

Note: Expected to be given in 2009–10. Readings in German, discussions in English.

Prerequisite: Good knowledge of German essential.

Cross-listed Courses

History 2265 (formerly History 2475). Problems and Sources in Modern German History: 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, Peter Nisbet 1738, Eric Rentschler 2325, Judith Ryan 1135 (on leave spring term), Oliver Simons 5274 (on leave fall and spring term), and Maria Tatar 3645

***German 301. Foreign Language Teaching Workshop - (New Course)**

Catalog Number: 6129

Members of the Department

Half course (spring term). Hours to be arranged, two hours weekly.



An introduction to the teaching of German. Examines the history of German pedagogy, current methodological trends, research, textbooks, and technology. Emphasis on the practical aspects of teaching German from beginning to advanced levels.

***German 302. Introduction to Methods of Teaching Courses on Literature and Culture - (New Course)**

Catalog Number: 4557

Maria Tatar 3645

Half course (spring term). Hours to be arranged.

An introduction to teaching courses with an interdisciplinary approach to the subject matter.

Note: By permission of the instructor.

Germanic Philology

Primarily for Graduates

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 Jasanoff 1661, and Stephen A. Mitchell 7056 (on leave spring term)

Cross-listed Courses

[Linguistics 247. Topics in Germanic Linguistics](#)

Scandinavian Languages

Primarily for Undergraduates

[Norwegian A. Beginning Norwegian Language - \(New Course\)](#)

Catalog Number: 1988

Stephen A. Mitchell and members of the Department

Full course (indivisible). M., through Th., at 10. EXAM GROUP: 3, 12

Focuses on listening, speaking, reading, and writing skills in Norwegian (*bokmål*). In spring term, more advanced conversation skills and an introduction to Norway's culture are emphasized. Upon completion, students will be able to carry on conversations in everyday Norwegian.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree. Not open to auditors.

[Swedish A. Beginning Swedish Language and Literature](#)

Catalog Number: 7438

Annette Johansson-Los



Full course (indivisible). M., through Th., at 12. EXAM GROUP: 5, 14

A basic course focusing on listening, speaking, reading, and writing skills. During spring term, the emphasis is on more advanced conversation and an introduction to Sweden's culture and civilization through selected texts and videos. By year's end, students will be able to carry on conversations in everyday Swedish.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree. Not open to auditors.

Swedish Ba. Intermediate Swedish

Catalog Number: 3104

Annette Johansson-Los

Half course (fall term). M., W., at 11, and an additional hour to be arranged. EXAM GROUP: 4

Review of the essentials of Swedish grammar and development of vocabulary. Readings in modern Swedish literature are selected to encourage class discussion and to improve the student's speaking and writing skills. Authors include Hjalmar Söderberg, Selma Lagerlöf, and Ingmar Bergman.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish A or equivalent.

Swedish Bb. Intermediate Swedish

Catalog Number: 3405

Annette Johansson-Los

Half course (spring term). M., W., at 1, and an additional hour to be arranged. EXAM GROUP: 6

Continuation of Swedish Ba. Readings from works in classical and modern Swedish literature and other texts of cultural and social interest. Authors include August Strindberg, Pär Lagerkvist, Carl Michael Bellman, Tomas Tranströmer, and Vilhelm Moberg.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish Ba or equivalent.

For Undergraduates and Graduates

Cross-listed Courses

Graduate Courses of Reading and Research

Scandinavian Literature and Culture

Primarily for Undergraduates

Scandinavian 65. Survey of Modern Scandinavian Literature

Catalog Number: 7158

Lena Elisabeth Norrman (University of Minnesota)

Half course (spring term). M., W., 2–3:30, and a weekly film screening. EXAM GROUP: 7, 8

An introduction to 19th- and 20th-century Scandinavian literature and film. We will analyze novels by Kierkegaard, Strindberg, Ibsen, Hamsun, Blixen, Lagerkvist, Myrdal, and Nemi as



well as films by Carlsen, Sjöberg, Bergman, Fridriksson, Wallentin, and Vinterberg, within the content of seminal cultural movements and historical events. Special attention will be paid to Nordic identity and society beyond the customary stereotypes, including the impact of immigration and multiculturalism. Additional pertinent theoretical and historical readings.
Note: Readings and discussion in English. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

***Scandinavian 91r. Supervised Reading and Research**

Catalog Number: 7308

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Director of Undergraduate Studies required.

***Scandinavian 97. Tutorial — Sophomore Year**

Catalog Number: 1592

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and acquaint students with appropriate analytical methods.

Note: Open to concentrators in the Scandinavian option. Permission of the Director of Undergraduate Studies required.

***Scandinavian 98. Tutorial — Junior Year**

Catalog Number: 4255

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and to develop analytical techniques.

Note: Permission of the Director of Undergraduate Studies required.

***Scandinavian 99. Tutorial — Senior Year**

Catalog Number: 5542

Stephen A. Mitchell and members of the Department

Full course. Hours to be arranged.

Note: Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Director of Undergraduate Studies required.

For Undergraduates and Graduates

[Scandinavian 115. Scandinavian Theater and Film] - (New Course)

Catalog Number: 9052

Stephen A. Mitchell

Half course (spring term). Hours to be arranged.

Surveys Nordic contributions to world drama and cinema, emphasizing the works of Henrik



Ibsen, the founder of modern European drama; August Strindberg, the master of the Naturalistic theater; Carl Theodore Dreyer, the great Danish *auteur*; Ingmar Bergman, one of "the poets of the cinema"; and the Dogma 95 directors and their "Vow of Chastity." In addition to close readings of individual cultural monuments, the course places these works into their broader literary and social contexts.

Note: Expected to be given in 2010–11. Expected to be given in 2010-11. All readings in English; students with a knowledge of a Nordic language read texts in the original.

Scandinavian 150 (formerly Scandinavian 80). The Vikings and the Nordic Heroic Tradition

Catalog Number: 3974

Stephen A. Mitchell

Half course (fall term). Tu., Th., at 1, and an additional hour to be arranged. EXAM GROUP: 15

Examines the heroic legacy resulting from the historical events in northern Europe A.D. 800 to A.D. 1100, concentrating on medieval Icelandic poetry and sagas. The course focuses on how these texts present their heroes as warriors, kings, poets, outlaws and adventurers, and reviews how the viking image is received and shaped in later periods. Pre-Christian mythology, the viking raids and the Norse experience in "Vinland" carefully considered.

Note: All readings and discussions in English. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy]

Catalog Number: 1139 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (fall term). Hours to be arranged.

Introduction to the language and literary culture of medieval Scandinavia, emphasizing works treating the Viking Age and their valorization of an heroic ideal. In addition to basic language skills, students acquire familiarity with key critical tools of the field. Readings include scaldic poetry, selections from *Egils saga* and the Vinland sagas, and various runic monuments.

Note: Expected to be given in 2009–10. May be counted toward the Folklore and Mythology 90 requirement.

[Scandinavian 160br (formerly Scandinavian 160b). Old Norse Language, Literature, and Culture: Mythology]

Catalog Number: 7588 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (spring term). Hours to be arranged.

Builds on Scandinavian 160a, continuing the language study and cultural survey of the first term, but now considers mythological texts relating to Viking religious life, mainly selections from the prose and poetic *Eddas*. Special attention is paid to scholarly tools and debates concerned with the interpretation of these cultural monuments.

Note: Expected to be given in 2009–10. May be counted toward the Folklore and Mythology 90 requirement.

Prerequisite: Scandinavian 160a or equivalent.



***Scandinavian 191r. Supervised Reading and Research**

Catalog Number: 6175

Stephen A. Mitchell

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced readings in topics not covered in regular courses.

Graduate Courses of Reading and Research

***Scandinavian 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 1708

Joseph C. Harris 1089 (on leave spring term) and Stephen A. Mitchell 7056 (on leave spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

Cross-listed Courses

Folklore and Mythology 163. Modern Scandinavian Folklore - (New Course)

Global Health

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Global Health

David M. Cutler, Otto Eckstein Professor of Applied Economics (*Co-Chair*)

Paul Farmer, The Maude and Lillian Presley Professor of Social Medicine (*Medical School*) (*Co-Chair*)

David Bloom, Clarence James Gamble Professor of Economics and Demography (*Public Health*)

Allan M. Brandt, Amalie Moses Kass Professor of the History of Medicine in the Faculty of Medicine, and Professor of the History of Science in the Faculty of Arts and Sciences, Dean of the Graduate School of Arts and Sciences

Dan W. Brock, Frances Glessner Lee Professor of Legal Medicine (*Medical School*)

Colleen M. Cavanaugh, Edward C. Jeffrey Professor of Biology

Nicholas A. Christakis, Professor of Sociology (*FAS*) and Professor of Medical Sociology (*Medical School*)

David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering

Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)

Susanne J. Goldie, Roger Irving Lee Professor of Public Health (*Public Health*)



Byron J. Good, Professor of Medical Anthropology in the Department of Social Medicine
(*Medical School*)

Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)

David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology

Daniel L. Hartl, Higgins Professor of Biology

Jim Yong Kim, Professor of Social Medicine and Professor of Medicine (*Medical School*)
(*Medical School*)

Gary King, David Florence Professor of Government

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*)

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies, Senior Adviser to the Dean on Faculty Development and Diversity

Jennifer Leaning, Professor of International Health (*Public Health*) and Associate Professor of Medicine (*Medical School*)

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental Science and Engineering

Amartya Sen, Lamont University Professor (*on leave spring term*)

Bruce Walker, Professor of Medicine (*Medical School*)

Lucie E. White, Louis A. Horvitz Professor of Law (*Law School*)

The Standing Committee on Global Health seeks to promote expanded and enhanced curricular, research, and advising opportunities to undergraduate and graduate students. This committee will coordinate existing course offerings related to global health, encourage the creation of new courses on global health topics as appropriate, and help to facilitate the creation of new research opportunities for undergraduates.

Global health presents a fundamentally interdisciplinary set of challenges. Harvard has a deep investment and scholarly capacity in many areas that provide critical insight to global health challenges. The scale and the complexity of these challenges extend beyond one discipline or methodology; the foundational works of the life sciences need to be bridged with a sophisticated understanding of the economic, political, social, and cultural factors that influence health outcomes. The Committee on Global Health with its diverse representation from across the Faculty of Arts and Sciences will provide a thoughtful and comprehensive program of study to Harvard undergraduates as they explore significant research topics in global health.

Government



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Government

Nancy Lipton Rosenblum, Senator Joseph S. Clark Professorship of Ethics in Politics and Government (*Chair*)
James E. Alt, Frank G. Thomson Professor of Government (*Director of Graduate Studies*) (*on leave 2008-09*)
Stephen Daniel Ansolabehere, Professor of Government (*on leave spring term*)
Ivan Michael Arreguin-Toft, Visiting Lecturer on Government
Muhammet Ali Bas, Assistant Professor of Government
Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies (*on leave 2008-09*)
Eric Beerbohm, Assistant Professor of Government and of Social Studies
Daniel P. Carpenter, Allie S. Freed Professor of Government
Jocelyne Cesari, Lecturer on Government (*Divinity School*)
Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies
Carlos E. Diaz Rosillo, Instructor in Government
Nara Dillon, Lecturer on Social Studies
Jorge I. Domínguez, Antonio Madero Professor of Latin American Politics and Economics
Grzegorz Ekiert, Professor of Government
Margarita Estevez-Abe, Paul Sack Associate Professor of Political Economy
Charles David Freilich, Nachshon Visiting Lecturer on Jewish Studies
Jeffrey Frieden, Stanfield Professor of International Peace
Claudine Gay, Professor of Government and of African and African American Studies (*on leave fall term*)
Adam Glynn, Assistant Professor of Government (*on leave spring term*)
Mark A. Graber, Visiting Professor of Government
Peter A. Hall, Krupp Foundation Professor of European Studies
Chase Henri Harrison, Preceptor in Government
Michael C. Herron, Visiting Associate Professor of Government
D. Sunshine Hillygus, Frederick S. Danziger Associate Professor of Government (*on leave spring term*)
Michael J. Hiscox, Clarence Dillon Professor of International Affairs
Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor (*on leave spring term*)
Stanley Hoffmann, Paul and Catherine Battenwieser University Professor (*on leave fall term*)
Nahomi Ichino, Assistant Professor of Government
Torben Iversen, Harold Hitchings Burbank Professor of Political Economy (*on leave 2008-09*)
Dominic Dunphy Pawle Johnson, Lecturer on Government
Alastair Iain Johnston, Governor James Albert Noe Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs
Robert A. Kagan, Visiting Professor of Government
David C. King, Lecturer in Government (*Kennedy School*)
Gary King, David Florence Professor of Government
Steven R. Levitsky, Professor of Government



Ofrit Liviatan, Lecturer on Government (*fall term only*)
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
 Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government (*on leave 2008-09*)
 Jens Meierhenrich, Assistant Professor of Government and of Social Studies
 Manjari Chatterjee Miller, Lecturer on Government
 Eric M. Nelson, Assistant Professor of Government (*on leave spring term*)
 Ryan James Owens, Assistant Professor of Government
 Robert L. Paarlberg, Visiting Professor of Government (*Wellesley College*) (*spring term only*)
 John W. Patty, Assistant Professor of Government, Contin Ed/Spec Prog Instructor (*on leave fall term*)
 Gregg Andrew Peeples, Lecturer on Government
 Elizabeth M. Penn, Assistant Professor of Government (*on leave spring term*)
 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
 Stacey Philbrick Yadav, Visiting Associate Professor of Government
 Matthew B. Platt, Assistant Professor of Government
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
 Kevin M. Quinn, Associate Professor of Government (*on leave spring term*)
 Thomas F. Remington, Visiting Professor of Government, Visiting Scholar in the Kathryn W. and Shelby Cullom Davis Center for Russian Studies (*Emory University*)
 Patrick T. Riley, Lecturer on Government
 James Robinson, Professor of Government
 Michael E. Rosen, Professor of Government
 Stephen P. Rosen, Beton Michael Kaneb Professor of National Security and Military Affairs (*on leave 2008-09*)
 Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government
 Emad Shahin, Visiting Associate Professor of Government (*The American University in Cairo*)
 Francis Xavier Shen, Lecturer on Government
 Kenneth A. Shepsle, George D. Markham Professor of Government
 Beth A. Simmons, Clarence Dillon Professor of International Affairs
 Thomas Simons, Lecturer on Government (*spring term only*)
 Theda Skocpol, Victor S. Thomas Professor of Government and Sociology (*on leave fall term*)
 Arthur P. Spirling, Assistant Professor of Government
 Carina Sprungk, Visiting Assistant Professor of Government
 Sumeeta Srinivasan, Preceptor in Government
 Charles Taylor, Visiting Professor of Government, Associate of the Department of Government
 Strom Thacker, Visiting Associate Professor of Government (*Boston University*) (*spring term only*)
 Dennis F. Thompson, Alfred North Whitehead Professor of Political Philosophy in the Faculty of Arts and Sciences and in the John F. Kennedy School of Government
 Richard Tuck, Frank G. Thomson Professor of Government
 Dana Richard Villa, Visiting Professor of Government (*University of California, Santa Barbara*) (*fall term only*)
 Cheryl Brown Welch, Visiting Professor of Government (*Director of Undergraduate Studies*)
 Daniel F. Ziblatt, Associate Professor of Government and of Social Studies



Other Faculty Offering Instruction in the Department of Government

Alberto Abadie, Professor of Public Policy (*Kennedy School*)
Graham T. Allison, Jr., Douglas Dillon Professor of Government (*Kennedy School*)
Richard H. Fallon, Ralph S. Tyler, Jr., Professor in Constitutional Law (*Harvard Law School*)
Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)
Lee Fleming, Associate Professor of Business Administration (*Business School*)
J. Bryan Hehir, Parker Montgomery Professor of the Practice of Religion and Public Life (*Kennedy School*)
Guido W. Imbens, Professor of Economics (*on leave spring term*)
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences, Harvard College Professor
Roger B. Porter, IBM Professor of Business and Government (*Kennedy School*)
James M. Robins, Professor of Epidemiology and Biostatistics (*Public Health*)
Donald B. Rubin, John L. Loeb Professor of Statistics
Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
Bruce Western, Professor of Sociology
William Julius Wilson, Lewis F. and Linda L. Geyser University Professor
Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)

A full list of courses that count toward undergraduate concentration is available in the Office of the Director of Undergraduate Studies.

Department of Government course listings are numerically ordered as follows:

10–50: Introductory and General Courses

90 (with one or more letter suffix): Junior Seminars

91–99: Supervised Reading and Research, and Tutorials

1000–1029 and 2000–2029: Political Methodology and Formal Theory

1030–1099 and 2030–2099: Political Thought and Its History

1100–1299 and 2100–2299: Comparative Government

1300–1599 and 2300–2599: American Government, Public Law, and Administration

1700–1999 and 2700–2999: International Relations

3000–3999: Graduate Courses of Reading and Research and Dissertation Workshops

Introductory and General Courses



Primarily for Undergraduates

Government 10. Introduction to Political Thought

Catalog Number: 8836

Eric Beerbohm

Half course (spring term). M., W., at 11. EXAM GROUP: 4

This course investigates the central problems of political theory that concern the justification of democracy. Is democratic rule the uniquely just form of collective decision-making? What political institutions best express the democratic values of equality, deliberation, and participation? What are the moral responsibilities of citizens - whose representatives exercise political power in their name? Is democracy a human right? Readings integrate contemporary work in political philosophy with canonical thinkers, including Plato, Aristotle, Rousseau, and J.S. Mill.

Government 20. Introduction to Comparative Politics

Catalog Number: 6166

Steven R. Levitsky

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Provides an introduction to key concepts and theoretical approaches in comparative politics. Major themes include the causes of democratization, economic development, ethnic conflict, and social revolutions; as well as the role of the state, political institutions, and civil society. Examines and critically evaluates different theoretical approaches to politics including modernization, Marxist, cultural, institutionalist, and leadership-centered approaches. Compares cases from Africa, Asia, Europe, Middle East and Latin America to provide students with grounding in the basic tools of comparative analysis.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Government 30. American Government: A New Perspective

Catalog Number: 0263

Paul E. Peterson

Half course (fall term). M., W., (F)., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Provides an overview of contemporary American politics, showing how recent changes in elections and media coverage have helped shape key aspects of American government. From the courts, Congress, and the Presidency, to the workings of interest groups and political parties, and, also to the making of public policy, the pressure on political leaders to run permanent campaigns has altered governmental institutions and processes. The course explains how and why.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Government 50. Introduction to Political Science Research Methods

Catalog Number: 6500

Arthur P. Spirling and Muhammet Ali Bas

Half course (spring term). M., W., at 4. EXAM GROUP: 9



Can exit polls detect election fraud? What are the determinants of political corruption? Is Islam incompatible with open government? In what sense (if any) does democracy reduce the probability of war? This course introduces basic statistical techniques used in quantitative political methodology to give scientifically rigorous answers to these questions and many others. Topics covered include descriptive statistics, sampling, estimation, hypothesis tests, and applied linear and logistic regression.

Note: This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Cross-listed Courses

Historical Study A-12. International Conflict and Cooperation in the Modern World

Government 90: Undergraduate Departmental Seminars

Tutorials

***Government 91r. Supervised Reading and Research**

Catalog Number: 2444

Cheryl Brown Welch

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a term paper in a topic or topics not covered by regular courses of instruction.

Note: Limited to juniors and seniors. Does not count for concentration credit. Offered at the discretion of the individual instructors. Written proposal and signature of Director of Undergraduate Studies required.

***Government 97. Tutorial — Sophomore Year**

Catalog Number: 3023

Nancy Lipton Rosenblum and Timothy J. Colton

Half course (spring term). M., 2–3:30, and tutorial sections to be arranged. EXAM GROUP: 7, 8

This is a new one-semester course designed to provide all Government Department concentrators with a unified and challenging intellectual experience in the study of politics. The course covers a selection of topics on the theme of "Democracy" and draws on materials ranging from classics in political theory to cutting edge research in the discipline today.

***Government 99r. Tutorial — Senior Year**

Catalog Number: 3652

Cheryl Brown Welch 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.

Government 98. Junior Research Seminars



This seminar format is designed for junior concentrators who have elected the honors program. Honors candidates are required to take one research seminar. The seminars have two primary aims: 1) to allow students to explore in depth an important topic in political science, and 2) to prepare students to write a successful senior honors thesis. Each Junior Research Seminar will guide students through the process of research, beginning with topic selection and culminating in the submission of a substantial research project at the end of the term.

Enrollment is limited, and is determined by a lottery based on student preferences. The seminars are open to other Government concentrators and to nonconcentrators on a space available basis.

***Government 98ak (formerly *Government 90ak). Reason and Decision in 20th Century Political Thought - (New Course)**

Catalog Number: 4123 Enrollment: Limited to 16.

Dana Richard Villa (University of California, Santa Barbara)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Critics on the left and right issue dire warnings about the politics that results from denying reason's power to adjudicate between different values, ways of life, and forms of political regime. Such denials, they claim, invariably issue in an extremist politics of blind commitment. This course surveys a variety of thinkers to whom this charge seemingly applies, including Weber, Schmitt, Heidegger, Arendt, Berlin and Foucault.

***Government 98aq (formerly *Government 90aq). Democracy and Judicial Review - (New Course)**

Catalog Number: 7109 Enrollment: Limited to 16.

Mark A. Graber

Half course (fall term). M., 4–6. EXAM GROUP: 9

Democracy and Judicial Review explores three central constitutional questions. Why do elected officials in democracies throughout the world tolerate an institution that declares legislation unconstitutional? Do any democratic reasons exist for entrusting some policy making to officials who enjoy life tenure? What responsibilities do courts have for protecting such democratic practices as free speech? While the primary focus of the seminar will be on American materials, we will also look at comparative materials.

[*Government 98au (formerly *Government 90au). Political Economy]

Catalog Number: 8213 Enrollment: Limited to 16.

Torben Iversen

Half course (spring term). Hours to be arranged.

Examines modern theories of political economy and their applications to macro problems in advanced democracies. Why do some governments and countries generate better economic performance than others? Why are some economies more egalitarian than others? How do politicians manipulate the economy for partisan gain, and how are politicians constrained by institutions and the global economy? We seek to answer these questions using the most promising theories in political science and economics.

Note: Expected to be given in 2009–10.

***Government 98ax (formerly *Government 90ax). Crucial Events in Chinese Elite Politics**

Catalog Number: 7481 Enrollment: Limited to 16.



Roderick MacFarquhar

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A critical reexamination of major events in the politics of the People's Republic and of the hitherto accepted Western analyses of them, using the new data made available in the PRC in recent years. The objective is to outline new hypotheses where necessary and more importantly, to explore what need there might be for new ways of studying Chinese politics.

[*Government 98bc (formerly *Government 90bc). Courts and Social Change]

Catalog Number: 9386 Enrollment: Limited to 16.

Kevin M. Quinn

Half course (spring term). Hours to be arranged.

Many commentators argue that courts, particularly the Supreme Court, have brought about non-trivial social change. This course looks at the processes by which such changes might occur and examines the empirical support for claims of court-driven social change.

Note: Expected to be given in 2009–10.

[*Government 98bg (formerly *Government 90bg). Parties and Elections]

Catalog Number: 9098 Enrollment: Limited to 16.

Nahomi Ichino

Half course (fall term). Hours to be arranged.

Examines political parties and elections in new and established democracies in the developing world. Topics covered: societal cleavages and party systems, economic voting, ethnic voting, patronage and vote buying, electoral fraud and election governance, the effect of electoral rules and other institutions.

Note: Expected to be given in 2009–10.

[*Government 98cn (formerly *Government 90cn). Democracy and Authoritarianism in Africa] - (New Course)

Catalog Number: 1455 Enrollment: Limited to 16.

Nahomi Ichino

Half course (fall term). Hours to be arranged.

A study of how democratic and authoritarian regimes rule and stay in power in Africa, with a focus on transitions to democracy and the difficulties of sustaining electoral competition and building political institutions.

Note: Expected to be given in 2009–10.

***Government 98cq (formerly *Government 90cq). Europeanization and Domestic Change - (New Course)**

Catalog Number: 2209 Enrollment: Limited to 16.

Carina Sprungk

Half course (spring term). Th., 4–6. EXAM GROUP: 18

European Union (EU) Studies have focused for a long time on analyzing and explaining the process of European integration. However, scholars have recently started asking to which extent this process feeds back into EU member states and triggers domestic change. Several studies show that EU membership changes domestic institutions, policies and policy-making processes



in a sustainable way. In the framework of this course, we will analyze the level and scope of EU-induced domestic change and explain it by drawing on (neo-) institutionalist theories.

***Government 98df (formerly *Government 90df). Topics in Early-Modern Political Thought - (New Course)**

Catalog Number: 3049 Enrollment: Open to non-concentrators with permission of the instructor.
 Eric M. Nelson

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This research seminar is designed for Government concentrators who intend to write a senior honors thesis on some aspect of European political thought during the early-modern period (roughly from Machiavelli to Kant). Material covered in the course will reflect the particular interests of students who enroll. Topics might include rights, just war, property, the relationship between church and state, toleration, and the invention of political science. Students will be required to develop and complete a substantial research essay, and the course will emphasize the various stages of research design.

***Government 98dl. Analyzing Foreign Policy: Theory and Practice of International Relations - (New Course)**

Catalog Number: 0837 Enrollment: Limited to 16.

Manjari Chatterjee Miller

Half course (spring term). W., 1–3.

What accounts for state behavior? Are foreign policy decisions influenced by leaders' beliefs and domestic politics or an inevitable consequence of the structure of the international system? This junior seminar has two goals. First, you will learn to apply analytical tools from IR theory, including cultural/ideological explanations, domestic political theories and systemic/structural factors, to state behavior and foreign policy. The primary examples discussed in class will be drawn from the behavior of two rising powers today, India and China. Second, you will select a specific case study of foreign policy behavior for analysis using the tools you have learned.

Note: Open to qualified sophomores and seniors.

***Government 98dn (formerly Government 90dn). Mapping Social and Environmental Space**

Catalog Number: 2017 Enrollment: Limited to 16.

Sumeeta Srinivasan

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This seminar will use mapping as a methodological technique to examine social and environmental issues. Students will be expected to use mapping software to examine spatial data for a location and topic of their choice for their final paper. Weekly discussions will be conducted in class on various mapping related topics. References will range from books like "How to lie with Maps" to current journal articles examining the use of GIS in social science.

[*Government 98ec (formerly *Government 90ec). Hume, Smith, and Kant]

Catalog Number: 6195 Enrollment: Limited to 16.

Michael Frazer

Half course (spring term). Hours to be arranged.

A reading of the major moral, political and economic writings of David Hume, Adam Smith and



Immanuel Kant.

Note: Expected to be given in 2010–11.

[*Government 98ef (formerly *Government 90ef). Black Politics in the Post Civil Rights Era]

Catalog Number: 3345 Enrollment: Limited to 16.

Claudine Gay

Half course (spring term). Hours to be arranged.

Course examines shift among African Americans from protest to politics. Emphasis is on development and use of political resources as the means to achieve policy objectives in the post-Civil Rights Era. Beginning with 1965 Voting Rights Act, course will explore the issues, opportunities, and challenges that have defined African American political life in the last forty years, as well as the attitudes and debates that have shaped efforts to increase African American influence over the political process.

Note: Expected to be given in 2009–10.

***Government 98eo (formerly *Government 90eo). Globalization and American Foreign Economic Policy**

Catalog Number: 9955 Enrollment: Limited to 16.

Michael J. Hiscox

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines the foreign economic policies of the US in the context of increasing global economic integration. Topics include: globalization benefits and costs, winners and losers; lessons from history; trade policy; multinational corporations; debt crises; labor standards; and international environmental issues.

***Government 98fg. Presidents, Governors, and Mayors: Chief Executive Power in Comparative Perspective - (New Course)**

Catalog Number: 8598 Enrollment: Limited to 16.

Carlos E. Diaz Rosillo

Half course (spring term). W., 7–9 p.m. EXAM GROUP: 9

Analyzes the foundation, development, and exercise of chief executive power at the national, state, and local levels of government in the United States. Examines the applicability of different political science theories of presidential power to the broader exercise of chief executive power. Explores the sources and limits of executive authority, the roles and responsibilities of political chief executives at different levels of government, and the way in which institutions affect the exercise of chief executive power.

[*Government 98fj (formerly *Government 90fj). Political Persuasion]

Catalog Number: 5033 Enrollment: Limited to 16.

D. Sunshine Hillygus

Half course (fall term). Hours to be arranged.

Examines political persuasion and democratic decision-making, with particular attention paid to government persuasion campaigns such as presidential elections. What is the function of political persuasion in American democracy? What techniques do political elites use to attempt to influence mass opinions and behavior? Who is most likely to be influenced by such appeals?



What is the role of the mass media? Readings drawn from political communication, political psychology, and political behavior.

Note: Expected to be given in 2009–10.

***Government 98gc (formerly *Government 90gc). Gender, Politics, and Markets**

Catalog Number: 1496 Enrollment: Limited to 16.

Margarita Estevez-Abe

Half course (fall term). W., 4–6. EXAM GROUP: 9

Although improvements have been made during the past century, women are still treated differently within the family, workplace and in politics. Where does this difference originate? Is gender difference either necessary or desirable? Why does the status of women differ across countries?

[*Government 98gk (formerly *Government 90gk). New Democracies in Comparative Perspective] - (New Course)

Catalog Number: 6607 Enrollment: Limited to 16.

Grzegorz Ekiert

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Emerging democracies confront several social, economic and political challenges that make their survival and consolidation difficult and uncertain. This seminar will examine problems new democracies face using examples of recent democratic transitions from various parts of the world.

Note: Expected to be given in 2009–10.

***Government 98gl. Human Rights, Inhuman Wrongs - (New Course)**

Catalog Number: 5106 Enrollment: Limited to 16.

Cheryl Brown Welch

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course examines the notion of crimes against humanity: its roots in natural law and the transnational anti-slavery movement, its emergence in the twentieth century at the intersection of human rights and humanitarian law, and its place at the heart of the modern imagination of political evil. It introduces the normative commitments, politics, and institutions involved in defining and prosecuting contemporary crimes against humanity (genocide, deportation, torture, rape) and considers the major comparative cases.

***Government 98gs (formerly *Government 90gs). Civil Society in Asia**

Catalog Number: 7546 Enrollment: Limited to 16.

Susan J. Pharr

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This seminar explores the concept of civil society with a focus on Asia. It looks at the Western origins of the idea of civil society, public space, and social capital; debates over their applicability outside the West; the relation between civil society and democracy; the forms civil society takes under conditions of repression; and how civil societies arise in the first place. Special attention to China, Japan, Korea, Taiwan, and India.



***Government 98hl (formerly *Government 90hl). The Political Economy of China's Market Reforms - (New Course)**

Catalog Number: 8091 Enrollment: Limited to 16.

Nara Dillon

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

After an introduction to different theoretical approaches to the political economy of development, this course will examine China's post-Mao economic reforms in comparative perspective. Some of the topics covered include the one-child policy, foreign trade and investment, the role of labor, rural-urban migration, and the rise of inequality.

***Government 98ia (formerly *Government 90ia). Sino-US Relations in an Era of Rising Chinese Power**

Catalog Number: 9006 Enrollment: Limited to 16.

Alastair Iain Johnston

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Assesses theoretical arguments and empirical evidence concerning the implications of Chinese economic and military modernization for conflict and cooperation between China and the US. Some issues examined include global arms control, trade, the environment, and regional security.

***Government 98jm (formerly *Government 90jm). Comparative Constitutional Law and Religion**

Catalog Number: 5104 Enrollment: Limited to 16.

Ofrit Liviatan

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Introduction to key constitutional concepts using a cross-national comparative examination of religious freedom issues. Topics include: processes of constitution-making, implementing and enforcing constitutions, constitutional accommodation of diversity and the relationship between societies and their constitutions. Readings emphasize contemporary debates on religious affairs: the wearing of religious headscarves, public funding for religious institutions, same-sex marriage and more.

***Government 98jq. How to Win Elections: Political Science Perspectives - (New Course)**

Catalog Number: 3148 Enrollment: Limited to 12.

Francis Xavier Shen

Half course (fall term). W., 7–9 p.m. EXAM GROUP: 9

Want to run a campaign? Run for office yourself? If so, you'll need to make decisions: Do you go negative? How do you frame the issues? In this research seminar, you will learn how the tools of political science can help you answer questions like these. Your original research for this course can be the springboard for a thesis or a campaign job. Discover just how powerful political science can be.

***Government 98kd (formerly *Government 90kd). The Supreme Court and American Politics - (New Course)**

Catalog Number: 2859 Enrollment: Limited to 16.

Ryan James Owens

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16



The goal of this course is to provide students with a systematic understanding of the U.S. Supreme Court. After discussing the social scientific study of the Court, we will examine theoretical issues regarding judicial process and politics. We will examine how various participants in the judiciary attempt to achieve their goals within the constraints of the institution and its surrounding environment.

***Government 98nk (formerly *Government 90hf). Voters, Parties, and Elections in Comparative Perspective - (New Course)**

Catalog Number: 6598 Enrollment: Limited to 16.

Arthur P. Spirling

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Why do people vote the way they do? What role do parties play in democracies? Which electoral system is 'best'--- and why? This seminar seeks answers to these questions and is divided into three sections dealing with the fundamentals of modern democracy: voters, parties and elections. Readings will be both theoretical and empirical, and will cover voting behavior, party organization and strategy, electoral systems and electoral reform. Substantive focus will be on Western Europe.

***Government 98nl (formerly *Government 90nl). Election Polling and Public Opinion**

Catalog Number: 3531 Enrollment: Limited to 16.

Chase Henri Harrison

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Political polls and other survey methodologies are frequently used to understand and explain both voter intentions and public opinion. This course will examine the theoretical and practical issues involved in using polls and surveys. We will explore the normative assumptions involved in polling, study possible sources of error in survey measures, and discuss the prospective implications of polling for policy and governance.

***Government 98nm (formerly *Government 90nm). Race and Representation - (New Course)**

Catalog Number: 1424 Enrollment: Limited to 16.

Matthew B. Platt

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course explores the fundamental question of whether black members of Congress provide the highest potential quality of representation for their black constituents. Beginning with Reconstruction and continuing throughout the present Congress, we chart how the nature of black representation has changed in accordance with broader changes among black Americans themselves.

Government 98oa (formerly Government 90oa). Inequality and American Democracy

Catalog Number: 2053

Theda Skocpol

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The “rights revolutions” of the 1960s and 1970s removed barriers to full citizenship for African Americans, women, and other formerly marginalized groups. But inequalities of wealth and income have grown since the 1970s. How do changing social and economic inequalities



influence American democracy? This seminar explores empirical research and normative debates about political participation, about government responsiveness to citizen preferences, and about the impact of public policies on social opportunity and citizen participation.

[*Government 98pn (formerly *Government 90pn). The Chinese Revolution in Comparative Perspective]

Catalog Number: 8639 Enrollment: Limited to 16.

Elizabeth J. Perry

Half course (spring term). Hours to be arranged.

The course will cover general theories of revolutionary change as well as specific studies of revolutionary movements in China, from the 19th century Taiping rebels to the present. We will examine the causes and consequences of these movements for Chinese politics, and consider their similarities and differences to revolutionary uprisings elsewhere around the world.

Note: Expected to be given in 2010–11. Preference given to Government concentrators.

***Government 98qa (formerly *Government 90qa). Community in America**

Catalog Number: 4941 Enrollment: Limited to 16.

Robert D. Putnam

Half course (spring term). W., 1:30–3:30. EXAM GROUP: 6, 7, 8

Has the social fabric of America's communities and the civic engagement of its citizens changed over the last generation? Why? Does it matter? What lessons might we find in American history? These questions are at the focus of this seminar.

***Government 98qb. International Human Rights - (New Course)**

Catalog Number: 5882 Enrollment: Limited to 16.

Beth A. Simmons

Half course (fall term). Tu., 2–4.

This course explores the political conditions--international and domestic--that influence the creation, acceptance, operation and effectiveness of the international rules governing individual human rights. The course addresses international human rights law and practice in theoretical terms; considers social science methodologies for studying human rights law and practice; and examines in detail the international human rights regime itself. Four meetings are reserved to allow for individual and small group presentation of research projects and findings.

Note: Students who have completed Gov 1740 (International Law) have first priority.

[*Government 98qj (formerly *Government 90qj). Art, Truth, and Society]

Catalog Number: 5210 Enrollment: Limited to 16.

Michael E. Rosen

Half course (spring term). Hours to be arranged.

A look at two important and ambitious attempts to give an account of aesthetic value that connects art to its place in society: Hegel's Lectures on Aesthetics, and Adorno's Aesthetic Theory.

Note: Expected to be given in 2009–10.

***Government 98sg (formerly *Government 90sg). Global Justice - (New Course)**

Catalog Number: 9860 Enrollment: Limited to 16.



Eric Beerbohm

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course examines how principles of justice bear upon the practice of global politics. What do cosmopolitan values - the equal worth of all persons and the existence of moral obligations binding all - require of citizens and their political institutions? Topics include theories of cosmopolitanism, world poverty and global distributive justice, the justification and demandingness of human rights, and the ethics of humanitarian intervention.

[*Government 98sp (formerly *Government 90sp). Future of War]

Catalog Number: 6012 Enrollment: Limited to 16.

Stephen P. Rosen

Half course (spring term). Hours to be arranged.

Examines the character and implications of political and technological factors that could affect the future conduct of war.

Note: Expected to be given in 2009–10.

***Government 98tm (formerly *Government 90tm). Contemporary Arab Political and Social Thought**

Catalog Number: 5418 Enrollment: Limited to 16.

Emad Shahin (The American University in Cairo)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course focuses on the development of political and social thought in the Arab world since the end of the nineteenth century. It examines the various attempts at achieving reform or an "Arab awakening," and the social and political contexts that gave rise to several competing ideologies. Discussions will cover the Islamic ideology, early reform movements, intellectual encounters with the West, Islamic modernism, regional nationalism, Arab nationalism, radical ideologies, and Islamic revival.

***Government 98tp (formerly *Government 90tp). International Politics of the Middle East - (New Course)**

Catalog Number: 4671 Enrollment: Limited to 16.

Stacey Philbrick Yadav

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course examines international politics in the Middle East in the late colonial and post-colonial periods, focusing on the relationships between states, societies and markets. Placing particular emphasis on the many ways in which the "high politics" of states shape the lived experiences of different communities in the region, it works within existing theoretical frameworks in Comparative Politics and International Relations that envision politics as influenced by shifting constellations of interests, ideas, and institutions.

[*Government 98vc (formerly *Government 90vc). International Law: Theory and Research]

Catalog Number: 1382 Enrollment: Limited to 16.

Beth A. Simmons

Half course (fall term). Hours to be arranged.

Addresses advanced issues on the links between international law and international politics.



Focus is on theories of international law creation and diffusion, theories of commitment (international law's signaling role) and theories of compliance. Empirical literature includes case studies and quantitative studies in a range of issue areas. Research design and methods are stressed. Grades are based on participation and an individual research paper.

Note: Expected to be given in 2009–10.

Prerequisite: Government 1740.

***Government 98vg. Topics in Recent Political Theory - (New Course)**

Catalog Number: 0819 Enrollment: Limited to 16.

Michael E. Rosen

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The course is intended for (although not restricted to) students considering writing a thesis in political theory. We will start by reading some of the most important recent writings in English-language political theory before moving on to further topics selected to reflect the research interests of individual course participants.

***Government 98vj. Collective Action, Sustainability and Development in Latin America - (New Course)**

Catalog Number: 1595 Enrollment: Limited to 16.

Juan Camilo Cardenas

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

We combine theory and evidence from ethnographic studies and behavioral lab and field experiments in Latin America to explore the possibilities and limitations of collective action in rural and urban settings for enhancing environmental sustainability, the provision of adequate public goods and assuring greater economic security and equality of opportunity. Students participate in classroom experiments, and work on a new experimental or behavioral research project to address an interesting question about Latin America.

***Government 98wc (formerly *Government 90wc). Islam in Western Europe: Between Integration and Radicalization - (New Course)**

Catalog Number: 6835 Enrollment: Limited to 16.

Jocelyne Cesari (Divinity School)

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

From the Madrid and London bombings to the cartoons crisis, doubts have arisen regarding the ability of Muslims to integrate into European societies. This course will analyze the religious, cultural, and political situation of Muslims in Europe and discuss their accommodation to secular Western cultures and the different integration policies, primarily in France, Germany and the UK. It will also discuss the real risk and root causes of the radicalization of some of these European Muslims.

Political Methodology and Formal Theory

For Undergraduates and Graduates

Government 1000. Quantitative Methods for Political Science I

Catalog Number: 3990



Adam Glynn

Half course (fall term). M., 4–6. EXAM GROUP: 9

An introduction to statistical research in political science with a focus on applied multiple linear regression.

Note: Frequently taken by graduate students satisfying department requirements. Also open to qualified undergraduates. This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Prerequisite: Gov. 50, or equivalent, or permission of the instructor.

Government 1002. Advanced Quantitative Political Methodology

Catalog Number: 0181

Gary King

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Introduces theories of inference underlying most statistical methods and how new approaches are developed. Examples include discrete choice, event counts, durations, missing data, ecological inference, time-series cross sectional analysis, compositional data, causal inference, and others.

Prerequisite: Government 2000 or the equivalent.

[Government 1004. Introduction to Agent-Based Modeling]

Catalog Number: 7516

Elizabeth M. Penn

Half course (spring term). Hours to be arranged.

This course will provide a hands-on approach to modeling individual and group behavior using computer simulation techniques. An emphasis will be placed on in-class examples and student projects. No prior programming experience is necessary.

Note: Expected to be given in 2009–10.

[Government 1006. Mathematics of Elections]

Catalog Number: 9430

Elizabeth M. Penn

Half course (fall term). Hours to be arranged.

Voting procedures provide the commonest means of aggregating preferences of individuals into societal outcomes. This course will examine the effects that different voting procedures have on how groups make decisions. Topics will include Arrow's Theorem and other legislative paradoxes, and why the choice of electoral procedure is critical to our understanding of how "good" and "bad" decisions are made. We will also study electoral systems currently in use in over fifty of the world's democracies.

Note: Expected to be given in 2009–10.

Government 1008. Introduction to Geographical Information Systems

Catalog Number: 9732

Sumeeta Srinivasan

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course introduces Geographical Information Systems and their applications. GIS is a combination of software and hardware with capabilities for manipulating, analyzing and displaying spatially referenced information. The course will meet two times a week. Every week,



there will be a lecture and discussion as well as a laboratory exercise where students will work with GIS software on the computer. No Prerequisites.

[Government 1009. Advanced Geographical Information Systems Workshop]

Catalog Number: 8150

Sumeeta Srinivasan

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

This course is a workshop for students who have taken the introductory Geographical Information Systems course and want to explore detailed applications. The course will meet two times a week for a lecture and a laboratory exercise.

Note: Expected to be given in 2009–10.

Government 1010. Survey Methods and Design

Catalog Number: 8482

Chase Henri Harrison

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Surveys and polls are fundamental to the study of public opinion and behavior, and they play an increasingly prominent role in electoral politics. This course is designed to teach students the skills necessary to implement, use, and interpret opinion surveys. The course will focus on the concepts and principles necessary for designing a reliable and valid survey questionnaire, and will be structured as a reading course on survey methods and a practicum in survey design.

Government 1011. Practicum in Survey Research

Catalog Number: 7359

Chase Henri Harrison

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course will be designed to provide students the opportunity to put into practice the principles and concepts of survey research. Students will experience the survey process first hand by designing, implementing, and analyzing their own survey on any topic of their choosing or by working with a faculty member on an ongoing survey project. This broad, hands-on approach will provide a supervised environment in which students can gain practical experience in conducting surveys.

[Government 1015. Strategic Models of Political Economy]

Catalog Number: 5117

John W. Patty

Half course (fall term). Hours to be arranged.

A first course in formal methods in political economy. The course is meant to introduce students to modeling techniques as well as the practice of applying such techniques to the study of political science and economics. Though theoretically motivated, the course will also discuss the role of empirical evaluation in model building and testing.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Government 1016. Spatial Models for Social and Environmental Policy - (New Course)

Catalog Number: 0737



Sumeeta Srinivasan

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Introduces the fundamental statistical and mapping tools needed for analysis of environmental and social policy. Topics are linked by environmental and social themes and include spatial statistics; surface estimation; raster algebra; suitability modeling and remote sensing. Students acquire technical skills in both mapping and spatial models. Software packages used include STARS - Space-Time Analysis of Regional Systems, GeoVISTA, ArcGIS, Geoda and MULTISPEC.

Prerequisite: Some prior experience with GIS and knowledge of basic statistics.

***Government 1017. Theoretical Foundations of Democratic Politics: Seminar - (New Course)**

Catalog Number: 7259 Enrollment: Limited to 12.

Cheryl Brown Welch and members of Department

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

What explains voter turnout? What determines transitions from authoritarian to democratic regimes? How do legislative rules affect which legislation gets enacted? This course introduces students to the use of game theory and social choice theory in political science by focusing on these and other questions about democracy. The theories studied in the course have, however, a much wider application and will be useful to all students of politics, especially those planning on writing senior theses.

Government 1019 (formerly Government 1119). Basic Mathematics for Social Scientists - (New Course)

Catalog Number: 0989

Pedram Safari

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

The aim of this course is to provide the students of social sciences with a conceptual understanding of the basic notions of calculus and matrix algebra.

Government 1020. Intermediate Mathematics for Social Scientists - (New Course)

Catalog Number: 7487

Pedram Safari

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

This course is geared toward graduate students of social sciences (such as government, education, psychology, etc.). The focus is on a conceptual understanding of vector calculus and probability, as well as applications.

Cross-listed Courses

Social Analysis 46. Thinking about Politics: A Rational Choice Approach

Primarily for Graduates

Government 2000. Introduction to Quantitative Methods I

Catalog Number: 2281



Adam Glynn

Half course (fall term). M., 4–6. EXAM GROUP: 9

Graduate-level version of Gov. 1000. Meets with Gov. 1000, an introduction to statistical research in political science with a focus on applied linear regression. Will require extra homework and examination problems in addition to those for Gov. 1000.

Prerequisite: Permission of the instructor for anyone other than Government Department graduate students.

Government 2001. Advanced Quantitative Research Methodology

Catalog Number: 8941

Gary King

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Graduate-level version of Gov. 1002. Meets with Gov. 1002, introduces theories of inference underlying most statistical methods and how new approaches are developed. Examples include discrete choice, event counts, durations, missing data, ecological inference, time-series cross sectional analysis, compositional data, causal inference, and others. Will require extra homework and examination problems in addition to those for Gov. 1002.

Prerequisite: Government 2000 or the equivalent.

Government 2002. Topics in Quantitative Methods

Catalog Number: 8168

Michael C. Herron

Half course (fall term). W., 4–6. EXAM GROUP: 9

Introduction to two broad areas of modern statistics---graphical modeling and nonparametric inference. Illustrates how ideas and methods from each of these areas can be fruitfully applied to two different application areas-- statistical natural language processing and causal inference.

Prerequisite: Government 2000 and Government 2001, or equivalent, or permission of the instructor.

[*Government 2003. Hierarchical Bayesian Modeling]

Catalog Number: 3713

Kevin M. Quinn

Half course (spring term). Hours to be arranged.

Provides students a solid understanding of Bayesian inference and Markov chain Monte Carlo methods. Topics covered include: Bayesian treatment of the linear model, Markov chain Monte Carlo methods, assessing model adequacy, and hierarchical models.

Note: Expected to be given in 2009–10.

Prerequisite: Government 1000 and Government 2000, the equivalents, or permission of the instructor.

[Government 2005. Formal Political Theory I]

Catalog Number: 1719

John W. Patty

Half course (fall term). Hours to be arranged.

A graduate seminar on microeconomic modeling, covering price theory, decision theory, social



choice theory, and game theory.

Note: Expected to be given in 2009–10.

Government 2006. Formal Political Theory II

Catalog Number: 5487

James Robinson

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Continuation of Government 2005.

Government 2007. Political Economics

Catalog Number: 2094

James Robinson

Half course (spring term). Hours to be arranged.

This course covers the basic analytical approaches to political economy and their application.

***Government 2009. Methods of Political Analysis**

Catalog Number: 1080 Enrollment: Limited to 15.

Peter A. Hall

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Covers the issues and techniques central to designing and researching a good dissertation, whether quantitative or qualitative, including principles of research design, case selection, comparison, measurement, and causal relations, with many practical examples.

Note: Open to all doctoral students, regardless of year, and to advanced undergraduates.

Government 2010. Strategies of Political Inquiry

Catalog Number: 7421

Michael J. Hiscox and Nahomi Ichino

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Introduces how to do research—assessing scholarly literatures, identifying interesting questions, formulating research designs, learning methods, and writing up results. We discuss each for both quantitative and qualitative studies.

Note: Primarily for graduate students; also taken by undergraduates preparing for senior thesis research.

Political Thought and Its History

For Undergraduates and Graduates

***Government 1035. Democratic Theory and Electoral Law - (New Course)**

Catalog Number: 3584 Enrollment: Limited to 16.

Dennis F. Thompson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An exploration of the theoretical dimensions of contemporary controversies about the electoral process in the United States. Among the topics considered are concepts of representation in racial districting, the meaning of free choice in a two-party system, and the limits of majoritarianism in the governance of elections. Readings in political theory and election law.



***Government 1036. Athenian Democracy and its Critics: Seminar - (New Course)**

Catalog Number: 0784 Enrollment: Limited to 12.

Cheryl Welch and members of the Department

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course investigates the ancient Athenian experience of democracy through the writings of some of its staunchest supporters and fiercest critics. Topics covered include Athenian democratic ideals in theory and practice; the relationship between democracy and tyranny; Athenian democracy and imperialism; and the role of rhetoric in democracy. Readings include Athenian historians, philosophers, dramatists, and rhetoricians, as well as modern scholars.

***Government 1039. Democratic Theory**

Catalog Number: 5297 Enrollment: Limited to 15.

Jane Mansbridge (Kennedy School)

Half course (spring term). Hours to be arranged.

This course traces the evolution of western democratic theory from the ancient Greeks to the present, with particular emphasis on the institutions that influenced and were in turn influenced by these evolving theories. Readings from Aristotle and Hobbes through Habermas and Foucault, with one foray into Islamic thought. The course has two aims: to give an appreciation of the history behind the ideas that shaped today's democracies and to pose critical normative questions for today.

Note: Offered jointly with the Kennedy School as PAL 216.

***Government 1042. Theories of Peace and War in Western Political Thought: Seminar - (New Course)**

Catalog Number: 8881 Enrollment: Limited to 12.

Cheryl Brown Welch and members of the Department

Half course (fall term). W., 4–6. EXAM GROUP: 9

This course examines arguments for war and arguments for peace in western political thought. Related topics, such as just war theory, collective security, and religious pacifism, will be treated as well. Readings will include Augustine, Grotius, Kant, and Carl Schmitt.

Government 1052. History and Freedom in German Idealism

Catalog Number: 3628

Michael E. Rosen

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The high period of German Idealism (from 1781, the date of the publication of Kant's Critique of Pure Reason, to the death of Hegel in 1831) is one of the most revolutionary in the history of philosophy. We shall study the period using the central ideas of history and freedom as our guide and trace how modern ideas regarding freedom, the self, and the historical character of knowledge have their origins in the Idealists' thought.

***Government 1057. Global Distributive Justice and Political Borders: Seminar - (New Course)**

Catalog Number: 1889 Enrollment: Limited to 12.

Cheryl Brown Welch and members of the Department

Half course (spring term). Hours to be arranged.



This seminar examines the problem of global distributive justice in contemporary political theory. Should we conceive of justice in global (universal) terms? Do political borders have moral significance, should states (or other entities) have a right to control their borders? We discuss national self-determination, immigration, international institutions, the moral/legal status of non-state actors. Syllabus includes Rawls, O'Neill, Scheffler, Pogge, Nagel, Beitz, Blake, Risse, Singer, Wenar, Cohen and Carens.

Government 1060. Ancient and Medieval Political Philosophy

Catalog Number: 4978

Richard Tuck

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Classical and medieval political philosophy, from Plato to Thomas Aquinas.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Government 1061. The History of Modern Political Philosophy

Catalog Number: 5035

Nancy Lipton Rosenblum

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Political philosophy from Machiavelli to Nietzsche, with attention to the rise and complex history of the idea of modernity.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

[Government 1082. What is Property?]

Catalog Number: 2723

Eric M. Nelson

Half course (fall term). Hours to be arranged.

This course will investigate the major theories of property in the Western political tradition and address such key questions as: How do we come to own things? What claims do others have on the things we own? Is the community the ultimate owner of all goods? Do property rights really exist, and, if so, what is their source? Readings will include the Bible, Plato, Aristotle, Cicero, More, Harrington, Locke, Marx, and Nozick.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Government 1093. Ethics, Biotechnology, and the Future of Human Nature

Catalog Number: 4613

Michael J. Sandel and Douglas A. Melton

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Explores the moral, political, and scientific implications of new developments in biotechnology. Does science give us the power to alter human nature? If so, how should we exercise this power? The course examines the science and ethics of stem cell research, human cloning, sex selection, genetic engineering, eugenics, genetic discrimination, and human-animal hybrids.

Note: May not be taken concurrently with LS 60. May not be taken for credit if LS 60 has



already been taken. Moral Reasoning 22 (Justice) is recommended as background. Enrollment may be limited.

Cross-listed Courses

Note: These courses do *not* satisfy the political theory field requirement in Government except Moral Reasoning 17, Moral Reasoning 22, Moral Reasoning 58, and Moral Reasoning 68.

[**African and African American Studies 130. W. E. B. Du Bois: Social and Political Writings**](#)
[**Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory**](#)

[**Ethical Reasoning 11. Human Rights: A Philosophical Introduction - \(New Course\)**](#)
[Historical Study B-34. The World in 1776]

[*History 73a (formerly History 1474). Republics and Republicanism]

[**History 1322. Heidegger and Arendt - \(New Course\)**](#)

[Moral Reasoning 17. Democracy and Inequality]

[**Moral Reasoning 22. Justice**](#)

[Moral Reasoning 58. Slavery in Western Political Thought]

[Moral Reasoning 68. Legalism: Ruly and Unruly Thought and Practices]

[**Philosophy 171z. Global Justice - \(New Course\)**](#)

[**Social Studies 40. Philosophy and Methods of Social Science - \(New Course\)**](#)

Primarily for Graduates

[***Government 2030. Political Concepts: Field Seminar**](#)

Catalog Number: 0551 Enrollment: Limited to graduate students in Government

Dennis F. Thompson

Half course (fall term). W., 4–6. EXAM GROUP: 9

Reading and discussion of rival accounts of the basic concepts of political thinking.

[***Government 2034. Ethics Economics, and Law**](#)

Catalog Number: 4652

Michael J. Sandel

Half course (fall term). M., 5–7 p.m.

Explores controversies about the use of markets and market reasoning in areas such as organ sales, procreation, environmental regulation, immigration policy, military service, voting, health care, education, and criminal justice. The seminar will examine arguments for and against cost-benefit analysis, the monetary valuation of life and the risk of death, and the use of economic reasoning in public policy and law.

Note: Offered jointly with the Law School as LAW - 93375A. Meets at the Law School. Open to GSAS students with permission of the instructor.

[***Government 2049. Philosophical Foundations of Rational Choice Theory**](#)

Catalog Number: 3552

Richard Tuck

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17



This course will look first at the idea of rationality in modern economics, and then at the application of this idea to a number of important issues in political science, culminating in the question of social co-operation.

Note: Open to qualified undergraduates.

Government 2056. Political Thought of the English Revolution

Catalog Number: 5107

Eric M. Nelson

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course will survey the remarkable range of political responses to the English constitutional crisis of 1640 to 1660, from theories of divine right to the arguments of the Levellers. Readings will include Filmer, Harrington, Lilburne, Milton, Nedham, Parker, and Sidney. Special attention will be paid to the idiosyncratic perspective of Thomas Hobbes.

***Government 2057. Religion in a Secular Age - (New Course)**

Catalog Number: 7684

Michael J. Sandel and Charles M. Taylor

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

What does it mean to live in a secular age? How have the role of religion and the conditions of faith changed in recent centuries? Seminar will explore themes from Charles Taylor's *A Secular Age*.

Note: Open to GSAS students and others by permission of the instructors.

[Government 2059. Rawls]

Catalog Number: 4751

Michael E. Rosen

Half course (spring term). Hours to be arranged.

We shall cover the full range of Rawls' writings and set ourselves the task of developing a sympathetic account of the continuities and changes in his thought as he responded to criticism of his project.

Note: Expected to be given in 2009–10.

Government 2081. Political Thought of Michael Oakshott - (New Course)

Catalog Number: 5868

Patrick T. Riley

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The political, moral, and historical thought of Michael Oakshott, including *Experience & Its Modes* (1933), *Hobbes' Leviathan* (1946, 1974), *The 1958 Harvard Lectures*, *Rationalism in Politics* (1962), and *On Human Conduct* (1975), and *On History* (1982, 2004).

[Government 2088. Ethical Foundations of Political Thought]

Catalog Number: 2378

Michael E. Rosen and Eric Beerbohm

Half course (spring term). Hours to be arranged.

This class will cover areas of contemporary moral philosophy (for instance, utilitarianism, freedom, the nature of value, consent, well-being and desert) that are of particular relevance to



political theorists.

Note: Expected to be given in 2010–11.

[*Government 2090. Ethics and Biotechnology]

Catalog Number: 0942

Michael J. Sandel

Half course (fall term). Hours to be arranged.

The seminar explores the moral and political implications of recent advances in biotechnology. Topics include cloning, stem cell research, genetic engineering, eugenics, and patenting of life forms.

Note: Expected to be given in 2009–10. Offered jointly with the Law School as 93370-11. Meets at the Law School. Open to GSAS students with permission of the instructor.

Government 2091. Bentham - (New Course)

Catalog Number: 2443

Richard Tuck

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course is an opportunity to study the moral and political thought of Jeremy Bentham, and to understand the character of early Utilitarianism.

Government 2092. Economics and Political Theory - (New Course)

Catalog Number: 0360

Michael E. Rosen

Half course (spring term). W., 4–6. EXAM GROUP: 9

The course will address points of intersection between economics and political theory: well being, the operation of markets, the nature of rationality, collective action and social choice, allocation, redistribution and justice, for example.

Cross-listed Courses

Economics 2054. Social Choice and Welfare Economics

Comparative Government

For Undergraduates and Graduates

[Government 1100. Political Economy of Development]

Catalog Number: 7687

Robert H. Bates

Half course (fall term). Hours to be arranged.

Comparative analysis of political economy of development drawing on case studies from Africa, Asia, the Middle East, and Latin America.

Note: Expected to be given in 2009–10.

Government 1111. Political Institutions in Democracies and Non-Democracies

Catalog Number: 7400



Nahomi Ichino

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

This course broadly examines how formal political institutions vary across countries, why these differences matter, and how these institutions change. Topics covered include regime type, presidentialism, parliaments and legislatures, government formation, rules governing elections, the franchise, political parties, the judiciary, bureaucracy, and federalism.

Government 1116. The Rise and the Fall of the Housewife - (New Course)

Catalog Number: 5339

Margarita Estevez-Abe

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course examines how similar socio-economic changes affected women and their families differently in advanced industrial societies. It explores political factors that might explain why the housewife disappeared in some countries but not in others.

***Government 1117. Comparative Public Administration: Seminar - (New Course)**

Catalog Number: 3761 Enrollment: Limited to 12.

Cheryl Brown Welch

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This seminar revisits key concepts and theories of public administration exploring from a US-European comparative perspective the organizational structure, main features, principles, and task allocation in contemporary regulatory regimes, the policy-making role of public bureaucracies, as well as problems of administrative accountability. Examining current public management reform efforts, this course analyzes how globalization affects purpose and functioning of administrative systems and evaluates patterns best suited for efficiency articulating basic ideas for sustainable good governance.

[Government 1170. Nation-Building and Democracy in the Development of Europe]

Catalog Number: 2585

Daniel F. Ziblatt

Half course (spring term). Hours to be arranged.

The course introduces students to the political development of western and eastern Europe, providing students with key historical context for understanding the challenges of on going European integration and enlargement. The main focus will be on the issues of feudalism, state-formation, revolution, industrialization, nationalism, and democracy to explore the origins and consequences of the historic divide between the two halves of Europe.

Note: Expected to be given in 2009–10.

***Government 1172 (formerly *Government 90a). Contemporary British Politics: Seminar**

Catalog Number: 6263 Enrollment: Limited to 16.

James E. Alt

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Focuses on changes in economy, society, and politics in the transition from empire to small country. Topics include the evolving party system, electoral behavior, and a range of policy questions involving economic management, the welfare state, the European Community, race relations, and Northern Ireland.



***Government 1174. Ending War and Building Peace: Seminar - (New Course)**

Catalog Number: 7776 Enrollment: Limited to 12.

Cheryl Welch and members of the Department

Half course (spring term). Tu., 4–6.

How do wars end? How can democratic politics emerge in the wake of violent conflict? This seminar explores the challenges of ending war and political violence, achieving and implementing peace agreements, and consolidating the peace that follows. We explore the evolving nature of war in the 21st century (terrorism, genocide, state collapse), investigate the issues related to negotiating ceasefires and peace treaties, and learn from a variety of current case studies.

Government 1181. The Politics of the European Union - (New Course)

Catalog Number: 1877

Carina Sprungk

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

The European Union (EU) has evolved into a political community that deeply affects the daily lives of its citizens. This class surveys the development of European integration and gives an introduction into the EU's political system. It focuses on (1) the history of European integration, (2) the institutions of the EU, (3) the major theories explaining the process of European integration and the functioning of the EU, (4) specific EU policy areas and (5) current issues and debates in EU Politics.

Government 1184. Government and Politics in Europe - (New Course)

Catalog Number: 5705

Carina Sprungk

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This course introduces into Government and Politics in Contemporary Europe. It will enable students to explore similarities and differences among the political institutions, public policies and societies of European states. The course explores the historical evolution of selected Western, Central, and Eastern European countries; and addresses some of the major challenges they are currently facing. Special emphasis will be put on comparative methods and how they can be used to analyze similarities and differences both between European states and between Europe and other advanced industrialized democracies.

[Government 1197. The Political Economy of Africa]

Catalog Number: 9130

James Robinson

Half course (spring term). Hours to be arranged.

The basic social science literature on Africa's development. Particular emphasis on political economy.

Note: Expected to be given in 2009–10.

Government 1203. Capitalism and Democracy in Central and Eastern Europe

Catalog Number: 7078

Grzegorz Ekiert

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12



General introduction to East European politics focusing on the countries outside the former Soviet Union. Examines critical periods and dynamics of political and economic changes in the region from the end of World War I to the recent enlargement of the European Union.

Government 1204. Islam and International Relations from World War II to Bin Laden - (New Course)

Catalog Number: 3339

Jocelyne Cesari (Divinity School)

Half course (spring term). M., W., at 9. EXAM GROUP: 2

The main purpose of this course is to analyze the different meanings and theories of jihad and how they influence International Relations and current conflicts in Afghanistan or Iraq. The course will review the use of jihad in Muslim empires and contemporary State systems, and will also analyze the modern concept of jihad in political movements like Hamas and Hizbu'llah and Al Quaida. No specific knowledge of Arabic or Islam is required.

Government 1206. Contemporary Political Islam

Catalog Number: 0371

Emad Shahin (The American University in Cairo)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course provides students with an understanding of the phenomenon of political Islam and its impact on today's politics. It analyzes the Islamic order and the model(s) that inspires modern Islamist activists; examines the ideas of main ideologues of contemporary Islamic movements; and presents case studies of mainstream and radical Islamic groups. The course concludes with a critical analysis of the future of political Islam and its relations with the West.

***Government 1209. Post-Communist Islam**

Catalog Number: 5816 Enrollment: Limited to 25.

Thomas Simons

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the contemporary situations of Muslims in the post-Soviet space and Eastern Europe. After sessions on Islam as a religion and in history and on Muslims in the Russian Empire and under Communism, focuses on post-Soviet developments in the four main Eurasian areas where Muslims live, in Russia and in independent new states. Ends with sessions on Chechnya and on Muslims in the Balkans. Main theme: the interplay of socio-economic development, religion, and politics.

***Government 1217 (formerly *Government 98bm). Israeli National Security Strategy, Policy and Decision Making**

Catalog Number: 6236 Enrollment: Limited to 16.

Chuck Freilich

Half course (spring term). M., 4–6. EXAM GROUP: 9

Israel confronts an external environment of nearly unremitting hostility. Israel has responded by developing a disproportionate defense establishment and "hunkering down" decision making style. The course focuses on basic tenets and issues of Israel's national security strategy and its structures and processes of decision making. It is designed for those with a general interest in



Israel and Mid East, comparative politics and practitioners/future practitioners, with an interest in "real world" analysis.

Government 1218. Globalization, Development, and the Middle East

Catalog Number: 3963 Enrollment: Limited to 30.

Emad Shahin (The American University in Cairo)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course focuses on globalization, development, and the Middle East and North Africa (MENA). It investigates globalization and the politics and strategies of development in the MENA . The topics that the course covers include: the impact of the global economy on MENA countries; the mismanagement of the region's resources; types of political regimes; problems associated with state-led growth, privatization, and corruption; the limits of liberalization; and regional integration vs. globalization. The assigned readings analyze specific case studies.

Government 1243. Russian Politics in Transition

Catalog Number: 1982

Timothy J. Colton

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An examination of politics in the Russian Federation since the collapse of Soviet communism, focusing on the factors promoting and impeding the development of a stable democratic regime. Topics include the general dynamics of political and economic transformation, leadership, institution building, political culture, regionalism and federalism, electoral and party politics, state-society relations and interest groups, and Russian nationalism and neo-imperialism.

Government 1287. Contemporary Chinese Politics - (New Course)

Catalog Number: 4399

Nara Dillon

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

This course provides a broad overview of contemporary Chinese politics, examining both the Maoist revolutionary period and the post-Mao reform period. In addition to analyzing Chinese politics in comparative perspective, the course also introduces students to a variety of influential Chinese political theorists to gain an insider's perspective on the country's problems and potential.

Government 1295. Comparative Politics in Latin America

Catalog Number: 4241

Steven R. Levitsky

Half course (spring term). M., W., 2–3:30, and a section to be arranged. EXAM GROUP: 7, 8

Examines dynamics of political and economic change in modern Latin America, focusing on Argentina, Brazil, Chile, Cuba, Mexico, and Venezuela. Topics include the rise of populism and import-substituting industrialization, revolutions and revolutionary movements, the causes and consequences of military rule, the politics of economic reform, democratic transitions, and democratic consolidation. The course analyzes these phenomena from a variety of different theoretical perspectives, including cultural, dependency, institutionalist, and leadership-centered approaches.

Note: This course, when taken for a letter grade, meets the Core requirement for Social Analysis.



Cross-listed Courses

Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis

Foreign Cultures 48. The Cultural Revolution

[Historical Study A-73. The Political Development of Western Europe]

[Historical Study B-64. The Cuban Revolution, 1956-1971: A Self-Debate]

[Social Analysis 52. The Political Economy of Development]

Social Studies 50. Genocide - (New Course)

Primarily for Graduates

***Government 2105. Comparative Politics: Field Seminar**

Catalog Number: 0154

Jorge I. Domínguez and Thomas F. Remington (Emory University)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Surveys topics in comparative politics (both the developed and the developing world), including the rise of the modern state; institutions of government; interest mediation; democracy and authoritarianism; revolution; political parties; mass and elite political behavior; political economy.

Note: Preference given to FAS Government graduate students.

[Government 2122. Civil Wars: Theory and Policy]

Catalog Number: 0885

Monica D. Toft (Kennedy School)

Half course (fall term). Tu., Th., 10:10–11:30. EXAM GROUP: 12, 13

This course introduces students to the theoretical and comparative study of civil wars. The course aims to provide students with solid analytical and historical foundations and highlight the policy dilemmas associated with civil wars.

Note: Expected to be given in 2009–10. Open to junior and senior undergraduates with permission of instructor. Offered jointly with the Kennedy School as IGA-315. Meets at the Kennedy School.

Government 2123. International Courts

Catalog Number: 1527

Jens Meierhenrich

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

This seminar provides an introduction to the role of courts in municipal and international law, with particular reference to their evolution and effects.

[Government 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 2009–10.

***Government 2136. Political Regimes and Regime Change - (New Course)**

Catalog Number: 5702 Enrollment: Limited to 15.

Steven R. Levitsky and Daniel F. Ziblatt

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course examines theoretical approaches to democratization, evaluating them in light of historical and contemporary cases. We examine themes such as the relationship of free markets/democracy, the proliferation of hybrid regimes, and authoritarian persistence.

Government 2148. Civil Society, West and East

Catalog Number: 4675

Susan J. Pharr and Grzegorz Ekiert

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Focusing in particular on European and Asian settings, the seminar examines debates over what civil society is, notions of public space and social capital, and the role of civil society in political transitions.

***Government 2158. Political Institutions and Economic Policy**

Catalog Number: 6448 Enrollment: Limited to 16.

Kenneth A. Shepsle and Jeffrey Frieden

Half course (spring term). M., 4–6. EXAM GROUP: 9

We explore the role of political institutions in the formation, implementation, and regulation of economic policy. Theories from positive political theory and comparative and international political economy are examined and applied to substantive issue areas.

***Government 2160. Politics and Economics**

Catalog Number: 7780 Enrollment: Limited to 15.

James E. Alt and Torben Iversen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Covers the political economy of policymaking and institutional change. Readings include a mixture of foundational approaches and recent research, covering a variety of methodological perspectives. The topical emphasis is on democracy, accountability, inequality, redistribution, and growth.

Government 2176. Politics of Social Inequality in the Developed Democracies

Catalog Number: 7083 Enrollment: Open to qualified undergraduates

Peter A. Hall

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Considers competing perspectives on the social well being of nations and its determinants. Topics include: the politics of inequality in the development of democracy, the electoral causes and consequences of inequality, change in varieties of capitalism, the impact of culture and institutions on inequalities of income and health, with a focus on Europe and the OECD countries.



Government 2213. Comparative Politics of Post-Socialism

Catalog Number: 6876

Timothy J. Colton, Rawi Abdelal (Business School), and Grzegorz Ekiert

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

A research seminar designed to define an agenda for the comparative analysis of political developments among post-socialist systems. Emphasis placed on the formation of research proposals, methods of analysis, theory-building, and the presentation of comparative empirical research.

Government 2218. Topics in Russian Politics

Catalog Number: 0872

Timothy J. Colton

Half course (spring term). Tu., 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 2221. Comparative Politics and the Middle East

Catalog Number: 7459

Emad Shahin (The American University in Cairo)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course aims at equipping graduate students with the theoretical and empirical skills necessary to link the discipline of comparative politics to the Middle East as an area study.

Government 2227. The Politics and Economics of Africa

Catalog Number: 8307 Enrollment: Open to juniors and seniors with instructor's permission.

Nahomi Ichino

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines social science research on the politics and political economy of Africa.

[Government 2262. Politics and Political Economy in Japan]

Catalog Number: 7446

Susan J. Pharr

Half course (spring term). Hours to be arranged.

Japanese politics and political economy in comparative perspective. Analyzes the: 1955 system and post-1993 changes; political economy debates; changing role of parties and bureaucracy; electoral system effects; social policy choices; and problems of marginality.

Note: Expected to be given in 2009–10. Open to qualified undergraduates.

Government 2284. Chinese Authors on Chinese Politics

Catalog Number: 7556

Roderick MacFarquhar

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of how PRC authors have analyzed the politics of their country and comparisons with relevant Western accounts.

Note: Open to qualified undergraduates.



Prerequisite: A good reading knowledge of Chinese and previous course work on Chinese politics.

***Government 2285. Political Science and China**

Catalog Number: 1566

Elizabeth J. Perry

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This graduate seminar gives students control over the secondary literature on Chinese politics, with special attention to competing theoretical and methodological approaches.

Note: Requires background in contemporary Chinese history / politics.

[*Government 2286. Research Seminar on Chinese Politics]

Catalog Number: 7361

Elizabeth J. Perry

Half course (spring term). Hours to be arranged.

Focuses on primary sources for the study of Chinese politics: archives, documents, gazetteers, yearbooks, interviews, etc. Students write a major research paper, using primary sources.

Note: Expected to be given in 2009–10.

Prerequisite: Government 2285 required.

American Government, Public Law and Administration

For Undergraduates and Graduates

Government 1300. The Politics of Congress

Catalog Number: 8868

David C. King (Kennedy School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Government 1300 explores theories of representation, the history of Congress, campaigns and elections, lobbying, institutional rules, committees, party leadership, and how Congress works with other institutions. Taught by the chair of Harvard's program for Newly Elected Members of Congress, Government 1300 will bring elements of the elections - and the subsequent 110th Congress - into the classroom.

Government 1359. The Road to the White House - (New Course)

Catalog Number: 0913

Carlos E. Diaz Rosillo

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Examines the role of presidential campaigns and elections in American politics. Studies the origins and evolution of the presidential nominating and electoral process and explores how modern campaigns inform, influence, and mobilize voters. Topics include the role of political parties and candidates, campaign strategies and issues, political advertisement and media coverage, and campaigning and governing. Special efforts will be made to incorporate major developments in the 2008 campaign with political science research on presidential campaigns and elections.



Government 1362. Democratic Citizenship Public Opinion and Participation in the US

Catalog Number: 8628

Claudine Gay

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Course examines the nature of public opinion and political participation. Considers how people acquire, organize, and apply their political beliefs; historical and contemporary patterns of public opinion, with emphasis on conflicts of values and social groups; who votes and why; the role of the media and political campaigns in mobilization and in formation of public opinion; and linkage between opinion, participation, and policy, with attention to whether citizens can discharge the responsibilities of democratic citizenship.

Government 1368. The Politics of American Education

Catalog Number: 8971

Paul E. Peterson

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A comprehensive survey of the governmental institutions and political processes that shape education policy in the United States.

Government 1510. American Constitutional Law

Catalog Number: 0383

Richard H. Fallon

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Provides an introduction to contemporary American constitutional law, with a principal focus on decisions by the Supreme Court of the US. Topics to be studied include freedom of speech and religion, guarantees of due process and equal protection, and the powers of Congress and the courts.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning

Government 1518. The American Legal System - (New Course)

Catalog Number: 9640

Robert A. Kagan

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course examines how the American political system, viewed comparatively and empirically, deals with selected problems - e.g., empowering and selecting judiciaries, adjudicating criminal cases, regulating environmental harm, compensating accident victims, remediating harsh inequalities. Formal requirements: a midterm examination, a final examination, and a substantial research paper based on field research concerning an actual legal dispute.

Government 1521. Bureaucratic Politics: Government, Economic, Social and Military Organizations

Catalog Number: 6271

Daniel P. Carpenter

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A theoretical and historical analysis of bureaucratic organizations in various domains of modern society, including military organizations, business corporations, non-profit organizations,



regulatory agencies, executive departments, and religious organizations. Theories include institutional, transaction-cost, reputation-based, and cultural theories of formal organizations. Readings and cases will include the US Army and other militaries, the business corporation in industrializing America and today, the FDA and the Forest Service, the Catholic Church, and police and educational organizations.

Government 1524. Agenda Setting in Congress - (New Course)

Catalog Number: 1092

Matthew B. Platt

Half course (spring term). M., W., at 9. EXAM GROUP: 2

This course is interested in understanding how and why Congress pays attention to certain issues rather than others. The intent is to provide a comprehensive look at the roles of institutional design, citizen participation, political entrepreneurship, and media coverage in placing issues onto the congressional agenda. Students will be encouraged to integrate knowledge from a variety of subfields in American politics to offer a broader view of how issues are placed onto the congressional agenda - and ultimately - shift public policy.

Government 1540. The American Presidency

Catalog Number: 4925

Roger B. Porter (Kennedy School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Course analyzes the development and modern practice of presidential leadership. Examines the institutional presidency, presidential selection, decision making, and the relationship of the presidency with the executive branch, Congress, courts, interest groups, the press and the public. Considers the political resources and constraints influencing the President's ability to provide leadership in the US political system.

Note: Offered jointly with the Kennedy School as PAL-115. Meets at FAS.

***Government 1597. Advanced Topics in Health Policy**

Catalog Number: 2981 Enrollment: Limited to 20.

Daniel P. Carpenter

Half course (spring term). W., 4:30–6:30. EXAM GROUP: 9

Explores current issues in national and global health care policy. Topics have included: the politics of health care reform, the politics of special interests, pharmaceutical policy, comparative health systems, cost containment, global health, racial and ethnic disparities in care, quality measurement and improvement, income inequality and health, and organizational influences on care quality. A research paper will be required.

Prerequisite: Extra-Departmental Courses 186 (formerly General Education 186).

Cross-listed Courses

African and African American Studies 128. Black Nationalism

Environmental Science and Public Policy 78. Environmental Politics

Historical Study B-61. The Warren Court and the Pursuit of Justice, 1953–1969

Moral Reasoning 74. The Theory and Practice of Republican Government



Social Analysis 54. American Society and Public Policy

Social Analysis 66. Race, Ethnicity, and Politics in the United States

Primarily for Graduates

***Government 2305. American Government and Politics: Field Seminar**

Catalog Number: 2305

Jennifer L. Hochschild and Ryan Owens

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Designed to acquaint PhD candidates in Government with a variety of approaches that have proved useful in examining important topics in the study of American government and politics.

Government 2310. Social Capital and Public Affairs: Research Seminar

Catalog Number: 7051

Robert D. Putnam

Half course (spring term). W., 4–6. EXAM GROUP: 9

Topics in the relationship between politics and civil society in the US.

Note: Offered jointly with the Kennedy School as API-420. Meets at the Kennedy School.

***Government 2314. Topics in American Political Behavior**

Catalog Number: 8452 Enrollment: Open to PhD students only

Claudine Gay

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Course surveys field of political behavior, emphasizing recent developments in literature. Topics include uncertainty; opinion change and learning; partisanship and ideology; salience of race and social identity; participation; links between public opinion, elections, and policy.

Government 2321. American Politics: Power, Structure, Behavior - (New Course)

Catalog Number: 9412

Kenneth A. Shepsle and Stephen D. Ansolabehere

Half course (fall term). Th., 10–12. EXAM GROUP: 12, 13

This seminar covers empirical and theoretical research on power, structure, and behavior in American politics, emphasizing what we know and how we present research to various audiences, especially through textbooks, legal cases, and media. Statistics and/or game theory recommended.

Government 2324. American Constitutional Development - (New Course)

Catalog Number: 6318

Mark A. Graber

Half course (fall term). M., 1:30–3:30. EXAM GROUP: 6, 7, 8

American Constitutional Development highlights American constitutional developments from ratification until the twenty-first century. The seminar will focus on both judicial decisions and constitutional developments outside of the courts.

[Government 2335. Power in American Society]

Catalog Number: 2649



Jennifer L. Hochschild

Half course (spring term). Hours to be arranged.

Considers theories of power in American political science and political theory; how to measure and use these theories to understand political stratification choices. Attention to race, gender, class, legal standing, policies, and institutional frameworks.

Note: Expected to be given in 2009–10.

***Government 2340a (formerly *Government 2340). Social Policy I**

Catalog Number: 5491

Jennifer L. Hochschild and Bruce Western

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Considers the effects of policies and institutions in creating or reducing inequality in the US and other advanced democracies, as well as the reciprocal effects of inequality on political activity and policy choices.

Note: Offered jointly with the Kennedy School as HLE-512.

Government 2351. The United States Supreme Court - (New Course)

Catalog Number: 7351

Ryan James Owens

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This course provides graduate students with a systematic understanding of the Supreme Court as an institution. We examine issues regarding judicial process and politics, and how participants attempt to achieve their goals within institutional constraints.

Government 2453. Practical and Theoretical Regulation of Voting - (New Course)

Catalog Number: 9666

Kevin M. Quinn and Daniel James Greiner (Law School)

Half course (fall term). W., Th., 3:30–5. EXAM GROUP: 8, 9, 17

The course will focus on points of contact between legal scholarship on voting rights and election law and the political science literature on redistricting, voting behavior, and elections. Emphasis will be placed on how observed data can be, and should be, used as evidence.

Note: Offered jointly with the Harvard Law School as LAW-e5255a1/f. Meets at the Law School.

***Government 2490. The Political Economy of the School**

Catalog Number: 3399

Paul E. Peterson

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examination of political and economic influences on education policy and governance.

Background in statistics expected.

Note: Limited enrollment. Permission of instructor required for all students who are not graduate degree candidates in the FAS Department of Government. Government 1368 required or permission of instructor. Offered jointly with the Kennedy School as HLE-348. Meets at the Kennedy School.

Cross-listed Courses



Government students interested in taking the following course must consult with the Director of Graduate Studies:

International Relations

For Undergraduates and Graduates

[Government 1730. War and Politics]

Catalog Number: 6806

Stephen P. Rosen

Half course (fall term). Hours to be arranged.

Explores the organized use of violence for the purposes of the state, with particular attention paid to the question of strategy and the sources of victory.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Government 1732. The Origins of Modern Wars

Catalog Number: 7668

Stephen Martin Walt (Kennedy School)

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

This course explores the causes of war. It examines the different theories that have been devised to explain organized violence between states (or groups seeking to control a state), and evaluates these competing theories by exploring several major conflicts of the past 100 years: World War I, World War II, the Cold War, the Arab-Israeli conflict, and the recent wars in the Persian Gulf. The course also considers the phenomenon of ethnic conflict, the implications of nuclear weapons and the question of whether large-scale war is becoming "obsolescent."

Note: This course, when taken for a letter grade, meets the Core requirement for Historical Study A.

[Government 1740. International Law]

Catalog Number: 7406

Beth A. Simmons

Half course (fall term). Hours to be arranged.

An introduction to public international law for students of international relations. The primary purpose is to enhance students' understanding of the ways in which international law orders international politics. Emphasis is on the substantive rules of international law, the relationship between law and politics, and cases that illustrate the issues. Topics include international human rights law, international economic law and institutions, the use of force, war crimes, and terrorism.

Note: Expected to be given in 2009–10.

Government 1744. The Geopolitics of Emotion - (New Course)

Catalog Number: 4753

Dominique Moisi

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

Are emotions useful to understand and deal with the complexities of international relations? Are



we in a "clash of emotions", with the United States and Europe dominated by a culture of fear, the Moslem-Arab world paralyzed by a culture of humiliation and Asia stimulated by a culture of hope?

[Government 1760. International Relations of East Asia]

Catalog Number: 2733

Alastair Iain Johnston

Half course (fall term). Hours to be arranged.

Introduction to the historical, military, political, economic, and cultural features of interstate relations in East Asia and the Pacific. The course also presents some theoretical and methodological tools for more systematic analysis of these issues. The goal is to understand changing levels of conflict and cooperation in the region.

Note: Expected to be given in 2009–10.

Government 1780. International Political Economy

Catalog Number: 0272

Strom Thacker (Boston University)

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Analyzes the interaction of politics and economics in the international arena. Focuses on international trade, investment, monetary, and financial relations. Includes discussion of developed, developing, and formerly centrally-planned nations.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Government 1790. American Foreign Policy

Catalog Number: 8017

Robert L. Paarlberg (Wellesley College)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Examines and explains the international actions of the US Government. Explanations drawn from history, international relations theory, and from the study of American political and bureaucratic institutions. Emphasis is placed on the recent rise of the US to a position of unprecedented military dominance, how this military power has been used, and how other states, non-state actors, or global governance institutions have responded.

Note: This course, when taken for a letter grade, meets the Core requirement for Social Analysis.

***Government 1795 (formerly *Government 90g). US–Latin American Relations: Seminar**

Catalog Number: 5153 Enrollment: Limited to 16.

Jorge I. Domínguez

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A study of political and economic relations between the United States and Latin American countries, and of the international relations of Latin America since 1960. Attention also given to foreign policy decision making in the US and Latin America, and to alternative approaches to the study of international relations and foreign policy.

Note: Expected to be omitted in 2009–10.



***Government 1966. The Arab-Israeli Conflict Today: A Contemporary Policy Perspective**

Catalog Number: 3863

Chuck Freilich

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

The seminar traces the background of this unusually bitter, all-encompassing, resolution-resistant conflict. Primary emphasis is on the issues as they stand today (Israel - Palestinians, Syria, Lebanon, Iran), the sides' concerns, fears and policy objectives. Students will write policy papers from the perspective of leaders from the different countries and participate in simulations. The course is suitable for all, especially those interested in "real world" politics and considering careers in the field.

Government 1982. Chinese Foreign Policy, 1949–2007

Catalog Number: 8908

Alastair Iain Johnston

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Introduction to the descriptive history of China's international relations with special focus on different theoretical explanations for changes in foreign policy behavior (e.g. polarity, history, ideology, leadership, bureaucracy, among others).

Note: No prior background in China or international relations theory required.

Cross-listed Courses

[French 190. Albert Camus]

Historical Study A-51. The Modern World Economy, 1873-2000

[Moral Reasoning 28. Ethics and International Relations]

Social Studies 53. Modern War: The War in Iraq: A Case Study - (New Course)

Primarily for Graduates

***Government 2710. International Relations: Field Seminar**

Catalog Number: 8310

Alastair Iain Johnston and Michael J. Hiscox

Half course (fall term). Hours to be arranged.

A survey of the field. Suitable for students preparing for general examinations.

Note: Limited to Government graduate students.

[*Government 2721. Psychological Approaches to International Relations]

Catalog Number: 5404

Stephen P. Rosen

Half course (spring term). Hours to be arranged.

This course will examine the relevance of the findings from experimental psychology to the behavior of individual decision makers in international relations. Topics will include prospect theory, attribution theory, and evolutionary psychology.

Note: Expected to be given in 2009–10.



Government 2735. Empirical Models in International Relations - (New Course)

Catalog Number: 9499

Muhammet Ali Bas and Beth A. Simmons

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This course examines statistical issues relevant to the study of international politics. The purpose is to familiarize students with different models that have been employed in research on international conflict, IPE and international institutions.

[Government 2752. Formal Modeling in International Relations]

Catalog Number: 3764

Muhammet Ali Bas

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course is intended for advanced graduate students interested in the formal analysis of international relations. The goal is to expose students to the advantages and limitations of mathematical formalization in international relations.

Note: Expected to be given in 2009–10.

[Government 2755. International Political Economy]

Catalog Number: 7392

Beth A. Simmons and Jeffry Frieden

Half course (fall term). Hours to be arranged.

A graduate-level introduction to the theoretical and empirical literature on the political economy of international trade, monetary, regulatory, and investment policies.

Note: Expected to be given in 2009–10.

[Government 2782. State Failure and Civil War]

Catalog Number: 0742

Robert H. Bates

Half course (spring term). Hours to be arranged.

The study of modern works on civil wars, terrorism, and state failure.

Note: Expected to be given in 2009–10.

***Government 2790. Central Challenges of American Foreign Policy**

Catalog Number: 3567

Graham T. Allison, Jr. (Kennedy School)

Half course (spring term). M., W., 2:40–4. EXAM GROUP: 7, 8

Examination of central issues of American foreign policy today. For each issue, analysis of the international environment, identification of specific policy options, consideration of pros and cons, reflection on processes for choice and action.

Note: Offered jointly with the Kennedy School as IGA-201. Meets at the Kennedy School.

Government 2797. European Foreign Policies

Catalog Number: 0008

Stanley Hoffmann

Half course (spring term). W., 4–6. EXAM GROUP: 9



A study of the foreign policies of the UK, France, Germany, Spain, Poland, and of the European Union in the 21st century. What are the main challenges, obstacles and opportunities they face?

Government 2881. Mass Media, Public Opinion, and Foreign Policy

Catalog Number: 7305

Matthew Baum (Kennedy School)

Half course (fall term). M., W., 2:40–4. EXAM GROUP: 7, 8

This course investigates whether, how, and to what extent the mass media and public opinion interact with each other and with political leaders in order to influence the conduct of foreign policy.

Note: Offered jointly with the Kennedy School as PPP-306. Meets at the Kennedy School.

Government 2900. US–Latin American Relations

Catalog Number: 8020

Jorge I. Domínguez

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Studies US-Latin American political, military, and economic relations and Latin American international relations. Includes foreign policy decision making in the US and Latin America and alternative approaches to the study of the subject.

Graduate Courses of Reading and Research

***Government 3000. Reading and Research**

Catalog Number: 3391

James E. Alt 1593 (on leave 2008-09), Robert H. Bates 1251 (on leave 2008-09), Eric Beerbohm 5558, Daniel P. Carpenter 4509, Timothy J. Colton 2269, Jorge I. Domínguez 3823, Grzegorz Ekiert 2718, Margarita Estevez-Abe 3565, Jeffry Frieden 1627, Claudine Gay 5485 (on leave fall term), Adam Glynn 5600 (on leave spring term), Peter A. Hall 7272, D. Sunshine Hillygus 4617 (on leave spring term), Michael J. Hiscox 4104, Jennifer L. Hochschild 3785 (on leave spring term), Stanley Hoffmann 1757 (on leave fall term), Nahomi Ichino 5316, Torben Iversen 1250 (on leave 2008-09), Alastair Iain Johnston 3213, Gary King 1723, Steven R. Levitsky 2395, Roderick MacFarquhar 7856, Harvey C. Mansfield 1731 (on leave 2008-09), John W. Patty 4999 (on leave fall term), Elizabeth M. Penn 5000 (on leave spring term), Elizabeth J. Perry 3074, Paul E. Peterson 2114, Susan J. Pharr 1518, Robert D. Putnam 6193, James Robinson 5022, Michael E. Rosen 5610, Stephen P. Rosen 2721 (on leave 2008-09), Nancy Lipton Rosenblum 3786, Michael J. Sandel 7065, Kenneth A. Shepsle 1421, Beth A. Simmons 4487, Cindy Skach 3386, Theda Skocpol 1387 (on leave fall term), Dennis F. Thompson 1426, Richard Tuck 1704, Sidney Verba 4072 (on leave 2007-08), Stephen Martin Walt (Kennedy School) 5870 (spring term only), and Daniel F. Ziblatt 4641

Note: Requires written work of sufficient quantity and quality so that the course is equivalent to a lecture course or a seminar. Students who want supervised reading without substantial written work should take TIME-C (catalog number 8899) instead.

***Government 3000a. Reading and Research Seminar**

Catalog Number: 4143

Members of the Department



Small seminar on special topics. May be arranged with faculty listed under Government 3000. Requires written work as does Government 3000, but also involves regular class meetings.

Research Workshops

All Department of Government graduate students who have passed generals are eligible to enroll in one of the following research workshops. Others may attend with permission of instructor.

***Government 3004. Research Workshop in American Politics**

Catalog Number: 8566

Daniel P. Carpenter 4509, Matthew Platt

Full course (indivisible). Th., 2–4.

A forum for the presentation and discussion of research in progress by graduate students (second year and above), faculty, and visiting scholars. Anyone working on contemporary American politics or on US political development welcome. Occasional presentations by invited speakers.

***Government 3005b. Research Workshop in International Relations: New Approaches to Security Studies**

Catalog Number: 1016

Muhammet Ali Bas 5883 and Alastair Iain Johnston 3213

Full course (indivisible). .

Research workshop for advanced graduate students working on dissertation proposals in security studies.

***Government 3006. Research Workshop in Comparative Politics**

Catalog Number: 0910

Jens Meierhenrich 4401 and Susan J. Pharr 1518

Full course (indivisible). W., 4–6.

The workshop offers advanced graduate students an opportunity to present their work-in-progress, benefit from critiques of it, and discuss theoretical and methodological issues.

Note: Doctoral students from other departments and faculties admitted if space permits.

***Government 3007. Research Workshop in Political Economy**

Catalog Number: 0968

James E. Alt 1593 (on leave 2008-09), Jeffry Frieden 1627, Michael J. Hiscox 4104, Nahomi Ichino 5316, and Daniel F. Ziblatt 4641

Full course (indivisible). M., 12–2.

Intended for graduate students in the third year and above, this course welcomes scholarship of all types and on all aspects of political economy. Intended to provide a venue in which to develop and to debate work in progress.

***Government 3008. Research Workshop in Political Theory**

Catalog Number: 1704

Michael E. Rosen 5610 and Dennis F. Thompson 1426

Full course (indivisible). W., 12–2.



***Government 3009. Research Workshop in Applied Statistics**

Catalog Number: 8142

Alberto Abadie (Kennedy School) 5277, Garrett M. Fitzmaurice (Public Health) 4067, Lee Fleming (Business School) 3839, Guido W. Imbens 2671 (on leave spring term), Gary King 1723, Kevin M. Quinn 4737 (on leave spring term), James M. Robins (Public Health) 1492, Donald B. Rubin 7966, Bruce Western 5763, and Christopher Winship 3189 (on leave spring term)

Full course (indivisible). W., 12–2.

A forum for graduate students, faculty, and visiting scholars to present and discuss work in progress. Features a tour of Harvard's statistical innovations and applications with weekly stops in different disciplines. Occasional presentations by invited speakers.

Health Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Doctor of Philosophy in Health Policy

Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Public Health*) and Professor of Health Care Policy (*Kennedy School, Medical School, Public Health*) (*Chair*)

Alyce S. Adams, Assistant Professor of Ambulatory Care and Prevention (*Medical School*)

John Zaven Ayanian, Professor of Health Care Policy and of Medicine (*Medical School*) and Professor in the Department of Health Policy and Management (*Public Health*)

Katherine Baicker, Professor of Health Economics (*Public Health*)

Robert J. Blendon, Professor of Health Policy and Political Analysis (*Public Health, Kennedy School*)

David Bloom, Clarence James Gamble Professor of Economics and Demography (*Public Health*)

Allan M. Brandt, Amalie Moses Kass Professor of the History of Medicine in the Faculty of Medicine, and Professor of the History of Science in the Faculty of Arts and Sciences, Dean of the Graduate School of Arts and Sciences

Daniel P. Carpenter, Allie S. Freed Professor of Government

Amitabh Chandra, Assistant Professor of Public Policy (*Kennedy School*)

Michael Chernew, Professor of Health Care Policy (*Medical School*)

Nicholas A. Christakis, Professor of Sociology (*FAS*) and Professor of Medical Sociology (*Medical School*)

Paul D. Cleary, Professor of Medical Sociology (*Medical School*)



David M. Cutler, Otto Eckstein Professor of Applied Economics
 Norman Daniels, Mary B. Saltonstall Professor of Population Ethics and Professor of Ethics and Population Health (*Public Health*)
 Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*)
 Arnold M. Epstein, John H. Foster Professor of Health Policy and Management (*Public Health*) and Professor of Medicine and Health Care Policy (*Medical School*)
 Majid Ezzati, Associate Professor of International Health (*Public Health*)
 Erica M. Field, Assistant Professor of Economics
 Richard G. Frank, Margaret T. Morris Professor of Health Care Policy (*Medical School*)
 Guy S. Gazelle, Professor of Radiology (*Medical School*) and Professor in the Department of Health Policy and Management (*Public Health*)
 Susanne J. Goldie, Roger Irving Lee Professor of Public Health (*Public Health*)
 David C. Grabowski, Associate Professor of Health Care Policy (*Medical School*)
 James K. Hammitt, Professor of Economics and Decision Sciences (*Public Health*)
 Robert S. Huckman, Associate Professor of Business Administration (*Business School*)
 Haiden A. Huskamp, Associate Professor of Health Care Policy (*Medical School*)
 Ashish Kumar Jha, Assistant Professor of Health Policy and Management (*Public Health*) and Assistant Professor of Medicine (*Medical School*)
 Nancy M. Kane, Professor of Management (*Public Health*)
 Jane Jooyun Kim, Assistant Professor of Health Decision Science (*Public Health*)
 Gary King, David Florence Professor of Government
 Michael R. Kremer, Gates Professor of Developing Societies
 Bruce E. Landon, Associate Professor of Health Care Policy and of Medicine (*Medical School*)
 Peter V. Marsden, Harvard College Professor and Professor of Sociology (*on leave fall term*)
 Marie C. McCormick, Professor of Pediatrics (*Medical School*) and Sumner and Esther Feldberg Professor of Maternal and Child Health (*Public Health*)
 Thomas G. McGuire, Professor of Health Economics (*Medical School*)
 Barbara J. McNeil, Ridley Watts Professor of Health Care Policy and Professor of Radiology (*Medical School*)
 Michelle M. Mello, C. Boyden Gray Associate Professor of Health Policy and Law (*Public Health*)
 Nolan H. Miller, Associate Professor of Public Policy (*Kennedy School*)
 Carl N. Morris, Professor of Statistics
 Sharon-Lise T. Normand, Professor of Health Care Policy (*Medical School*) and Professor in the Department of Biostatistics (*Public Health*)
 Gary Pisano, Harry E. Figgie, Jr. Professor of Business Administration (*Business School*) (*on leave 2008-09*)
 Lisa A. Prosser, Assistant Professor of Ambulatory Care and Prevention (*Medical School*) and Assistant Professor in the Department of Health Policy and Management (*Public Health*)
 Meredith B. Rosenthal, Associate Professor of Health Economics and Policy (*Public Health*)
 Donald B. Rubin, John L. Loeb Professor of Statistics
 Joshua A. Salomon, Associate Professor of International Health (*Public Health*)
 Stephen B. Soumerai, Professor of Ambulatory Care and Prevention (*Medical School*)
 David G. Stevenson, Assistant Professor of Health Policy (*Medical School*)
 B. Katherine Swartz, Professor of Health Policy and Economics (*Public Health*) (*Director of Graduate Studies*)



Milton C. Weinstein, Henry J. Kaiser Professor of Health Policy and Management and Biostatistics (*Public Health*) and Professor of Medicine (*Medical School, Public Health*) (on leave 2008-09)

Alan M. Zaslavsky, Professor of Health Care Policy (*Medical School*)

Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

Graduate Program in Health Policy

The PhD in Health Policy, awarded by the Faculty of Arts and Sciences, draws upon the resources of six Harvard faculties: the Faculty of Arts and Sciences, the School of Public Health, the Medical School, the Kennedy School of Government, the Law School, and the Business School. This degree is intended primarily for students seeking teaching careers in institutes of higher learning and/or research careers in policy.

Students in the PhD Program in Health Policy choose a concentration and meet specific curriculum requirements in one of seven disciplines: decision sciences, economics, ethics, evaluative science and statistics, management, medical sociology, or political analysis. In addition to choosing a concentration, students specialize in one of five areas of policy interest: environmental health, health care services, international health, mental health, or public health.

Decision Sciences (Professor Milton C. Weinstein, Chair). Decision sciences are the collection of quantitative techniques that are used for decision making at the individual and collective level. They include decision analysis, risk analysis, cost-benefit and cost-effectiveness analysis, decision modeling, and behavioral decision theory, as well as parts of operations research, microeconomics, statistical inference, management control, cognitive and social psychology, and computer science. The concentration in decision sciences prepares students for research careers that involve the application of these methods to health problems.

Economics (Professor Joseph P. Newhouse, Chair). The concentration in economics focuses on the economic behavior of individuals, providers, insurers, and international, federal, state, and local governments and actors as their actions affect health and medical care. In addition to examining the literature on health economics, the training emphasizes microeconomic theory, econometrics, and interactions with other disciplines, including clinical medicine. The concentration prepares students for research and teaching careers as health economists.

Ethics (Professor Norman Daniels, Chair). The ethics concentration integrates quantitative, qualitative, and normative approaches to the analysis of ethical issues in health policy and clinical practice. Increasingly, the investigation of ethical issues in medicine and health policy has not only drawn on normative ethics and political philosophy, but has included empirical research concerning attitudes and practices in clinical and broader institutional settings. A grasp of normative theories and tools is important because ethical principles and approaches underlie, explicitly or implicitly, the formulation of particular health policies at both the macro and micro level. Students in this track will focus on developing skills in a range of disciplines, with the goal of evaluating how ethical and socio-cultural values shape - and should shape - health policies as



well as clinical and public health practices.

Evaluative Science and Statistics (Professor B. Stephen Soumerai and Professor Alan M. Zaslavsky, Co-Chairs). The concentration in evaluative science includes research design, statistics and probability, and quantitative methods in biometry, economics, epidemiology, psychology, and sociology. This training enables students to design experiments and surveys, to perform health outcome assessment studies, to develop statistical models and analyses to evaluate these studies, and to make statistical inferences from observational data sets that arise from health policy and medical care processes. This concentration prepares students to evaluate alternative policy options in health care.

Management (Professor Amy C. Edmondson and Associate Professor Robert S. Huckman, Co-Chairs). The management concentration prepares students to do research on the organizational, managerial, and strategic issues facing health care providers, payers, and other players in the health care market. Students in this track will learn how theories and concepts from fields such as technology and operations management, organizational behavior, organizational economics, and competitive strategy can be applied to - and further developed for understanding - health care organizations.

Medical Sociology (Professor Nicholas A. Christakis and Professor Peter V. Marsden, Co-Chairs). In this concentration, students will learn about, and contribute to knowledge in, several research areas that are extremely important to health policy, including the study of professions and professional behavior, the structure of health care organizations and systems, the impact of organizational and professional change on the structure of medical work, organizational improvement programs and their evaluation, the diffusion of innovations across providers and organizations, and the behavior of patients and consumers - including consumer evaluations of health care quality and patient perspectives on the process and outcomes of care.

Political Analysis (Professor Robert J. Blendon, Chair). This concentration is intended for students who wish to do research on the relationship between politics and health policy. Students will study theories of individual opinion formation, voting behavior, legislative organization, and interest group formation. In addition, students will examine the role of public opinion, interest groups, the media, and institutions in influencing health policy outcomes. The research methodologies most utilized in this track include survey research methods and quantitative statistical methods appropriate for large-scale databases.

Applications: Prospective students should visit the Graduate School of Arts and Sciences website at www.gsas.harvard.edu to apply online or to request an application. Important additional information on financial aid and other aspects of the PhD Program in Health Policy is available from Joan P. Curhan, Director, PhD Program in Health Policy (joan_curhan@harvard.edu) and Deborah Whitney, Associate Director, PhD Program in Health Policy (deborah_whitney@harvard.edu). Website: www.fas.harvard.edu/~healthpl.

Health Policy Courses



Health Policy 2000. Core Course in Health Policy

Catalog Number: 4522

Joseph P. Newhouse (Kennedy School, Medical School, Public Health), Richard G. Frank (Medical School), and Alan M. Zaslavsky (Medical School)

Full course (indivisible). Tu., Th., 4–6. EXAM GROUP: 18

Topics include the financing and organization of health care, public health, political analysis, medical manpower, health law and ethics, technology assessment, prevention, mental health, long-term care, and quality of care.

Note: Required for doctoral candidates in Health Policy and open to others by permission of instructor. Offered jointly with the Kennedy School as HCP-597 and HCP-598 and with the School of Public Health as HPM 246.

***Health Policy 3000. Doctoral Dissertation Research**

Catalog Number: 8422

Members of the Committee

Dissertation research.

***Health Policy 3002. Graduate Reading Course: Mental Health Policy**

Catalog Number: 3528

Richard G. Frank (Medical School) 1371

Participants discuss research on the politics surrounding health policy and examine how to apply existing work and methodological approaches to their own work.

Note: Offered in alternate years.

***Health Policy 3010. First-Year Graduate Reading Course: Ethics**

Catalog Number: 9241

Norman Daniels (Public Health) 4722

Examines issues in ethics and health policy, including a basic account of justice and health; ethical critique of maximization methodologies, including cost-effectiveness analysis; individual and social responsibility for health; and other topics.

***Health Policy 3015. Second-Year Graduate Reading Course: Ethics**

Catalog Number: 4380

Norman Daniels (Public Health) 4722

Student-led course reviews basic issues in ethics, political philosophy, and their bearing on health policy and is important preparation for the qualifying examinations.

***Health Policy 3020. Graduate Reading Course: Political Analysis**

Catalog Number: 3781

Robert J. Blendon (Public Health, Kennedy School) 2712

Participants present their own ongoing research on the politics surrounding health policy and discuss recent research drawn from various methodological approaches. Graduate students, faculty, and visiting scholars are welcome to present research at all stages.

Note: Offered in alternate years.



***Health Policy 3030. Graduate Reading Course: Medical Sociology**

Catalog Number: 1826

Nicholas A. Christakis (Medical School) 4459 and Peter V. Marsden 1797 (on leave fall term)

***Health Policy 3040hf. Research Seminar in Health Policy**

Catalog Number: 8870

B. Katherine Swartz (Public Health) 2461

Half course (throughout the year). .

***Health Policy 3060. Graduate Reading Course: Decision Sciences**

Catalog Number: 2133

Milton C. Weinstein (Medical School, Public Health) 3043 (on leave 2008-09)

***Health Policy 3070. Graduate Reading Course: Economics**

Catalog Number: 7439

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

***Health Policy 3080. Graduate Reading Course: Evaluative Science and Statistics**

Catalog Number: 9516

Stephen B. Soumerai (Medical School) 1906 and Alan M. Zaslavsky (Medical School) 1927

***Health Policy 3090. Graduate Reading Course: Management**

Catalog Number: 2492

Amy C. Edmondson (Business School) 4613 and Robert S. Huckman (Business School) 5234

Courses of Interest

[Economics 2458. Topics in Health Economics - \(New Course\)](#)

[Economics 2460. Health Economics Workshop](#)

***Economics 3460 (formerly *Economics 3460chf). Research in Health Economics**

[Extra-Departmental Courses 186. Introduction to Health Care Policy](#)

[*Extra-Departmental Courses 187. The Quality of Health Care in America](#)

History

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History



Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*Chair*)
 Emmanuel K. Akyeampong, Harvard College Professor and Professor of History and of African and African American Studies
 David R. Armitage, Lloyd C. Blankfein Professor of History (*Director of Graduate Studies*)
 Adam Gregory Beaver, Lecturer on History
 Sven Beckert, Laird Bell Professor of History (*on leave 2008-09*)
 David Blackburn, Coolidge Professor of History
 Ann M. Blair, Henry Charles Lea Professor of History
 Sugata Bose, Gardiner Professor of Oceanic History and Affairs
 Vincent Brown, Dunwalke Associate Professor of American History (*on leave 2008-09*)
 Joyce E. Chaplin, James Duncan Phillips Professor of Early American History
 Nancy F. Cott, Jonathan Trumbull Professor of American History (*on leave 2008-09*)
 Robert Darnton, Carl H. Pforzheimer University Professor
 Emma Dench, Professor of the Classics and of History
 Richard Harry Drayton, Visiting Professor of History (*University of Cambridge*)
 Edhem Eldem, Visiting Professor of History
 Caroline M. Elkins, Hugh K. Foster Associate Professor of African Studies
 Drew Gilpin Faust, Lincoln Professor of History and President of Harvard University
 Niall Ferguson, Laurence A. Tisch Professor of History (*FAS*) and Professor of Business Administration (*Business School*) (*on leave fall term*)
 Alison F. Frank, John L. Loeb Associate Professor of the Social Sciences
 Andrew Gordon, Lee and Juliet Folger Fund Professor of History
 Peter E. Gordon, Professor of History (*on leave fall term*)
 Allen Grieco, Lauro de Bosis Lecturer on the History of Italian Civilization
 James Hankins, Professor of History
 Henrietta Harrison, Professor of History (*on leave fall term*)
 Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
 Patrice Higonnet, Robert Walton Goelet Professor of French History
 Maya Jasanoff, Associate Professor of History
 Andrew Jewett, Assistant Professor of History and of Social Studies
 Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies
 Christopher P. Jones, George Martin Lane Professor of the Classics and of History
 Cemal Kafadar, Vehbi Koc Professor of Turkish Studies (*on leave 2008-09*)
 S. Deborah Kang, Lecturer on History
 William C. Kirby, T. M. Chang Professor of China Studies (*FAS*) and Spangler Family Professor of Business Administration (*Business School*), Harvard University Distinguished Service Professor
 Mark A. Kishlansky, Frank B. Baird, Jr. Professor of History
 James T. Kloppenberg, Charles Warren Professor of American History (*on leave 2008-09*)
 Jill M. Lepore, David Woods Kemper '41 Professor of American History
 Mary D. Lewis, John L. Loeb Associate Professor of the Social Sciences
 Gerard Livesey, Visiting Professor of History (*University of Sussex*)
 Malinda Maynor Lowery, Assistant Professor of History (*on leave 2008-09*)
 Charles S. Maier, Leverett Saltonstall Professor of History



Erez Manela, Dunwalke Associate Professor of American History, Associate of the Humanities Center (*on leave 2008-09*)
 Terry D. Martin, George F. Baker III Professor of Russian Studies
 Ernest R. May, Charles Warren Professor of American History (*on leave spring term*)
 Michael McCormick, Francis Goelet Professor of Medieval History (*on leave 2008-09*)
 Lisa M. McGirr, Professor of History (*on leave 2008-09*)
 Ian J. Miller, Assistant Professor of History (*on leave fall term*)
 Roy Mottahedeh, Gurney Professor of History
 Afsaneh Najmabadi, Professor of History and of Studies of Women, Gender, and Sexuality
 Susan E. O'Donovan, Associate Professor of African and African American Studies and of History
 Kelly A. O'Neill-Uzgiris, Assistant Professor of History
 E. Roger Owen, A. J. Meyer Professor of Middle East History (*on leave fall term*)
 Steven Ozment, McLean Professor of Ancient and Modern History (*on leave spring term*)
 Gabriel Paquette, Lecturer on History
 Serhii Plokhi, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
 Emma Rothschild, Jeremy and Jane Knowles Professor of History (*on leave spring term*)
 Daniel L. Smail, Professor of History (*Director of Undergraduate Studies*)
 David Smith, Lecturer on History
 Jeff Snyder-Reinke, Visiting Assistant Professor of History (*The College of Idaho*)
 Rachel St. John, Assistant Professor of History
 Judith Surkis, Associate Professor of History and of History and Literature
 Carol Symes, Visiting Associate Professor of History
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History
 Trygve Van Regenmortel Throntveit, Lecturer on History
 Laurel Thatcher Ulrich, 300th Anniversary University Professor
 Karine Walther, Lecturer on History
 Daniel Corbett Wewers, Lecturer on History and Literature
 John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics (*on leave 2008-09*)

Other Faculty Offering Instruction in the Department of History

Bernard Bailyn, Adams University Professor, Emeritus and James Duncan Phillips Professor of Early American History, Emeritus
 Thomas N. Bisson, Henry Charles Lea Professor of Medieval History, Emeritus
 Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations
 John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs, Emeritus
 Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy (*on leave spring term*)
 Albert M. Craig, Harvard-Yenching Professor of History, Emeritus
 Christine Desan, Professor of Law (*Law School*)
 Charles Donahue, Jr., Paul A. Freund Professor of Law (*Law School*)
 Carter J. Eckert, Yoon Se Young Professor of Korean History (*on leave spring term*)
 Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*on leave spring term*)



Walter A. Friedman, Lecturer on History
Ivan Gaskell, Senior Lecturer on History
Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations (*on leave spring term*)
David Neil Hempton, Alonzo L. McDonald Family Professor of Evangelical Theological Studies (*Divinity School*)
Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)
Akira Iriye, Charles Warren Professor of American History, Emeritus, Charles Warren Research Professor of American History
Edward L. Keenan, Andrew W. Mellon Professor of History
Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)
Sun Joo Kim, Associate Professor of Korean History
Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations, Emeritus
Elisabeth L. Laskin, Lecturer on History
Richard Pipes, Frank B. Baird, Jr., Professor of History, Emeritus
Leah Price, Professor of English, Harvard College Professor
Michael J. Puett, Professor of Chinese History (*on leave 2008-09*)
Julie A. Reuben, Professor of Education (*Education School*)
Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization
Michael A. Szonyi, John L. Loeb Associate Professor of the Humanities (*on leave spring term*)
Roman Szporluk, Mykhailo S. Hrushevs'kyi Research Professor of Ukrainian History
Stephan Thernstrom, Winthrop Research Professor of History

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

Daniel L. Smail and members of the department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Limited to juniors and seniors. Students wishing to enroll must petition the DUS for approval, stating the proposed project, and must have the consent of the proposed instructor. Ordinarily, students are required to have taken some course work as background for their project.

Tutorials in History

***History 97. Sophomore Tutorial**

Catalog Number: 4469

Laurel Thatcher Ulrich and Mark A. Kishlansky

Half course (spring term). Hours to be arranged.

Introduction to the ways in which historians recreate the past. Students will read prototypes of historical genres and write their own histories in alternating sessions. Discussion sections and small tutorials.



Note: Required of, and limited to, all History concentrators in the spring term of their sophomore year, as well as students pursuing a secondary field in History.

***History 99. Senior Thesis Tutorial**

Catalog Number: 5803

Adam G. Beaver and Daniel C. Wewers

Full course. Hours to be arranged.

Research and writing the senior thesis in History.

Note: Required of, and ordinarily limited to, seniors completing the History concentration's thesis program. Permission must be obtained from the Tutorial Office.

Reading Seminars

Required for History concentrators; open to non-concentrators as well. Graduate students may enroll with the instructor's permission.

Primarily for Undergraduates

***History 70a. Selves and Other Peoples in Classical Antiquity - (New Course)**

Catalog Number: 7086 Enrollment: Limited to 12.

Emma Dench

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Explores questions of what it meant to be Greek, Athenian, Roman, Jewish or Christian in classical antiquity, in what contexts identities were articulated, and how relationships between selves and others were imagined and played out. All readings available in English translation and include an introduction to some of the most heated modern debates about classical antiquity.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

***History 70b. Julian the Apostate - (New Course)**

Catalog Number: 9000 Enrollment: Limited to 12.

Christopher P. Jones

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The course studies the Roman Emperor Julian (ruled 361-363), who tried to turn the Roman Empire back to Paganism after it had become officially Christian, and who mounted an unsuccessful invasion of Mesopotamia. The course will study the life and policies of the emperor, and the reactions of his admirers and detractors to his policies. No knowledge of ancient languages necessary.

***History 70c. Topics in Natural History - (New Course)**

Catalog Number: 9332 Enrollment: Limited to 12.

Daniel L. Smail

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A reading seminar focused on literature relevant for a natural history of humankind from several million years ago to the present. Topics will include population diasporas; long-distance



exchange; coevolution; family, sex, and marriage; food; communication; goods and things; technology; human contact with ecosystems; status; demography and scale; and cognitive studies. The course will introduce students to the rapidly growing field of big history or deep history.

[*History 70d (formerly *History 1212). The Imperial System: Byzantine Society and Civilization, 8th c.-1204]

Catalog Number: 6078 Enrollment: Limited to 12.

Angeliki E. Laiou

Half course (spring term). Hours to be arranged.

Byzantine society from the time of the Iconoclastic controversy through centuries of successful imperial rule and until the conquest of Constantinople by the participants of the Fourth Crusade. Topics will include state ideology and diplomacy, social structure, the formation of the aristocracy, the economy, urban and rural life, the role of women, relations with Western Europe and the Muslim world, art and culture. Considerable emphasis will be given to primary sources. *Note:* Expected to be given in 2010–11. Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core requirement for Historical Study B.

***History 70e. The Problems and Possibilities of Medieval History - (New Course)**

Catalog Number: 9105 Enrollment: Limited to 12.

Carol Symes 6110

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A seminar devoted to the past and future of medieval history, focusing on influential or innovative works of scholarship and the sources that inspire them. Topics will include changes in the writing of history and the formulation of new historical methods; the meanings of holiness and heroism; sexuality, embodiment, and gender politics; forms of power, persecution, and governance; the interrelationships between literacy, orality, and authority; and the question of modernity's origins in the Middle Ages.

[*History 71a (formerly *History 1166). Family, Sex, and Marriage in Western Europe, East and West in the Medieval and Early Modern Period]

Catalog Number: 2725 Enrollment: Limited to 12.

Steven Ozment and Angeliki E. Laiou

Half course (fall term). Hours to be arranged.

Reading and discussion of major sources and studies illustrative of the development of family life in the Byzantine Empire and in medieval and early modern Western Europe, in a comparative perspective. Attention will be given to important historiographical controversies and to a variety of national traditions.

Note: Expected to be given in 2010–11.

***History 71b (formerly *History 1942). The European Renaissance and Reformation, 1350-1650**

Catalog Number: 6819 Enrollment: Limited to 12.

Steven Ozment

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to Renaissance and Reformation scholarship. Both classic and recent studies are



read and discussed, and new fields of research explored. Attention given to a variety of national traditions and to the major historiographical controversies.

Note: This course is open to first and second year graduate students.

***History 71c (formerly *History 1339). Anglo-American Constitutional History 1603-1787**

Catalog Number: 8660 Enrollment: Limited to 12.

David Smith 5904

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course surveys the historiography on English and American constitutional law from the reign of James I to the Framing. Major topics include sovereignty, republicanism, parliamentary authority, the development of legal protections, and the Atlantic constitution. Surveying a period punctuated by three Anglo-American revolutions, our focus will be on political instability and the search for constitutional balance.

***History 72a (formerly *History 1425). The Rise of the British Empire, 1757-1857**

Catalog Number: 8040 Enrollment: Limited to 12.

Maya Jasanoff

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the expansion of the British Empire from the Seven Years War to the Indian Mutiny-Rebellion. Large themes of resistance, cross-cultural relations, and government practice will be considered together with specific episodes such as the Hastings trial and challenges to British rule in South Asia, the American Revolution, the settlement of Australia, and the abolition of slavery. Readings divided between primary and secondary sources, with emphasis on imperial controversies past and present.

[*History 72b (formerly *History 1426). On Display: Commemoration, Collection and Public Spaces (c. 1600-2000)]

Catalog Number: 9970 Enrollment: Limited to 12.

Rachel L. Greenblatt

Half course (fall term). Hours to be arranged.

Traces the collection, commissioning, creation and display of artworks and objects from their development in religious and royal settings of the early modern period to their uses in nation-building and self-representation in the twentieth-century. Topics include monuments and urban spaces in Christian-Jewish polemics, collections as displays of political power, and museums as sites of national, cultural and ethnic identity. Geographical focus on Central Europe, but Western Europe and North America will also be considered.

Note: Expected to be given in 2009–10.

***History 72c (formerly *History 1460). French History through French Literature**

Catalog Number: 5038 Enrollment: Limited to 12.

Patrice Higonnet

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines 19th century French history through some of the masterpieces of the post-revolutionary French tradition. The emphasis will be on the definitions of individualism (male and female) in an age of revolution and high capitalism. Readings will include Constant, Staël,



Balzac, Stendhal, Sand, Tocqueville, Baudelaire, Flaubert, and Zola, as well as corresponding texts on the history of the period such as Marx and Walter Benjamin.

***History 72d (formerly *History 1463). Paris From the French Revolution Through the 19th Century**

Catalog Number: 6355 Enrollment: Limited to 12.

Patrice Higonnet

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the art, literature, and history of the “capital of the 19th century.” Subjects will include Balzac, Flaubert, and Baudelaire; Delacroix, Manet, and Degas; the Revolutions of 1789, 1848, and 1871.

***History 72e. The Life and Reign of Catherine the Great - (New Course)**

Catalog Number: 9664 Enrollment: Limited to 12.

Kelly A. O'Neill-Uzgiris

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the private and public worlds of one of Russia’s most famous rulers. Introduces students to the numerous images of Catherine and debates about her reign that have emerged in two hundred years of historical writing. Topics include gender and authority, the reception of the Enlightenment, architecture and urban planning, state ideology, literary activity, and religious policy.

***History 72f (formerly *History 1529). East European Identities: Russia and Ukraine**

Catalog Number: 6477 Enrollment: Limited to 12.

Serhii Plokhii

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Discusses the formation of modern national identities in the Slavic world, and traces the development of competing imperial and national projects from the Napoleonic Wars to the collapse of the Soviet Union and the rise of independent successor states. Examines the reflection of growing national awareness in Russian and Ukrainian political writings, historiography, literature, and culture, as well as the role of multiple “others” in the formation of modern East Slavic identities.

[*History 73a (formerly History 1474). Republics and Republicanism]

Catalog Number: 2494 Enrollment: Limited to 12.

James Hankins and Eric M. Nelson

Half course (fall term). Hours to be arranged.

Surveys the history of republican political theory from antiquity to the modern era. Themes to be discussed include: the relationship between republicanism and liberalism; the roots of republicanism in Greek and Roman political thought; Italian civic humanism; and the ideological origins of the English and American Revolutions. Readings will be drawn from Aristotle, Cicero, Machiavelli, More, Montesquieu, the Federalist Papers, Tocqueville, and others.

Note: Expected to be given in 2009–10.

***History 73b. (formerly History 90d). Introduction to Intellectual History - (New Course)**

Catalog Number: 1881 Enrollment: Limited to 12.



Ann M. Blair

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This reading seminar is designed as an introduction to major themes, periods and authors in intellectual history. Through discussion of an important work of intellectual history each week students will gain exposure to selected developments in intellectual history from antiquity to the 20th century, in the West and beyond, and to a range of fruitful approaches represented in the field. Students will be guided through the stages of writing a bibliographic essay on a topic of their choice. Designed for current and future history concentrators, but open to those with similar needs, with the consent of the instructor.

[*History 74a (formerly *History 1612). African Diaspora in the Americas]

Catalog Number: 9564 Enrollment: Limited to 12.

Vincent Brown

Half course (fall term). Hours to be arranged.

How can we best understand the diverse cultural practices of black people in the Americas, from where did those practices derive, and how are they related to each other? We explore a history of attempts to answer those questions, and examine ways that interpretations of the “African diaspora” have been conceived by scholars to better appreciate the complex histories of African-American cultural practices.

Note: Expected to be given in 2009–10.

[*History 74b (formerly *History 1622). Readings in the History of Slavery]

Catalog Number: 9361 Enrollment: Limited to 12.

Susan E. O’Donovan

Half course (fall term). Hours to be arranged.

Awareness has grown of slavery’s institutional role in national economic and political development. But the extent to which individual slaves were meaningful participants in this process of nation making remains an open question. By means of monographs, articles, and the occasional primary source, this course will investigate a still unfolding debate about slaves - as women, as men, as workers - and the extent to which they were agents of historical change.

Note: Expected to be given in 2009–10.

***History 74c. Bodily Functions: Histories of Bare Life and Bio-Power - (New Course)**

Catalog Number: 1090 Enrollment: Limited to 12.

Walter Johnson

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This course will expose students to challenging and influential scholarship on the history of human being. The reading combines an emphasis on social theory - Marxism, Cultural Anthropology, Post-modernism, Feminism, etc. - and on historical topics of central importance - the history of the senses, labor, torture, starvation, racism, colonialism, sexuality, etc. The class will meet once a week for two hours.

Prerequisite: Students will be required to write weekly papers of one to three pages summarizing their response to the assigned reading, and to write a final paper of approximately fifteen pages on a historiographical issue of their own choosing.



[*History 74d (formerly *History 1669). Gender in US History]

Catalog Number: 1673 Enrollment: Limited to 12.

Nancy F. Cott

Half course (spring term). Hours to be arranged.

Gender analysis will be the continuing theme in the readings in this course, which will cover important topics in U.S. history and examine examples of different historical methods, such as microhistory, biography, and demography. Topics will range from sexuality in the era of the American Revolution to plantation slavery, Progressive-era politics, consumption, social policy, and the social movements of the 1960s.

Note: Expected to be given in 2009–10.

***History 74e. North American Borderlands History - (New Course)**

Catalog Number: 7623 Enrollment: Limited to 12.

Rachel St. John

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This reading seminar will explore the major themes and historiographical approaches to the study of North American borderlands history. Drawing on scholarship from across the continent, we will study the interactions of peoples, nations, and empires on the boundaries of Mexico, the United States, and Canada. Course topics include: imperial claims and competition, Native peoples' responses to conquest, state and nation-building, settlement and economic integration, and conflict and cooperation between different racial and ethnic groups.

***History 74f. U.S. Environmental History - (New Course)**

Catalog Number: 9078 Enrollment: Limited to 12.

Rachel St. John

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This reading seminar will explore the major themes and debates in U.S. environmental history. The course will introduce students to the study of the historical relationships between people and the natural environment and chart how the field has evolved over the past forty years. Beginning with Europeans' arrival in North America and continuing to the present, we will study how people have used, transformed, and thought about nature and how their environments shaped their experience.

[*History 74g (formerly *History 1679). Making America Modern: The US during the 1920s]

Catalog Number: 9496 Enrollment: Limited to 12.

Lisa M. McGirr 2543 (on leave 2008-09)

Half course (fall term). Hours to be arranged.

Looking at the US in the period from the Great War to the Depression, closely explores the central developments of the decade—in society, culture, and politics—to determine its contribution to the making of “modern America.”

Note: Expected to be given in 2010–11.

***History 74h. Intellectual, Cultural, and Political Origins of U.S. Foreign Relations since 1898 - (New Course)**

Catalog Number: 0297 Enrollment: Limited to 12.



Trygve Van Regenmorter Throntveit 6066

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Introduces major themes in modern U.S. foreign relations. Students will learn to read historical literature critically and efficiently regardless of previous knowledge. Units pair contrasting studies of important moments in American external affairs. Readings/discussions will reveal the multiplicity of narratives constructed by historians, demonstrate the alchemic power exerted by questions on evidence, and give students confidence to ask unique questions of widely explored topics.

***History 74i. American Constitutional History, 1776-1865 - (New Course)**

Catalog Number: 4611 Enrollment: Limited to 12.

Daniel C. Wewers

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course surveys classic works and new perspectives on the constitutional history of the early national United States between the American Revolution and the American Civil War. Major topics include republicanism, popular sovereignty, federalism and states' rights, citizenship and individual rights, political parties, rebellion, and revolution. Please note that this course focuses on the historiography of early American political thought rather than constitutional jurisprudence.

***History 74j. Women's Work: Gender in the World of Atlantic Slavery - (New Course)**

Catalog Number: 3174 Enrollment: Limited to 12.

Susan E. O'Donovan 3962

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Starting in Africa and ending in the age of emancipation, this course will consider enslaved women as agents of historical change. Through close readings of both primary and secondary sources, special attention will be paid to the many conditions of bondage and how they informed women's experiences, their ideologies, their aspirations, and most of all, the ways in which they helped shape the always dynamic system that was Atlantic slavery.

***History 74k. American Immigration Law and Policy in Historical Perspective - (New Course)**

Catalog Number: 6755 Enrollment: Limited to 12.

S. Deborah Kang

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This seminar surveys the history of American immigration law and policy in order to undertake what Samuel Hays termed a "social analysis of politics." We will explore how social forces (demographic, economic, and ideological) played a pivotal role in immigration law and policy formation. At the same time, the course examines how law and policy mediated the immigrant experience itself -- that is, the social, political, and legal status of immigrants in America.

***History 75a. The Intellectual History of the Caribbean - (New Course)**

Catalog Number: 9765 Enrollment: Limited to 12.

Richard Drayton

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Caribbean people, from c. 1850 onwards, began to take stock of the region and its place in the



modern world. This course will examine this tradition, and its increasing self-consciousness, in both the 'high' world of novels, poetry, historical and political essays, anthropology and sociology, and in the popular intellectual life of music, religion, and mass politics.

***History 75b. Reform and its Discontents in the Southern Atlantic World - (New Course)**

Catalog Number: 5717 Enrollment: Limited to 12.

Gabriel Paquette

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course explores the ways that Portuguese and Spanish governments sought to overhaul their peninsular and overseas kingdoms during the 18th-century. It examines these reform efforts in comparative perspective, mainly with reference to France and the Italian states. The impact of these attempts, including responses to them, receive special attention. Themes include: inter-state rivalry's impact on domestic affairs; absolutism and its limits; political economy and its extra-European applications; and the link between reform and revolution.

[*History 76a (formerly *History 1858). Japanese Imperialism]

Catalog Number: 6688 Enrollment: Limited to 12.

Ian J. Miller

Half course (spring term). Hours to be arranged.

This course examines one of the most important, but least studied empires of the modern world. By the early 1940s the Japanese empire encompassed some 200 million subjects, stretching from the cold northern woods of Sakhalin Island to the tropical rain forests of the Indonesian Archipelago. Rather than treating Japanese imperialism as exceptional, we will use it to explore the nature of modern empire, asking how its study might reshape broader understandings of imperialism and its consequences.

Note: Expected to be given in 2010–11.

***History 76b. Religion and State in Qing China - (New Course)**

Catalog Number: 6066 Enrollment: Limited to 12.

Jeff Snyder-Reinke

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course will provide an introduction to the complex relationship between religion and the Chinese state during the Qing dynasty. The course will approach this relationship from three perspectives: by examining the state as a religious actor that carried out its own religious activities; as a hegemonic institution that sought to exert control over religious practices; and as a target for religiously-inspired rebellions, such as the Taiping and Boxer uprisings.

***History 77a (formerly *History 1902). Alcohol in Sub-Saharan Africa, 1850 to the Present**

Catalog Number: 2765 Enrollment: Limited to 12.

Emmanuel Akyeampong

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines the uses and meanings of alcohol in precolonial and rural Africa, its place in European-African trading contacts, and its role in the process of colonization. The course ends with a review of alcohol in nationalist politics, the place of the alcohol industry in the economies of independent African states and addiction in contemporary Africa.



***History 78a (formerly *History 1874). The Middle East During the First Wave of Modern Globalization, 1870-1925**

Catalog Number: 2291 Enrollment: Limited to 12.

E. Roger Owen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the place of the Middle East during the first wave of modern globalization including the role of formal and informal empire, government and greater economic integration. Explores different ways of writing such a history using case studies designed to illustrate different aspects of the various processes involved.

[*History 78b (formerly *History 1877b). History of the Near East, 1055-1517]

Catalog Number: 3026 Enrollment: Limited to 12.

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 2009–10.

Prerequisite: History 1877 helpful, but not required.

[*History 79a (formerly *History 1986). Topics in International History]

Catalog Number: 0735 Enrollment: Limited to 24.

Erez Manela and Ernest R. May

Half course (fall term). Hours to be arranged.

Introduces several major themes in modern international history.

Note: Expected to be given in 2009–10.

***History 79b. America and the Muslim World - (New Course)**

Catalog Number: 7876 Enrollment: Limited to 12.

Karine Walther

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course will examine the influence of cultural and religious beliefs on interactions with Islam and Muslims both at home and abroad. Topics covered include: Muslim slaves in the Americas, the Barbary Wars, American missionaries in the Middle East, the Nation of Islam, US-Middle East relations, the American Muslim community after 9/11 and the most recent wars in Afghanistan and Iraq.

***History 79c. Seminar in International Capitalism: Entrepreneurs, Companies, and Nations - (New Course)**

Catalog Number: 1257 Enrollment: Limited to 12.

Walter A. Friedman 6673

Half course (spring term). W., 1–3.

This course explores the history of business and capitalism in four countries: Britain, the US, Germany, and Japan. Themes include entrepreneurship, management, regulation, salesmanship, the evolution of big business, and differences in national economic systems.



***History 79d. An Introduction to Global History - (New Course)**

Catalog Number: 8463 Enrollment: Limited to 12.

Joyce E. Chaplin 1058

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This seminar offers introductory readings on the topic of global history and gives students the opportunity for further, individualized reading. Discussion topics include: deep history and human genetics, ancient and modern forms of imperialism, commercial networks and consumerism, global biography, long-distance travel and communication (including the invention of the passport and the telegraph), definitions of international and transnational communities, modernity and mass culture, globalization, decolonization, the space age, and cyberworlds.

Research Seminars

Required for History concentrators; open to non-concentrators as well. Concentrators planning to write a Senior Thesis must complete their Research Seminar requirement by the conclusion of the Junior year. Graduate students may enroll with the instructor's permission.

Primarily for Undergraduates

***History 80a (formerly *History 1051). Roman Imperialism**

Catalog Number: 0336 Enrollment: Limited to 15.

Emma Dench

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Whether regarded as a model for European empires or as a precursor of western colonialism and globalization, Roman imperial expansion has captured both popular and scholarly imaginations. We proceed thematically, analyzing a variety of textual and material evidence for the changing nature of Roman imperialism between the mid-Republican and early imperial periods, and its impact on the politics, culture, religion, and society of Roman and local communities alike.

[*History 80b (formerly *History 1122). Persons and Things in Medieval Europe]

Catalog Number: 9657 Enrollment: Limited to 15.

Daniel L. Smail

Half course (spring term). Hours to be arranged.

Will explore certain styles of thinking and forms of behavior that governed everyday life in medieval Europe. Major topics will include forms of identity, including kinship and gender, manners and clothing fashions, forms of exchange, and patterns of mobility.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core requirement for Historical Study B.

***History 80c (formerly *History 1158). The Mediterranean in the Late Middle Ages, 1204–1500**

Catalog Number: 2711 Enrollment: Limited to 15.

Jeffrey Robert Webb 6668

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7



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: This course, when taken for a letter grade, meets the Core requirement for Historical Study B.

[*History 81a (formerly *History 1309). History in Early Modern Europe]

Catalog Number: 6583 Enrollment: Limited to 15.

Ann M. Blair

Half course (fall term). Hours to be arranged.

This course will examine the cultural significance of history as a discipline and as practice in Europe from the Renaissance to the Enlightenment. We will consider the nature and purposes of different kinds of historical writing and the ways in which histories were 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.

Note: Expected to be given in 2009–10.

***History 81b. Book History - (New Course)**

Catalog Number: 0836 Enrollment: Limited to 15.

Ann M. Blair

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This research seminar offers an introduction to methods of research in the history of the book and of reading. Assigned readings will include methodological articles and case studies in the field, focused especially on the handpress period (15th-18th centuries). Students will be guided through the stages of writing a major research paper and may write their paper on a time-place context of their choosing, with the consent of the instructor. Designed for concentrators in History and History and Literature; open to others with similar needs.

***History 81c (formerly *History 1338). The English Revolution**

Catalog Number: 0296 Enrollment: Limited to 15.

Mark A. Kishlansky

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course will fulfill the concentration requirement for a research course requiring the completion of an historical essay based on primary materials. It will explore the causes, course, and consequences of the English Revolution by focusing on selected topics covering the range of issues that dominated the period from the convening of the Lord Parliament to the execution of Charles I. Emphasis will be on research techniques and the use of seventeenth century sources.

***History 81d. The Near East in the Christian West, 300-1700 - (New Course)**

Catalog Number: 8951 Enrollment: Limited to 15.

Adam G. Beaver

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17



In this course we will explore the long history of European interactions with the Near East, from the earliest days of Christian pilgrimage in the fourth century to the peak of Renaissance antiquarianism in the seventeenth. Particular attention will be paid to Western observers' ongoing attempts to reconcile eyewitness testimony of the land and its peoples with knowledge derived from 'authoritative' sources, such as the Bible and early Christian authors.

[*History 81e (formerly *History 1443). Peter Paul Rubens (1577-1640), Scholar, Diplomat, Artist]

Catalog Number: 4061 Enrollment: Limited to 15.

Ivan Gaskell

Half course (fall term). Hours to be arranged.

An investigation of how 21st-century responses to artworks by Rubens may relate to the development of historical understanding. Examines the tensions between the specificity of Rubens's artworks and other actions, and broader patterns and conventions of behavior in art, politics, and the western European social fabric more generally in the first half of the 17th century. Will examine artworks associated with Rubens, including paintings, drawings, prints, and illustrated books in Harvard and Boston collections.

Note: Expected to be given in 2009–10.

***History 82b (formerly *History 1446). Fin-de-Siècle Vienna**

Catalog Number: 1471 Enrollment: Limited to 15.

Alison F. Frank

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the history of the political, social, and cultural center of the largest continental European Empire in modern history, and one of the birthplaces of European modernism. From the 1880s through WWI and into the early years of the Republic of Austria, the course examines not only Vienna's intellectual vitality, but also the social and ideological divisions underlying the human catastrophes of World War and genocide in the twentieth century.

***History 82c (formerly *History 1466). Vichy France in Comparative Perspective**

Catalog Number: 8154 Enrollment: Limited to 15.

Patrice Higonnet

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

First, we cover the background of the Vichy years and the legacy of 1789 and the First World War; military affairs; Vichy's social policy; Vichy, the Germans, and the Jews; Vichy and Free France; and the legacy of the Vichy years. In the second half of the course, we move on to compare occupied France to other occupied countries of Europe.

Note: Students interested in this course should contact Professor Higonnet at higonnet@fas.harvard.edu. Films will be shown weekly.

***History 82d (formerly *History 1483). French Colonial Encounters: 1870's to Present**

Catalog Number: 0461 Enrollment: Limited to 15.

Mary D. Lewis

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores and compares three colonies in the French Empire: French West Africa, Algeria, and Indochina, considering how colonial rule was extended, how individuals responded, and what



reverberations there were between colony and metropole.

Prerequisite: One language relevant to the regions studied (e.g. French, Arabic, Vietnamese, etc.) preferred but not required. An introduction to French history recommended.

***History 82e (formerly *History 1490). Max Weber in His Time**

Catalog Number: 9550 Enrollment: Limited to 15.

David Blackburn

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

We still read and reinterpret Max Weber's work on bureaucracy, charisma, and the links between religion and capitalism. This course places Weber (1864-1920) in his time, as a participant in contemporary German debates. Using his own scholarly and political writings, plus other biographical and historical materials, we examine Weber's strong views on subjects that include German political leadership, nationalism, imperialism, the rise of socialism, university reform, Polish immigrant labor, Catholic "backwardness", and World War I.

***History 82f. The Origins of the Cold War: The Yalta Conference (1945) - (New Course)**

Catalog Number: 1959 Enrollment: Limited to 15.

Serhii Plokhii

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The Yalta Conference is analyzed in the context of the long-term geostrategic goals of the United States, the United Kingdom, and the USSR. Special attention is paid to psychological and cultural aspects of the negotiating process.

***History 82g. The Black Sea World - (New Course)**

Catalog Number: 4664 Enrollment: Limited to 15.

Kelly A. O'Neill-Uzgiris

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Located at the crossroads of crucial trade routes and imperial frontiers, the Black Sea has been the site of exploration, exchange, and often bloody competition for over a millennium. We will explore the social, cultural and economic relationships that linked inhabitants, as well as the cleavages that divided them over the course of the nineteenth century. Topics include commerce and trade, scientific exploration, military conflict, urbanization and the emergence of national narratives.

***History 82h (formerly *History 1532). Everyday Life in the Soviet Union - (New Course)**

Catalog Number: 2636 Enrollment: Limited to 15.

Terry D. Martin

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Analysis of everyday life in the USSR up to the death of Stalin through the use of first-person documentation: diaries, personal correspondence, autobiographies, and oral history. Topics include family, friendship, consumption, corruption, entertainment, housing, material goods, the emotions, the self, among others.

***History 82j. Civilisation and Barbarism in the Kingdom of Ireland 1537-1800 - (New Course)**

Catalog Number: 9135 Enrollment: Limited to 15.



Gerard Livesey (University of Sussex)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This seminar will investigate the political literature created by thinkers and political actors involved in the Anglo-Irish relationship between 1537 and 1800. The extension of the claim to sovereignty by the English crown over Ireland set the scene for a long and torturous debate on the conditions of civility and the nature of barbarism, and occasioned cycles of violence interspersed with cultural creativity. Work studied will include, but not be limited to, Edmund Spenser, William Petty, the Duchess of Ranelagh, Jonathan Swift, Geoffrey Keating, George Berkeley, Charles O'Connor, Edmund Burke.

***History 83a (formerly *History 1411). The History of Economic Thought Since 1750**

Catalog Number: 5927 Enrollment: Limited to 15.

Emma Rothschild

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the history of various kinds of economic thought, looking at 18th century laissez-faire political economy, and at late 19th century economists and social reformers. Will emphasize writings about long-distance or global connections, in different media from scientific theories to economic periodicals. Students will prepare individual research projects.

[*History 83b (formerly *History 1472). Historical Ontology]

Catalog Number: 6425 Enrollment: Limited to 15.

Peter E. Gordon

Half course (fall term). Hours to be arranged.

This advanced seminar addresses the now-prevalent idea that reality is an historical construction, i.e., that what counts as objectivity or truth may depend upon conceptual schemes, discourses, or practices of world-making, such that the conditions for something being "an object" or being "true", in the natural or human sciences and in social experience, are subject to variation and structural transformation over time. Topics and authors include: Foucault, Heidegger, Latour, Sokal, Hacking, Poovey, Shapin, and Cervantes.

Note: Expected to be given in 2009–10.

Prerequisite: One of the following: Modern European Intellectual History, Social Studies 10, French Social Thought, American Social Thought, or any philosophy course in metaphysics or epistemology.

***History 83c. Care of the Soul - (New Course)**

Catalog Number: 8082 Enrollment: Limited to 15.

James Hankins

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The teachings of major philosophers in the Western tradition about how living a philosophical life can cure diseases of the soul and bring tranquility, harmony with nature, and a sense of moral worth. Readings in Plato, Lucretius, Marcus Aurelius, Sextus Empiricus, various Pythagoreans, Boethius, Augustine, Marsilio Ficino, Ignatius of Loyola, Justus Lipsius, Montaigne, Pierre Gassendi, Robert Burton.

[*History 83d (formerly *History 1479). Intellectuals and Auschwitz]

Catalog Number: 5579 Enrollment: Limited to 15.



Peter E. Gordon

Half course (spring term). Hours to be arranged.

This seminar for advanced undergraduates investigates a variety of philosophical debates and intellectual controversies concerning National Socialism and the Holocaust; focusing on disputes as to the significance of the Holocaust for social theory, the philosophy of history, theories of empathy and historical as well as aesthetic representation. Authors include: Adorno, Agamben, Arendt, Blanchot, Celan, Derrida, Jaspers, Jonas, and Levi.

Note: Expected to be given in 2009–10.

Prerequisite: One course in Intellectual History, Social Studies 10, Political Theory or Philosophy.

[*History 84a (formerly *History 1605). Early American Slave Revolts]

Catalog Number: 4218 Enrollment: Limited to 15.

Vincent Brown

Half course (spring term). Hours to be arranged.

Will analyze political dynamics of resistance and social control within the slave societies of the early Americas from the 17th to the early 19th centuries. Topics for consideration include maroon resistance, struggles over time, territory, status, and cultural practice within slavery, the organizing strategies of the enslaved, and competing visions of the future.

Note: Expected to be given in 2009–10.

***History 84b. The American Revolution - (New Course)**

Catalog Number: 7369 Enrollment: Limited to 15.

Jill M. Lepore

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This hands-on research seminar will take you out of the classroom and into the archives. An intensive study of the political, cultural, literary, and social history of the American Revolution, with an emphasis on Boston from the Writs of Assistance, in 1761 to the British evacuation of the city, in 1776. The class includes field trips to Boston and Cambridge historic site, archives, museums, and graveyards.

***History 84c (formerly *History 1610). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America**

Catalog Number: 2479 Enrollment: Limited to 15.

Laurel Thatcher Ulrich and Ivan Gaskell

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Using case studies drawn from the Longfellow National Historic site and Harvard collections, students will explore a range of methods used in interpreting art and artifacts from colonial North America and the early US. Emphasis on the interplay between particular objects and larger historical themes, such as colonialism, patriotism, or the beginnings of mechanization. Students will be introduced to a range of scholarly tools, including laboratory analysis of materials, quantitative studies of household inventories, and iconography.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.



[*History 84d (formerly *History 1615). The Nine Lives of Benjamin Franklin]

Catalog Number: 6296 Enrollment: Limited to 15.

Joyce E. Chaplin

Half course (fall term). Hours to be arranged.

Examines some of the multiple lives that Franklin led during the eighteenth century. Students examine in depth one of these lives or identify and explore yet another, to better comprehend Franklin and the worlds in which he lived: colonial America, British empire, independent US, books, science, popular culture, politics, war, personal improvement, and many others.

Note: Expected to be given in 2009–10.

***History 84e. Reconstructing America - (New Course)**

Catalog Number: 1168 Enrollment: Limited to 15.

Susan E. O'Donovan

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course will explore America's efforts to come to terms with freedom and free labor in the years following the Confederate surrender. Topics to be considered will include the changing civil and economic place of women and former slaves, workers' struggles for justice, and the rise of new and exclusionary forms of racism. This course will offer training in the use of primary source materials, historical method, the problems of bibliography, and historical writing.

***History 84f. Science and Religion in America - (New Course)**

Catalog Number: 9283 Enrollment: Limited to 15.

Andrew Jewett

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

From the founding generation's engagement with Enlightenment rationalism to the contemporary controversies over intelligent design and stem-cell research, American history has witnessed constant skirmishes along the troubled border between religion and science. Students in this seminar will become familiar with the broad contours of these cultural, intellectual, and political engagements, while carrying out their own research in the field.

[*History 84g (formerly *History 1656). Harvard and Slavery]

Catalog Number: 1778 Enrollment: Limited to 15.

Sven Beckert

Half course (fall term). Hours to be arranged.

Will explore the links between Harvard and slavery during the first 229 years of the university's history. Students will write original research papers on various aspects of the history of Harvard University and slavery, including how resources extracted from slave labor benefited the university, the ways Harvard administrators and faculty supported or struggled against the institution of slavery, and what kinds of links the university built to slaveholders.

Note: Expected to be given in 2009–10.

[*History 84h (formerly *History 1667). The Northern Side of the Civil Rights Movement]

Catalog Number: 8594 Enrollment: Limited to 15.

Evelyn Brooks Higginbotham

Half course (fall term). Hours to be arranged.

Examines the movement for racial equality outside the South from the 1940s and into the early



1970s, and will examine integrationist efforts, as well as competing ideologies of black power through weekly urban case studies.

Note: Expected to be given in 2009–10.

[*History 84i (formerly *History 1969). Secularization in Europe and the United States c, 1780-2000]

Catalog Number: 6171 Enrollment: Limited to 15.

David Hempton (Divinity School)

Half course (spring term). Hours to be arranged.

Will examine the respective religious characteristics of two large and diverse areas from the age of revolution in the late eighteenth century to the present with special reference to secularization. Will address the complex issues at stake in the debates between those who make claims either for European or American exceptionalism.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2356.

***History 84j. Pragmatism and Reform in American Social Thought - (New Course)**

Catalog Number: 4330 Enrollment: Limited to 15.

Trygve Van Regenmorter Throntveit 6066

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Introduces students to the practice of intellectual history, through primary-source based investigations of the influence of pragmatism on progressive-era reformers. Students will read Peirce, James, and Dewey and explore their influence on reformers such as Addams, Du Bois, Veblen, Brandeis, Croly, Lippmann, etc. We will explore the implications of pragmatic progressivism for domestic and international politics from 1890-1920. Requirements include: one research presentation, final research paper.

***History 84k. American Immigration History - (New Course)**

Catalog Number: 7673 Enrollment: Limited to 15.

S. Deborah Kang

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This class will allow students to pursue research projects in the field of American immigration history. Given the breadth of the field, students are encouraged to approach the topic from a variety of perspectives. Students may choose to write about the migratory process itself, immigrant communities, identity formation, ethnic and race relations, immigration law and policy, or the transnational dimensions of migration, among others.

[*History 85a (formerly *History 1746). Contestation, Rebellion, and Revolution in Brazil and Spanish South America (1770-1808)]

Catalog Number: 8945 Enrollment: Limited to 15.

Kenneth R. Maxwell

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A comparative examination of Brazil and the Andes in the two decades before independence. This course will explore the diverse forms of contestation in South America between 1770 and 1808. For Brazil this will involve the several pre-independence conspiracies, and for Spanish America the Rebellions in the Andes. The seminar will focus on the intellectual articulation of



these movements and well as their social and economic roots.

Note: Expected to be given in 2009–10.

[*History 85b (formerly *History 1750). Brazil Between Revolutions, 1776-1789]

Catalog Number: 5510 Enrollment: Limited to 15.

Kenneth R. Maxwell

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Will focus on the period between the American declaration of independence to the French revolution, and the impact of events in North America on proto-nationalist movements in Brazil, particularly on the Minas Conspiracy of 1788-1789. Will assume prior knowledge of Latin American, European and US history of this period, as well as language skills in Portuguese, Spanish and French.

Note: Expected to be given in 2009–10.

***History 85c. Latin American Independence - (New Course)**

Catalog Number: 5258 Enrollment: Limited to 12.

Gabriel Paquette

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course explores the processes which led to the demise of the Iberian empires and the creation of independent states in the Americas. It examines the factors which contributed to this change, both in Old World and the New. Students engage fully in the debates with which historians are grappling. These include: identity-formation and the rise of nationalism; "enlightened absolutism" and its discontents; the impact of the North American and French revolutions in Ibero-America; war and the origins of the nation-state; and the persistence of "colonial" institutions after political independence. Equal attention given to Brazil and Spanish America.

***History 86a (formerly *History 1828). Christianity and Chinese Society**

Catalog Number: 2587 Enrollment: Limited to 15.

Henrietta Harrison

Half course (spring term). M., 3–5; W., at 9. EXAM GROUP: 8, 9

Examines the history of Catholic and Protestant Christianity in China from the 16th century to the present. The focus is on non-elite Chinese believers and the ways in which Christianity affected their lives.

***History 86b (formerly *History 1843). Imperial Japan and the US**

Catalog Number: 3802 Enrollment: Limited to 15.

Andrew Gordon

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The United States and Japan emerged simultaneously as imperial powers at the turn of the 20th century. This course examines the cultural and economic, as well as political relations to these two empires in the early decades of their interaction. It draws on the rich body of English language archival materials at Harvard and in the Boston area for student research projects.

[*History 86d (formerly *History 1895). The Indian Ocean in Comparative Perspective]

Catalog Number: 8123 Enrollment: Limited to 15.



Sugata Bose

Half course (spring term). Hours to be arranged.

Explores the history of the Indian Ocean inter-regional arena in the comparative context of histories of the Atlantic, Mediterranean and the Pacific worlds from the 1490s to the 1990s. The changing meanings of sovereignty, religiously informed universalisms and the links forged by intermediary capital and migrant labor in the age of global empire.

Note: Expected to be given in 2010–11.

***History 86e (formerly *History 1897). Nation, Reason and Religion in South Asia**

Catalog Number: 1447 Enrollment: Limited to 15.

Sugata Bose

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the connections between nation, reason and religion in South Asian political thought and practice. Precolonial patriotisms, rational and religious reforms, colonial modernity and anti-colonial nationalisms, visions of nationhood and forms of state power, and post-colonial nationalisms for and against the state.

***History 87a (formerly *History 1912). Health, Disease, and Ecology in African History**

Catalog Number: 5905 Enrollment: Limited to 15.

Emmanuel K. Akyeampong

Half course (spring 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.

Prerequisite: Senior level undergraduates.

[*History 88a (formerly *History 1887). Modern Iran: A Historical Overview]

Catalog Number: 0706 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (spring term). Hours to be arranged.

Starting with the 1979 revolution, this course journeys back in time to offer an overview of modern Iranian history.

Note: Expected to be given in 2010–11.

***History 89a (formerly *History 1916). British Colonial Violence in the 20th Century**

Catalog Number: 4626 Enrollment: Limited to 15.

Caroline M. Elkins

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Will explore Britain's deployment of various forms of violence in its 20th-century empire, and how this violence was understood, justified, and represented in the empire and at home. Imperial objectives and policies will be weighed alongside local factors such as race, settler presence, indigenous responses to colonial rule, and economic and strategic interests to assess the universality and particularity of British colonial violence.



[*History 89b (formerly *History 1957). International Society]

Catalog Number: 3056 Enrollment: Limited to 15.

Erez Manela

Half course (spring term). Hours to be arranged.

Reading and research on the development of ideas and institutions of international society in the 20th century, covering the Wilsonian moment, the League of Nations, internationalist ideologies and movements, the United Nations system, human rights, decolonization and development, and non-governmental organizations.

Note: Expected to be given in 2010–11.

[*History 89c (formerly *History 1958). Islam and Ethnicity]

Catalog Number: 4023 Enrollment: Limited to 15.

Terry D. Martin

Half course (spring term). Hours to be arranged.

Examines the relationship between Islamic religious identity and ethnic identity in the Russian, Ottoman, and Indian empires and their successor states. Inquires into what extent Islam can substitute for, reinforce, or undermine ethnic identity based on theoretical and historical works.

Note: Expected to be given in 2009–10.

[*History 89d (formerly *History 1963). Cold War Crises]

Catalog Number: 6643 Enrollment: Limited to 15.

Ernest R. May

Half course (spring term). Hours to be arranged.

We focus on three crises of the Cold War: Berlin, 1948–49; Suez, 1956; and Berlin/Caribbean missiles, 1961–62. Discussion compares not only the crises but types of historical sources and problems involved in analyzing collective memory.

Note: Expected to be given in 2009–10.

[*History 89e (formerly *History 1964). International History: War, Peace, and International Organizations]

Catalog Number: 7774 Enrollment: Limited to 20.

Niall Ferguson and Charles S. Maier

Half course (fall term). Hours to be arranged.

A comparative approach to the history of international society, including sources of conflict and efforts at peacemaking, imperial and hegemonic regimes, the protection of minorities and human rights, based on the reading and discussion of classic and modern works.

Note: Expected to be given in 2009–10. History 1964 and 1965 are designed particularly for advanced undergraduates in the international history track of the concentration and graduate students preparing a general examination field in the history of international relations.

[*History 89f \(formerly *History 1965\). International History: States, Markets, and the Global Economy](#)

Catalog Number: 7148 Enrollment: Limited to 20.

Niall Ferguson and Charles S. Maier

Half course (spring term). W., 4–6. EXAM GROUP: 9

International economic history and political economy, including strategies of economic



development, international trade, migration, finance and monetary relations, based on both theoretical works and specific case studies, and focusing on the period from around 1700 to the present.

Note: History 1964 and 1965 are designed particularly for advanced undergraduates in the international history track of the concentration and graduate students preparing a general examination field in the history of international relations.

Ancient and Medieval History

For Undergraduates and Graduates

See also Classical Archaeology 180 and 181.

[History 1000 (formerly History 10a). Western Societies, Politics, and Cultures: From Antiquity to 1650]

Catalog Number: 0213

Half course (fall term). Hours to be arranged.

A survey of Mediterranean and West European societies from Greco-Roman antiquity to the Scientific Revolution.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 1010 (formerly History 1085). The Roman Empire, Augustus to Constantine

Catalog Number: 3109

Christopher P. Jones

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

The Roman Empire from its foundation by Augustus to the death of Constantine; its social, political, and military development; its institutions (emperor, senate, army); Roman imperial art and coinage; Greek and Roman literature of the imperial period; religious developments, including Judaism and Christianity under Roman rule; women and minorities. Sections will focus on issues of particular interest and on the study of primary documents. No knowledge of ancient languages required.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1020 (formerly History 1091). Jewish History in the Second and Post-Temple Period]

Catalog Number: 6035

Shaye J.D. Cohen

Half course (fall term). Hours to be arranged.

A survey of Jewish history in antiquity from the Persian period (5th century BCE) to the Byzantine period (5th century CE). Topics include: political accommodation and resistance, Hellenism, the Hasmoneans and Herod the Great, the effects of Roman rule, Pharisees, Qumran, Christians, unity and diversity, the destruction of the temple and its aftermath, the emergence of rabbinic Judaism, homeland and diaspora.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1462.



[History 1040 (formerly History 1111). The Fall of the Roman Empire]

Catalog Number: 6019

Michael McCormick

Half course (fall term). Hours to be arranged.

Uses the latest results of archaeology, written sources, and the natural sciences to study the changes, violent or subtle, that transformed the Roman world to produce medieval civilization between ca. 300 and 700. Topics include Constantine's conversion, economic recovery and collapse, the barbarians, women and power, pandemic disease; emphasizes reading of ancient sources in translation.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B. Expected to be given in 2009-10.

[History 1050 (formerly History 1101). Medieval Europe]

Catalog Number: 4278

Michael McCormick

Half course (fall term). Hours to be arranged.

This course will examine the emergence of medieval civilization from the ruins of the ancient world, and the evolution of that civilization into modern Europe. Themes include: the fall of Rome, the spread of Christianity, the rise and fall of Byzantium, the challenge of Islam, the Vikings, the Crusades, commerce and agriculture, the Feudal Revolution, the Twelfth Century Renaissance, spirituality and persecution, the origins of law and government, the Black Death, and the Italian Renaissance.

Note: Expected to be given in 2010–11. Given in alternate years. Students prepared to pursue special topics can be accommodated. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1055 (formerly History 1121). Vengeance, Hatred, and Law in Premodern Europe]

Catalog Number: 7743

Daniel L. Smail

Half course (fall term). Hours to be arranged.

Will explore the great transformation in European legal habits that took place between 500 and 1600, as family-based forms of law, vengeance, and regulation gave way to royal, municipal, and ecclesiastical justice. Topics include the blood feud, the judicial ordeal, and judicial torture. The course is designed to raise ethical and substantive issues that are relevant to an understanding of the function of law and justice in the modern world.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1060. Europe and Its Borders, 950-1550 - \(New Course\)](#)

Catalog Number: 0914

Daniel L. Smail

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Surveys an early phase of European expansion and colonial activity in areas including the Iberian Peninsula, Sicily, the eastern Mediterranean, eastern Europe, the Baltic lands, Wales, and Ireland. A major goal of the course is to explore how a European identity emerged in the process



of contact and conflict in the new borderlands. Readings will include primary and secondary sources.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World and the Core area requirement for Historical Study B.

History 1071. Medieval England and Its Influences - (New Course)

Catalog Number: 1117

Carol Symes

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

England's multicultural history from the end of Roman rule in Britain to the early sixteenth century, and the later uses of that history. Themes will include the complex interactions between England and its neighbors, the changing conceptualization of kingship and national identity, the development of law and political institutions, the roles of women, the status of commoners and designated Others (Jews, heretics, the poor), intellectual trends, social and religious movements, popular entertainment, and daily life.

History 1080 (formerly History 1150). The Jews in Muslim and Christian Spain

Catalog Number: 5331

Bernard Septimus

Half course (spring term). M., W., at 12. EXAM GROUP: 5

A study of the political, social, and cultural history of the Hispano-Jewish community from the Muslim conquest of Spain in 711 to the expulsion of the Jews from Christian Spain in 1492. Emphasis on literary and intellectual developments and on the complex relationship of the Jews to Iberian Christendom and Islam. Combines material from former courses History 1151 and 1152.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

Cross-listed Courses

***History and Literature 90g. Charlemagne in Memory and Myth - (New Course)**

Jewish Studies 154. Land, Center, and Diaspora in Ancient Judaism - (New Course)

Primarily for Graduates

***History 2050 (formerly *History 2101). Medieval Societies and Cultures: Proseminar**

Catalog Number: 6693

Daniel L. Smail

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. Readings include both canonical works as well as recent studies. Though designed for specialists in medieval European history, the course welcomes all non-specialists interested in exploring large issues of comparative history and chronological depth.

Note: May not ordinarily be credited as one of the research seminars required in the first-year program.

Prerequisite: Reading knowledge of French and/or German.



[History 2055 (formerly History 2122). Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean]

Catalog Number: 5011

Michael McCormick

Half course (spring term). Hours to be arranged.

Communications, travel, and commerce in the early medieval Mediterranean. Meetings will include close philological and historical analysis of relevant Latin sources, and research papers by participants.

Note: Expected to be given in 2009–10.

Prerequisite: Latin, with either German or French, is required. Normally History 2101 and or MS 101.

History 2060 (formerly History 2125). Problems in High and Late Medieval History: Seminar

Catalog Number: 1874

Daniel L. Smail

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course is designed to introduce graduate students to the sources and methodologies necessary to conduct research on medieval Europe.

[*History 2070 (formerly *History 2120). Problems in Byzantine History: Proseminar]

Catalog Number: 9720

Angeliki E. Laiou

Half course (fall term). Hours to be arranged.

Graduate colloquium for students preparing for general examinations in Byzantine history. Focus on major issues and historiographical debates, 4th–12th century.

Note: Expected to be given in 2009–10. May not be credited as a research seminar.

Prerequisite: Reading knowledge of French or German.

History 2071r (formerly History 2271r). Topics in Byzantine History: Seminar

Catalog Number: 3868

Lizabeth Cohen

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This year's topic will be "Byzantium and the Mediterranean World".

Prerequisite: Reading knowledge of Greek, Ancient, Medieval and/or Latin, French and/or German.

History 2080 (formerly History 2126). Medieval Law

Catalog Number: 3140

Charles Donahue, Jr. (Law School)

Half course (spring term). Tu., 5–7 p.m. EXAM GROUP: 18

Readings focused alternately on the English legal tradition and on the Roman-canonical tradition. Short papers analyzing texts will be required but not a research paper. Topic for 2008–09: the English legal tradition.

Prerequisite: Some Latin required.



Renaissance and Early Modern History

For Undergraduates and Graduates

See also Committee on Medieval Studies. Students are also directed to Divinity School courses.

[History 1110 (formerly History 2310). Problems in Late Medieval and Early Modern Europe 1250-1750: Conference Course]

Catalog Number: 9057

Steven Ozment

Half course (spring term). Hours to be arranged.

Directed reading and writing in European politics, society, culture, and religion. For field exam candidates, senior thesis writers, and graduate students writing dissertations.

Note: Expected to be given in 2009–10. Open to advanced undergraduates with permission of instructor.

History 1114 (formerly History 1514). Early Modern Eastern Europe (1450-1795)

Catalog Number: 9973

Serhii Plokhii

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Explores the history of the "other" Europe from the collapse of Mongol rule and the rise of an independent Muscovite state in the second half of the fifteenth century to the partitions of Poland in the late eighteenth century. Examines the early modern history of the territories that became Russia, Ukraine, Belarus, Lithuania, and Poland—a period that saw the formation and collapse of multiethnic states, the creation of modern empires, and fierce religious competition.

History 1118. Encounters: Early Modern British Exploration and Settlement in the Atlantic World - (New Course)

Catalog Number: 7586

David Smith

Half course (fall term). M., W., at 12. EXAM GROUP: 5

This course investigates voyages to the Americas and the establishment of colonies by early modern English explorers and settlers up to the mid-seventeenth century. As they yearned for commercial, religious and social utopias in their "New World," the English encountered peoples with frequently conflicting visions of the world. Topics include cross-cultural encounter, travel narratives, slavery, the technology of early modern exploration, colonialism, and piracy.

History 1119. The Cultural History of Food in Medieval and Renaissance Italy: Conference Course - (New Course)

Catalog Number: 4763 Enrollment: Limited to 15.

Allen J. Grieco (Villa I Tatti)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Although food has long been considered beyond analysis and beneath history, in the past two decades the history of food, dietary theory and eating habits has become one of the most innovative areas of social and cultural history. The course provides an introduction to the cultural history of food and wine in Italy, focusing on the period 1300-1600.



[History 1127 (formerly History 1427). Women's Voices in Medieval and Early Modern Europe]

Catalog Number: 7597

Rachel L. Greenblatt

Half course (spring term). Hours to be arranged.

Seeks out the voices of Jewish, Protestant and Catholic women, with an emphasis on women's writings, and examines methods for uncovering information about women's lives when their own voices are absent from the historical record. Considers ideal images and the daily realities of both men's and women's gendered roles in such areas as life-cycle rituals, livelihood and spirituality.

Note: Expected to be given in 2009–10.

[History 1151 (formerly 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 and Robert Darnton among the secondary sources.

Note: Expected to be given in 2009–10. All assignments in English. An optional extra French-language reading section will be arranged in case of interest.

Cross-listed Courses

[Celtic 107. Early Irish History]

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[Historical Study B-19. The Renaissance in Florence](#)

[Medieval Studies 117. Constitutional and Legal History of Medieval England](#)

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

Primarily for Graduates

[History 2111. Classical and Neo-Latin Literature in the Italian Renaissance: Seminar - \(New Course\)](#)

Catalog Number: 0123 Enrollment: Limited to 10.

James Hankins

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course studies the reception and interpretation of classical literary and philosophical texts between 1350 and 1600. Topics include the revivals of the ancient philosophical schools, the reception of ancient literary texts, and the revival and development of the classical genres in



Renaissance Latin literature.

Prerequisite: Reading knowledge of Latin and Italian.

[*History 2112 (formerly *History 2473). Latin Texts of the Italian Renaissance: Proseminar]

Catalog Number: 0140

James Hankins

Half course (fall term). Hours to be arranged.

Introduction to methods and techniques of textual scholarship with reference to Renaissance Latin texts. Topics include finding and describing manuscript and printed sources; paleography and codicology; text editing; rhetorical analysis. Course includes a six-week paleography workshop held in Houghton Library.

Note: Expected to be given in 2009–10. Enrollment by permission of the instructor. May not ordinarily be credited as one of the research seminars required in the first-year program.

Prerequisite: A reading knowledge of Latin, French, Italian, and German.

History 2123. Early Modern Intellectual and Cultural History: Proseminar - (New Course)

Catalog Number: 3160

Ann M. Blair

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course is designed primarily for graduate students preparing a graduate field exam in early modern European intellectual and cultural history, but it is open to others with similar needs and preparation, with the consent of the instructor.

[*History 2132 (formerly *History 2332). Early Modern England: Seminar]

Catalog Number: 7105 Enrollment: Limited to 10.

Mark A. Kishlansky

Half course (fall term). Hours to be arranged.

Students will conduct primary research on topics of significance in the history of England, ca. 1563–1714.

Note: Expected to be given in 2009–10. Permission of instructor required.

History 2133 (formerly History 2902). Studies in Tudor and Stuart History: Proseminar

Catalog Number: 1428

Mark A. Kishlansky

Half course (fall term). Hours to be arranged.

A graduate colloquium designed for students preparing preliminary examinations in early modern history or interested in English historiography of the early modern period.

Historiographical papers and reviews.

Note: Open to undergraduates with permission of instructor.

Modern European History

For Undergraduates and Graduates



[History 1200 (formerly History 10b). Western Economies, Societies, and Politics: From 1648 to the Present]

Catalog Number: 0262

Half course (spring term). Hours to be arranged.

Second half of a survey of European history, from the aftermath of the Thirty Years War to the aftermath of the Cold War. Also treats some parts of Asian, American and African history as other continents were affected by European expansion. Topics include agricultural, commercial and industrial development; demographic change and social stratification; mass migration, trade and globalization; religion and political ideology; monarchies, republics and empires; revolutions, wars and international orders.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1205 (formerly History 1484). Europe Since World War II]

Catalog Number: 4588

Mary D. Lewis

Half course (fall term). Hours to be arranged.

Considers the political, economic, social and cultural development of Europe since the end of the Second World War. Examines post-war reconstruction; decolonization and the Cold War; the development of social democracy, new social movements, and the welfare state; the birth and expansion of the European Union; the emergence and importance of “immigrant politics” and new extreme-right movements; the events of 1989 and their significance.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1213 (formerly History 1413). The Evangelical Tradition, c. 1700-2000]

Catalog Number: 5888

David Hempton (Divinity School)

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Investigates the Evangelical tradition from its origins in the religious revivals of the eighteenth century to its contemporary role in American culture and society. Will explore the complexities of gender, ethnicity, social class, and political culture. Will make use of primary and secondary materials to shed light on Evangelical theology, spirituality, and cultural expression throughout the North Atlantic region and beyond.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2358.

[History 1214 \(formerly History 1414\). Encountering of the Other: The Expansion of the Christian West, 1650-1830](#)

Catalog Number: 2392

David Hempton (Divinity School)

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Investigates themes in the history of Christianity from the mid-seventeenth to the mid-nineteenth centuries. Will focus on European Christendom and its expansion to other parts of the world in the early modern period. What was at stake in the multifaceted cultural encounters between European Christianity and other religious traditions as Christianity expanded into new social



spaces, and what was the relationship between Protestant and Catholic missionary movements and the expansion of the European seaborne empires?

Note: Offered jointly with the Divinity School as 2355.

History 1221 (formerly History 1421). Ireland 1689-1922

Catalog Number: 1974

Gerard James Livesey (University of Sussex)

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

A general survey of the history of Modern Ireland looking at the transformation of the island across three centuries. Will examine the creation of cultural and religious communities in the eighteenth century, the problem of political violence, the creativity of cultural history and the distinctive dynamics of Irish society and conclude with an approach to the Irish revolution.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B

History 1224 (formerly History 1424). Britain Since 1760: Island, Europe, Empire

Catalog Number: 2630

Maya Jasanoff

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Survey history of Great Britain from the reign of George III to the administration of Tony Blair. These centuries witnessed Britain's spectacular emergence as the world's leading industrial and imperial power; and its dramatic decline in influence after World War II. How did Britons experience domestic and global change? Themes include political reform, social class, national identity, popular culture, rise and fall of empire, relations with Europe. Extensive use of written and visual primary sources.

[History 1258 (formerly History 1458). "French Modern", 1848-Present]

Catalog Number: 5919

Judith Surkis

Half course (fall term). Hours to be arranged.

Examines impact of and responses to political and cultural modernity in France from the mid-19th century forward. Themes and topics include: citizenship and its exclusions; social revolt and reform; urbanization and mass culture; population anxiety, anti-Semitism, and racism; imperial expansion and rule; war and decolonization; postwar development and May '68;

"multiculturalism" and contemporary challenges to the republican model.

Note: Expected to be given in 2009–10.

[History 1260 (formerly History 1449). Nationalism and Socialism in 20th-Century Central Europe]

Catalog Number: 5125

Alison F. Frank

Half course (spring term). Hours to be arranged.

Introduction to theoretical literature concerning nationalism and socialism and to the history of the states of Central and Eastern Europe formed in the aftermath of WWI. Wedged between Germany and the USSR, the fledgling states of Central Europe struggled to balance nationalism and socialism as competing ways of interpreting the world and as programs for changing it. Their



successes and failures will be placed in the context of the legacy of the Habsburg Empire.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1266 (formerly History 1456). Central Europe, 1789-1918: Empires, Nations, States

Catalog Number: 3736

Alison F. Frank

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Examines the development of nationalism and socialism as ideologies intended to shape the identities, public and private behavior, and political activities of subjects of the continental European empires in the long nineteenth century. Primary focus will be on the Habsburg Empire, with attention paid to other German-speaking lands and to the western territories of the Russian Empire (especially Poland).

History 1270. Frontiers of Europe: Ukraine since 1500 - (New Course)

Catalog Number: 1910

Serhii Plokhii

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

The history of Ukrainian territory and its people within a broad context of political, social and cultural changes in Eastern Europe in the course of the half of a millennium. Special emphasis on the role of Ukraine as a cultural frontier of Europe, positioned on the border between settled areas and Eurasian steppes, Christianity and Islam, Orthodoxy and Catholicism, as well as a battleground of major imperial and national projects of modern era.

History 1280 (formerly 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 the Russian Revolution to Gorbachev's failed reforms. Focus on the period 1928-53 when industrialization, nationalization and political terror created a distinct Soviet society and culture. Readings include novels, short stories, memoirs, Soviet propaganda, high policy deliberations, letters, journalism, songs, jokes, etc.

History 1285. Russia and the Great Eurasian Steppe - (New Course)

Catalog Number: 8443

Kelly A. O'Neill-Uzgiris

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the history of Russian interactions with the peoples and states of the Eurasian steppe from the rise of Chinggis Khan to the fall of the Romanovs. Topics include the legacy of Mongol conquest, the importance of trade, and the Russian-Ottoman struggle for dominance in the region. How did the experience of Russia's Muslim inhabitants change over time? Did Russia civilize the steppe? Emphasis on incorporating non-European voices into the narrative of Russian history.

History 1290. The History of the Russian Empire - (New Course)

Catalog Number: 9566



Kelly A. O'Neill-Uzgiris

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

The history of Russia from the conquest of Kazan and Astrakhan in the sixteenth century to 1917. Topics include the struggle with "westernization", the nature of autocratic authority, the role of the Orthodox Church, the integration of non-Russian peoples, industrialization and modernization, and the inevitability of the revolutions of 1905 and 1917.

Cross-listed Courses

[Celtic 107. Early Irish History]

***History and Literature 90f. The British Atlantic World**

***History and Literature 90p. Perverse Idols: The Cultures of fin-de-siècle Europe - (New Course)**

Jewish Studies 135. Jewish-Arab Encounters: the Classical Age

[Slavic 196. Literature and Nationalism in Central Europe: Conference Course]

Societies of the World 11. Germany in the World, 1600-2000 - (New Course)

Primarily for Graduates

History 2225. Britain and its Empire: Historiography: Proseminar - (New Course)

Catalog Number: 4488

Maya Jasanoff

Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

Intensive introduction to the historiography of modern Britain and the British Empire. Designed for graduate students intending to pursue general exams in this field, or preparing for research on British and imperial topics.

History 2242r (formerly History 2342r). The French Revolution: Seminar

Catalog Number: 1914

Patrice Higonnet

Half course (fall term). F., 4–6. EXAM GROUP: 9

The history of Paris during the French Revolution.

***History 2260 (formerly *History 2441). Central Europe: Seminar**

Catalog Number: 6464 Enrollment: Limited to 12.

Alison F. Frank

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Major themes include nationalism, communism, the 'Polish question,' the 'Jewish question,' the political and economic viability of the Habsburg Empire, cultural exchange and diplomatic relations between Austria, Germany and the Russian Empire/Soviet Union.

Prerequisite: Reading Knowledge of either German, Polish, Czech, or another Central European language.

History 2265 (formerly History 2475). Problems and Sources in Modern German History: Seminar

Catalog Number: 8355 Enrollment: Limited to 12.



David Blackburn

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A research seminar that examines different ways of approaching German history in the nineteenth and twentieth centuries. We consider a variety of interpretations and methodologies. Particular attention is given to diverse source materials, including literary and visual sources.
Note: Reading knowledge of German not required.

History 2271 (formerly History 2532). The Soviet Union: Proseminar

Catalog Number: 2405

Terry D. Martin

Half course (fall term). Th., 2–5. EXAM GROUP: 16, 17, 18

Introduction to major debates in the historiography of the Soviet Union and late imperial Russia.

History 2272 (formerly History 2531). The Soviet Union: Seminar

Catalog Number: 7969

Terry D. Martin

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to archival and primary sources, as well as major historiographical debates. Primary focus on major research paper.

Prerequisite: Reading knowledge of Russian.

Cross-listed Courses

Historical Study A-27. Reason and Faith in the West

[Historical Study B-35. The French Revolution: Causes, Processes, and Consequences]

Historical Study B-54. World War and Global Transformation in the 20th Century: World War II

[History of Science 287. Heidegger and Technology: Seminar]

Intellectual History

For Undergraduates and Graduates

[History 1300 (formerly History 20a). Western Intellectual History: Greco-Roman Antiquity]

Catalog Number: 6308

James Hankins

Half course (fall term). Hours to be arranged.

A survey of major themes in the intellectual history of the Greek and Roman World, with special attention to metaphysics, psychology, epistemology, ethics, politics, and the philosophic life. Readings in the Presocratics, Plato, Aristotle, Lucretius, Epictetus, Cicero, Seneca, Marcus Aurelius, Plotinus, Augustine, and Boethius.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B or Moral Reasoning, but not both.



[History 1301 (formerly History 20b). Western Intellectual History: The Middle Ages to the Seventeenth Century]

Catalog Number: 7573

James Hankins

Half course (spring term). Hours to be arranged.

A survey of major themes in medieval and early modern intellectual history. Readings in Anselm, Abelard, Thomas Aquinas, William of Ockham, Petrarch, Machiavelli, Thomas More, Martin Luther, Montaigne, Francis Bacon, Descartes, Hobbes.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1304 (formerly History 1470). Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism]

Catalog Number: 7131

Peter E. Gordon

Half course (fall term). Hours to be arranged.

An introduction to major landmarks in Continental philosophy and social theory in the modern period, beginning with Nietzsche. Focuses on the various challenges to traditional enlightenment notions of freedom and subjectivity in psychoanalysis, Critical Theory, existentialism, French structuralism, and post-structuralism.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1305. The European Enlightenment: Conference Course - (New Course)

Catalog Number: 3702 Enrollment: Limited to 15.

James Hankins

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Reading and discussion of major texts of the European Enlightenment, from the late 17th century to the late 18th century, with particular attention to the intellectual community that produced the Encyclopédie and to the theory of religion. Readings in Spinoza, Locke, Bayle, Montesquieu, La Mettrie, Voltaire, D'Alembert, Diderot, Rousseau, Hume and Kant.

[History 1321 (formerly History 1471). The Thought of Martin Heidegger]

Catalog Number: 5691

Peter E. Gordon

Half course (fall term). Hours to be arranged.

A lecture course on the development of the ideas of the German philosopher Martin Heidegger. Mostly a sustained, critical reading of his monumental 1927 text, *Being and Time*. We will also discuss some of his later contributions to theories of technology, language, and art; as well as the controversy surrounding his engagement with Nazism.

Note: Expected to be given in 2009–10.

Prerequisite: History 1470; Social Studies 10; or a course in introductory philosophy or continental political theory.

History 1322. Heidegger and Arendt - (New Course)

Catalog Number: 1906



Peter E. Gordon and Dana R. Villa (University of Notre Dame)

Half course (spring term). Tu., Th., at 12, and a weekly section on Th., at 1. EXAM GROUP: 14

This course investigates the complex philosophical affiliation between Martin Heidegger and Hannah Arendt. Will understand how various themes of Heideggerian philosophy were borrowed, displaced, revised, and challenged in Arendt's political theory. In the first half of the course we will read texts by Heidegger, esp. selections from *Being and Time*, and *An Introduction to Metaphysics*. In the second half of the course we will read Arendt's major theoretical works, including *Origins of Totalitarianism*, *The Human Condition*, and *On Revolution*.

[History 1330 (formerly History 1661). Social Thought in Modern America]

Catalog Number: 8440

James T. Kloppenberg

Half course (fall term). Hours to be arranged.

An inquiry into American ideas since 1890, examining developments in political and social theory, philosophy, and literature in the context of socioeconomic change. Topics include the breakdown of Victorian idealism and *laissez-faire*; the emergence of social science and progressivism; conflicts over gender, race, and ethnicity; interwar cultural ferment and political reform; post-World War II theories of consensus and 1960s radicalism; and the consequences for democracy of our contemporary culture of irony.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1340 (formerly History 1454). French Social Thought from Rousseau to Foucault and Beyond

Catalog Number: 4665

Judith Surkis

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Examines trends in French social thought as dialogues between thinkers and between thinkers and their historical contexts. Covers liberalism, conservatism, republicanism, socialism, existentialism, structuralism, Marxism, feminism, and anti-colonialism. Readings from Rousseau, de Maistre, Saint-Simon, Tocqueville, Durkheim, Mauss, Bataille, Levi-Strauss, Sartre, de Beauvoir, Fanon, Althusser, Foucault, Bourdieu, Rosanvallon.

History 1345. The Human Sciences in the Modern West - (New Course)

Catalog Number: 1324

Andrew Jewett

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

This course offers an historical overview of the human sciences, a group of disciplines that includes not only sociology, anthropology, psychology, political science, and economics, but also "borderland" fields such as psychiatry, law, history, linguistics, and philosophy. Ranging from the early modern period to the postmodern era, the course examines pivotal changes in how Westerners have used scientific methods to represent and analyze "the human," while situating these changes in their cultural and political contexts.



History 1350. Theories of Secularization: Conference Course - (New Course)

Catalog Number: 5865 Enrollment: Limited to 15.

Peter E. Gordon

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This advanced undergraduate course surveys various debates concerning the historical process and philosophical-political significance of secularization, especially the secularization of political norms. The course concentrates on the history of European thought since 1650, with special reference to the encounter between Western monotheistic religion and rationalist modes of criticism that first emerged with the scientific revolution. Readings from: Veyne, Febvre, Marx, Weber, Schmitt, Löwith, Strauss, Blumenberg, and Taylor.

[History 1390 (formerly History 1984). Understanding Democracy Through History]

Catalog Number: 1517

Alexander Keyssar (Kennedy School)

Half course (spring term). Hours to be arranged.

Examines the evolution of democracies in different nations over extended periods of time, and will focus on one fundamental issue: Under what circumstances or conditions have democracies (or political rights) expanded, and under what circumstances of conditions have they contracted? Readings will include historical studies as well as comparative theoretical works.

Note: Expected to be given in 2009–10. Offered jointly with the Kennedy School as API-703.

This course may be lotteried.

Cross-listed Courses

***History and Literature 90j. The Paradoxes of Progress - (New Course)**

Primarily for Graduates

History 2300. Methods in Intellectual History: Proseminar - (New Course)

Catalog Number: 7779 Enrollment: Limited to 15.

David R. Armitage and Peter K. Bol

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Introduction to advanced research in intellectual history with special reference to philosophy and political thought. Readings will include primary and secondary materials drawn from East-Asian and Euro-American traditions.

[*History 2321. Methods in Book History: Seminar]

Catalog Number: 5169 Enrollment: Limited to 15.

Ann M. Blair and Leah Price

Half course (fall term). Hours to be arranged.

Will introduce students to methods and debates in the history of the book and of reading.

Primarily for graduates; open to advanced undergraduates by consent of the instructors.

Note: Expected to be given in 2009–10.

[History 2330 (formerly History 2410). Ideas in Europe in the 18th Century: Seminar]

Catalog Number: 1077



Emma Rothschild

Half course (fall term). Hours to be arranged.

A graduate seminar which examines a number of 18th century writings (by Hume, Smith, Wollstonecraft, and Condorcet) and ideas (enlightenment, religion, empire), and explores different ways of writing about the history of ideas.

Note: Expected to be given in 2009–10.

[*History 2340 (formerly *History 2662 & *History 2662hf). Readings in American Thought]

Catalog Number: 8845 Enrollment: Limited to 20.

James T. Kloppenberg

Half course (spring term). Hours to be arranged.

An examination of classic and contemporary histories of American thought.

Note: Expected to be given in 2009–10.

[History 2345 (formerly History 2664). Race and African-American Intellectual History: Seminar]

Catalog Number: 6804

Evelyn Brooks Higginbotham

Half course (spring term). Hours to be arranged.

A research seminar in African-American intellectual history.

Note: Expected to be given in 2010–11.

Cross-listed Courses

[East Asian Studies 210. Asia in the Making of the Modern World \(Graduate Seminar in General Education\) - \(New Course\)](#)

United States History

For Undergraduates and Graduates

[History 1428 (formerly History 1625). The American Civil War: Waging a War in History and Memory]

Catalog Number: 7989

Susan E. O'Donovan

Half course (spring term). Hours to be arranged.

As much public as professional property, the Civil War has had many owners, it has assumed many shapes, and it has been put to many uses. Starting in the archives and ending in Hollywood, this course considers a range of those Civil Wars, their authors, and their meanings. Period accounts, fiction, film, and historians' interpretations will provide the basis for understanding the war's continued grip on the American imagination and on national political life.

Note: Expected to be given in 2009–10.



[History 1430 (formerly History 1657). Native America: The East]

Catalog Number: 1723

Malinda Maynor Lowery

Half course (fall term). Hours to be arranged.

This survey course uses culture to analyze Native American history. Students will gain a deeper understanding of the oral and spiritual histories of Native people east of the Mississippi prior to the arrival of Columbus, why and how Native nations adapted to the European presence, and how colonial and US Indian policy developed through the late twentieth century.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1431 (formerly History 1658). Native America: The West]

Catalog Number: 5296

Malinda Maynor Lowery

Half course (spring term). Hours to be arranged.

This survey course uses culture to analyze Native American history. Students will gain a deeper understanding of the oral and spiritual histories of Native people west of the Mississippi prior to the arrival of Columbus, why and how Native nations adapted to the European presence, and how colonial and US Indian policy developed through the late twentieth century.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1435. American Legal History - \(New Course\)](#)

Catalog Number: 3386

S. Deborah Kang

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A survey of American legal history from the colonial period to the present, this class defines the law not only as constitutional doctrine or judge-made law but also as a tool in the shaping of American political institutions, public policy, and society. Major topics include the Constitution, law and economic development, crime and criminal justice, slavery and Reconstruction, civil liberties and civil rights, and the rise of the regulatory state.

[History 1436. Immigrants in America, 1492 to the Present - \(New Course\)](#)

Catalog Number: 9460

S. Deborah Kang

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

This class will unravel what it means to be an immigrant in America. Students will discover the complexities of the immigrant experience from the migratory process itself to the creation of immigrant communities, the conflicts between immigrants and "Americans," and the formation of ethnic identities. Free and un-free, sojourners and settlers, aliens and citizens, immigrant histories reveal the multiple ways of being and becoming an "American."

[History 1440 (formerly History 1639). The Expanding United States, 1803–1917]

Catalog Number: 9411

Rachel St. John

Half course (spring term). Hours to be arranged.



Will explore the history of 19th century American expansion, from 1803 when the US was an adolescent republic bounded by the Mississippi River and inhabited by a relatively homogeneous population, to 1917 when an expansive federal government presided over a continent-spanning nation, overseas territorial possessions, an industrial, capitalist economy, and a diverse population struggling over political inclusion, economic equity, and national identity.

Note: Expected to be given in 2009–10.

[History 1441 (formerly History 1641). History of the US West]

Catalog Number: 3887

Rachel St. John

Half course (fall term). Hours to be arranged.

This lecture course will introduce students to the history of the place that we now know as the US West from before European expansion to the present. Lectures and readings will examine how both particular national boundaries and distinctive regional patterns have defined the West. Drawing on histories, memoirs, journals, films, and images, students will explore a variety of perspectives on the political, economic, social, cultural, and environmental transformations of the American West.

Note: Expected to be given in 2009–10.

History 1452. American Politics and Society, Reconstruction to the Present - (New Course)

Catalog Number: 0502

Trygve Van Regenmorter Throntveit

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

Surveys major themes in U.S. public life from Reconstruction to today. Examines contests over the meaning of freedom and citizenship; transformations of government; competing conceptions of national identity; America's rise to global power; shifting patterns of work, thought, faith, political participation, and social life; and persistent patterns of economic and social inequality. Lectures provide a basic chronicle of the period; section meetings develop analytical skills through small group discussions of primary sources and secondary works.

[History 1455 (formerly History 1650a). The United States in the World, to 1920]

Catalog Number: 3435

Erez Manela

Half course (fall term). Hours to be arranged.

American foreign relations from the colonial period through World War I. Topics include the transition from colonial to imperial status; the changing role of the US in international relations; interaction between domestic politics and foreign policy; political, economic, and cultural relationships between Americans and other peoples.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 1461. War and the World of Ideas in America, Civil War to Iraq - (New Course)

Catalog Number: 8539

Trygve Van Regenmorter Throntveit

Half course (fall term). M., W., at 11, and a section to be arranged. EXAM GROUP: 4



Explores how modern U.S. wars have both shaped and been shaped by American intellectual life. Examines the ideological/cultural origins of America's modern wars; enthusiasm and dissent during wartimes; persistent currents of belligerence and pacifism; the influence of intellectual elites on security policy/diplomacy; and war's impact on scholarship, arts, and literature, including how such legacies affect the occurrence and course of subsequent wars. Lectures provide background for analyses of primary sources; few secondary works assigned.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1465 (formerly History 1650b). The United States in the World, since 1920]

Catalog Number: 4745

Erez Manela

Half course (spring term). Hours to be arranged.

American foreign relations since World War I. Topics include the world role of the supposedly isolated US in the interwar years, World War II, postwar "hegemony," the Cold War, and political, economic, and cultural interaction between Americans and other peoples.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1494 (formerly History 1676). Social Movements in the United States from Populism to the New Right]

Catalog Number: 4073

Lisa M. McGirr

Half course (fall term). Hours to be arranged.

Examines social movements in America from the late 19th century until today in an historical perspective. Topics include populism, temperance, suffrage and the labor movement, as well as civil rights activism and the student movement. Attention will also be given to right-wing movements in the 20th century such as the Ku Klux Klan and the New Right. Course will address the origins of these various social movements, their strategies and tactics, and successes and failures.

Note: Expected to be given in 2009–10.

Cross-listed Courses

[**African and African American Studies 118. African American History from the Slave Trade to 1900**](#)

[**African and African American Studies 132. Slavery in the Atlantic World - \(New Course\)**](#)

[**Ethical Reasoning 12. Political Justice and Political Trials - \(New Course\)**](#)

[**\[Historical Study A-86. Men and Women in Public and Private: the US in the 20th Century\]**](#)

[**Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America**](#)

[**\[Historical Study B-49 \(formerly History 1651\). History of American Capitalism\]**](#)

[**Historical Study B-61. The Warren Court and the Pursuit of Justice, 1953–1969**](#)

[***History and Literature 90h. Narrating 9/11 - \(New Course\)**](#)

[***History and Literature 90i. American Road Narratives - \(New Course\)**](#)

[***History and Literature 90k. Washington, D.C.: The Divided Capital - \(New Course\)**](#)



[***History and Literature 90m. Visual Culture of US Social Movements - \(New Course\)**](#)

[***History and Literature 90n. Historical Representation in 19th-c. America - \(New Course\)**](#)

[***History and Literature 90o. Native American Literature: Narrations of Nationhood - \(New Course\)**](#)

Primarily for Graduates

[History 2400 (formerly History 2600). Readings in Colonial and Revolutionary America: Proseminar]

Catalog Number: 9176

Half course (fall term). Hours to be arranged.

An introduction to scholarly literature on colonial and revolutionary America. Required for History Department graduate students specializing in US history. Open to those from other fields or programs.

Note: Expected to be given in 2009–10.

[History 2401 (formerly History 2606 & 2606hf). Early American Social History: Seminar]

Catalog Number: 6049

Laurel Thatcher Ulrich

Half course (fall term). Hours to be arranged.

Research culminating in the production of a scholarly essay. Some prior knowledge of the period assumed.

Note: Expected to be given in 2009–10.

[**History 2402. American Food \(Graduate Seminar in General Education\) - \(New Course\)**](#)

Catalog Number: 1656 Enrollment: Limited to 15.

Joyce E. Chaplin

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

From the starving time at Jamestown to present-day concerns over obesity, food has been central to the American experience. But what is American about American food? Students will address that question through independent research. The seminar will design and develop a General Education course on these themes for undergraduates.

[History 2412 (formerly History 2665). Topics in the History of Atlantic Slavery: Seminar]

Catalog Number: 4231

Vincent Brown

Half course (fall term). Hours to be arranged.

Will introduce graduate students to major synthetic works on the history of Atlantic slavery, surveying the period between the mid-15th century and the late 19th, and provide them an opportunity to develop original research projects.

Note: Expected to be given in 2010–11.

[**History 2442 \(formerly History 2602\). Readings in the History of the US in the 19th Century: Proseminar**](#)

Catalog Number: 2383 Enrollment: Limited to 12.



Rachel St. John

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The second in the sequence of three proseminars required of all graduate students in American history and open to graduate students in other history fields and other departments as space permits.

[History 2443 (formerly History 2632). Slavery, Capitalism, and Imperialism in the 19th century United States: Seminar]

Catalog Number: 8558

Walter Johnson

Half course (fall term). Hours to be arranged.

Will illuminate the imperial dimensions of the history of the nineteenth-century US.

Note: Expected to be given in 2009–10.

***History 2460hf. Race Making and Law Making in the Long Civil Rights Movement: Seminar - (New Course)**

Catalog Number: 4221

Evelyn Brooks Higginbotham and Kenneth Mack (Law School)

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

A year-long seminar using multiple disciplinary perspectives to rethink the conventional time period and actors of the movement for racial equality in America, focusing on discontinuities, disruptions, and ironies in the struggle for equal citizenship.

Note: Offered jointly with the Law School as LAW-97415A.

***History 2461 (formerly *History 2601). The US in the 20th Century: Seminar**

Catalog Number: 1270 Enrollment: Limited to 12.

Lizabeth Cohen

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Research on topics in 20th-century US history.

Prerequisite: Permission of instructor.

History 2462 (formerly History 2607). Readings in the US in the 20th Century: Proseminar

Catalog Number: 2931

Lizabeth Cohen

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The third proseminar required of all graduate students in American history. Readings in classics and recent monographs, with attention to politics, social life, and culture.

[History 2463 (formerly History 2661). Graduate Readings in 20th-Century African-American History: Seminar]

Catalog Number: 9004

Evelyn Brooks Higginbotham

Half course (spring term). Hours to be arranged.

Covers key literature on themes and developments shaping the national experience of African Americans from Redemption to the emerging multi-racial Republic.

Note: Expected to be given in 2009–10.



***History 2470hf (formerly *History 2640hf). Workshop in 20th-Century US History**

Catalog Number: 0565

Lizabeth Cohen

Half course (throughout the year). Hours to be arranged.

Prerequisite: For dissertation writers only. Permission of the instructor.

History 2480hf (formerly History 2650hf). The Political Economy of Modern Capitalism: Seminar

Catalog Number: 3719

Walter Johnson and Christine Desan (Law School)

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

A year-long research and reading course on the history of capitalism during the past 300 years.

Note: Offered jointly with the Law School as 98060A-1FS. For 2008-2009 Professor Walter Johnson will co-teach this course with Professor Christine Desan while Professor Sven Becket is on leave.

[History 2490hf (formerly History 2652hf). Politics and Social Movements in North America: Seminar]

Catalog Number: 2204

Lisa M. McGirr

Half course (throughout the year). Hours to be arranged.

An interdisciplinary research workshop attached to the Charles Warren Center for Studies in American History, focused on examining the intersection between politics and social movements. We will explore how, when, and why various groups of Americans have collectively organized to press their claims and influence the political process, and, in turn, what influence social mobilization had on the state. The group will include resident fellows, graduate students and invited speakers. Student research will culminate in the production of a scholarly essay based on primary sources.

Note: Expected to be given in 2009–10.

Cross-listed Courses

[African and African American Studies 218. Topics in African American History]

***American Civilization 200 (formerly *American Civilization 370). Major Works in the History of American Civilization**

[*American Civilization 201 (formerly *American Civilization 371). Themes in the History of American Civilization]

Economics 2339. The Economic History Workshop

Latin American History

For Undergraduates and Graduates

[History 1500 (formerly History 1757). History of Latin America to 1825]

Catalog Number: 6818

Kenneth R. Maxwell



Half course (spring term). Hours to be arranged.

Although the course will be organized chronologically, it will focus on distinctive historical turning points and seek to explain how and why distinctive societies developed in the region over the colonial centuries. The lectures will also delineate the ways colonial Latin America was connected into Atlantic and global developments between 1492 and 1825. It will not seek to provide a comprehensive survey of all aspects of colonial Latin American history in a traditional sense.

Note: Expected to be given in 2009–10.

[History 1501 (formerly History 1749). Turning Points in Brazilian History: From Cabral to Lula]

Catalog Number: 5991

Kenneth R. Maxwell

Half course (spring term). M., W., at 11. EXAM GROUP: 4

The course will begin with a discussion of Brazil led by the union organizer Lula. From an examination of the present it will look back to critical moments in the formation of Brazilian society. Each episode will be examined both in terms of its Atlantic or global dimension as well as within its domestic national context.

Note: Expected to be given in 2009–10.

History 1509. Global Iberian Empires, c. 1400-1800 - (New Course)

Catalog Number: 1098

Gabriel Paquette

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

This course surveys the origins and development of the Portuguese and Spanish empires in the early modern period, emphasizing the circuits that facilitated exchanges of people, ideas, commodities, and technologies. Major topics include: Mediterranean precedents of Iberian colonialism; early maritime exploration; institutions of colonial governance; the interaction between the European and indigenous peoples; the religious dimension of overseas expansion; the slave trade and slavery; the impact of empire on European geopolitics; and 18th-century government reform.

History 1510. Latin America in the 19th Century - (New Course)

Catalog Number: 2553

Gabriel Paquette

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This course surveys the history of Latin America, from the dissolution of the Iberian empires until the fall of the monarchy in Brazil. Major themes include: imperial reform and resistance to it; the wars of independence and the consolidation of post-colonial states; the development of national economies; the history of political ideas; and Latin America's external relations (cultural, intellectual, political, and economic).

Cross-listed Courses

Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations



Primarily for Graduates

Asian, African, and Middle Eastern History

For Undergraduates and Graduates

History 1618. Telling Lives in Asia: Conference Course - (New Course)

Catalog Number: 9771 Enrollment: Limited to 15.

Hue-Tam Ho Tai

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Using sources ranging from diaries and memoirs to biographies, autobiographies, records of interrogations, resumes and self-criticisms, this course will explore the ways in which individuals make sense of their lives and the lives of others in Asia. Through the examination of the themes and tropes deployed in models such as the lives of Confucian notables and Buddhist monks, Catholic conversion narratives, Communist memoirs and self-criticisms, we will explore the relationship between self, nation, and narration.

History 1619 (formerly 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 1620 (formerly History 1821). Modern Vietnam

Catalog Number: 8192

Hue-Tam Ho Tai

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

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 1623 (formerly History 1851). 20th-Century Japan]

Catalog Number: 8696

Andrew Gordon

Half course (spring term). Hours to be arranged.

Japan's emergence as a world power and the Japanese experience of modernity. Politics, social movements, and culture of the imperial era; the experience of World War II and postwar occupation; the "economic miracle" and postwar political economy; social and cultural transformation. From the 1980s boom to the 1990s bust; the early end to the Japanese century?



Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1626. Modern Chinese History, 1644-1949 - (New Course)

Catalog Number: 5734

Jeff Snyder-Reinke (The College of Idaho)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

This course is an introduction to the history of modern China from the founding of the Qing dynasty in 1644 until the founding of the People's Republic of China in 1949. The objective of the course is to provide students with an understanding of key issues, events, and figures during this period, as well as an understanding of the contemporary historiography on modern China.

No prior knowledge of Chinese history is assumed or required.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 1700 (formerly History 1904). The History of Sub-Saharan Africa to 1860

Catalog Number: 5936

Emmanuel K. Akyeampong and Caroline M. Elkins

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Survey of sub-Saharan Africa to 1860, with attention to the range of methodologies used in writing early African history, including oral history, archaeology, and anthropology. Will address themes of the impact of climate change on migration and settlement, trade and commerce, state formation, slavery, and the impact of Islam and Christianity on the continent. Will provide a methodological and historiographical framework in which more specific historical processes and events may be placed and understood.

Note: This course, when taken for a letter grade, meets the Core requirement for Historical Study B.

History 1701 (formerly History 1907). West Africa from 1800 to the Present

Catalog Number: 4650

Emmanuel K. Akyeampong

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Explores the internal dynamics of West African states from 1800, and West Africa's relations with the wider world. Examines African perspectives of colonialism, nationalism, and the transfer of political power. Concludes with the study of the continued struggle of independent West African states to achieve economic independence.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1876. Late Ottoman History - (New Course)

Catalog Number: 9650

Edhem Eldem

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A survey of Ottoman history from the mid-seventeenth century to the immediate aftermath of World War I, with a focus on the transformations undergone by the system up to the end of the eighteenth century, and on the process of westernization and modernization of the nineteenth



century. A pluridisciplinary approach will ensure that the period is covered from as many perspectives as possible, political and economic, social and cultural, intellectual and mental.

History 1877 (formerly History 1877a). History of the Near East, 600-1055

Catalog Number: 1770

Roy Mottahedeh

Half course (spring term). M., W., at 12. EXAM GROUP: 5

A survey of the history of the Near East and North Africa from the rise of Islam in the 7th century to the Turkish ascendancy in the mid-11th century. Includes Muhammad and his community, Arab conquests, Umayyads and Abbasids, sectarian movements, minority communities, government and religious institutions, and relations with Byzantium and the Latin West.

[History 1878a. Ottoman State and Society I (1300–1550)]

Catalog Number: 5471

Cemal Kafadar

Half course (fall term). Hours to be arranged.

Surveys the emergence of the Ottoman state from a frontier principality into a world empire in its sociopolitical and cultural contexts. Topics include pre-Ottoman Anatolia; frontier society; methods of conquest; centralization of power; classical institutions of the land regime and of the central administration; urbanization; religion and literature. Relations with Byzantium, other Islamic states, and Europe are examined.

Note: Expected to be given in 2010–11.

[History 1878b. Ottoman State and Society II (1550-1920)]

Catalog Number: 6470

Cemal Kafadar

Half course (spring term). Hours to be arranged.

Surveys the transformations of the classical Ottoman order in the Middle East and southeastern Europe until the demise of the state. Topics include decentralization; social disturbances; the impact of the new world economy and new trade routes; reforms; changing relations with Europe; nationalist movements; the 'Eastern Question.' Ethnic structure, rural society, urban popular culture, guilds, gender and family life are also examined. The importance of this era for understanding today's Middle East is stressed.

Note: Expected to be given in 2009–10.

History 1890 (formerly History 1890b). The Economic History of the Middle East Since World War II

Catalog Number: 1249

E. Roger Owen

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

A critical overview of the processes of economic growth and transformation in the Middle East from World War II to the present. Countries to be studied include Egypt, Syria, Lebanon, Jordan, Iraq, the Arab states of the Arabian Peninsula, Israel/Palestine, Iran and Turkey.



Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Cross-listed Courses

[Arabic 162. Introduction to the Modern Arab World - \(New Course\)](#)

[Arabic 170. The Modern Arab World Since WWI - \(New Course\)](#)

[Chinese History 113. Society and Culture of Late Imperial China]

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam](#)

[Historical Study A-13. China: Traditions and Transformations](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study A-16. Modern South Asia in Global History](#)

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]

[Historical Study B-68. America and Vietnam: 1945-1975]

[Islamic Civilizations 145. Introduction to Islamic Philosophy and Theology]

[Japanese History 111a. Ancient and Medieval Japan](#)

[Japanese Literature 160. The Pacific War through Film - \(New Course\)](#)

[Japanese Literature 260. Japanese Cinema - \(New Course\)](#)

[Korean History 111. Traditional Korea](#)

[Literature and Arts C-40. The Chinese Literati](#)

[Persian 150r. Readings in Persian Historians, Geographers and Biographers](#)

Primarily for Graduates

[History 2622 \(formerly History 2822\). Readings on the 1949 Revolution in China: Seminar](#)

Catalog Number: 0617

Henrietta Harrison

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This course examines the social and political history of the communist revolution. It also provides an introduction to finding, reading and translating materials for 20th century Chinese history including newspapers, memoirs, diaries, published government documents and archives.

Note: Open to qualified undergraduates.

Prerequisite: Reading knowledge of Chinese.

[History 2623 (formerly History 2823). Readings in Modern Chinese History: Proseminar]

Catalog Number: 3460

Henrietta Harrison

Half course (fall term). Hours to be arranged.

A graduate colloquium designed for students preparing for general examinations in modern Chinese history or interested in the historiography of modern China.

Note: Expected to be given in 2009–10.

[History 2624 \(formerly History 2848a & History 2848b\). Introduction to Archival Research in Chinese History: Seminar](#)

Catalog Number: 1863

Mark C. Elliott



Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Training in the use of a wide array of reference tools and sources for research in the history of late imperial China, focusing upon the reading and analysis of Qing archival documents. The course aims to familiarize students with the Qing communications system and to prepare students for doctoral research in China. Students will write a seminar paper based on original research incorporating the types of materials introduced in class.

Note: Open to qualified undergraduates with permission of instructor.

Prerequisite: Chinese 106b or equivalent foundation in literary Chinese.

History 2626. Society and Culture in Modern China: Seminar - (New Course)

Catalog Number: 2238

Jeff Snyder-Reinke (The College of Idaho)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This course will provide graduate students with an introduction to some of the more recent literature on the social and cultural history of modern China from the seventeenth century until the early twentieth century.

History 2627. Violence in Modern Chinese History: Seminar - (New Course)

Catalog Number: 5939

Jeff Snyder-Reinke (The College of Idaho)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The primary objective of this course is to provide graduate students with an introduction to the secondary literature on violence in modern Chinese history from the seventeenth century until the early twentieth century.

History 2628. Asia in the Making of the Modern World (Graduate Seminar in General Education) - (New Course)

Catalog Number: 9741

Shigehisa Kuriyama, Ian J. Miller, and Parimal G. Patil

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8, 9

This seminar will spotlight familiar aspects of life in contemporary America, and show how a deeper understanding of them requires study of peoples and events in distant places and times. Using a variety of sources and methods, the course will explore how Asia and its past are in fact woven into the intimate fabric of life here and now. The seminar will design and develop a General Education course on these themes for undergraduates.

***History 2651 (formerly *History 2851). Japanese History: Seminar**

Catalog Number: 5146 Enrollment: Limited to 15.

Andrew Gordon

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Students write research papers on topics of their own choosing drawing on sources in Japanese, and other languages as appropriate.

Prerequisite: Reading knowledge of Japanese.

History 2653 (formerly History 2853). Historiography of Modern Japan: Proseminar

Catalog Number: 4442



Andrew Gordon

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A critical introduction to the historiography of modern Japan, with emphasis on English-language scholarship.

History 2692 (formerly History 2892). Colonial and Post-Colonial Histories of South Asia: Seminar

Catalog Number: 8502

Sugata Bose

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Analyzes trends and debates in historical research and writing on colonial and post-colonial South Asia.

[History 2708 (formerly History 2908). Sources, Methodology, and Themes in African History: Seminar]

Catalog Number: 5861 Enrollment: Limited to 12.

Emmanuel K. Akyeampong

Half course (fall term). Hours to be arranged.

Seminar to equip graduate students with the necessary tools for archival research and fieldwork, as well as to introduce them to recent approaches in the historiography.

Note: Expected to be given in 2010–11.

Prerequisite: A graduate field on Africa.

[History 2709 (formerly History 2909). Themes in Modern Sub-Saharan African History: Proseminar]

Catalog Number: 5840 Enrollment: Limited to 14.

Caroline M. Elkins

Half course (spring term). Hours to be arranged.

An in-depth study of the major themes in sub-Saharan African history from the mid-19th century to the present, including the scholarship and debates on the changing relationship between Africa and the West.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

[History 2805 (formerly History 2905). Gender and Sexuality: Comparative Historical Studies of Islamic Middle East, North Africa and South Asia: Seminar]

Catalog Number: 8070

Afsaneh Najmabadi

Half course (fall term). Hours to be arranged.

Informed by theories of gender and sexuality, this seminar investigates how historically notions of desire, body, sex, masculinity, femininity, gender and sexual subjectivities have formed and reformed in Islamicate cultures of the Middle East, North Africa, and South Asia.

Note: Expected to be given in 2010–11.

History 2876. Ottoman Paleography and History: Seminar - (New Course)

Catalog Number: 0744

Edhem Eldem



Half course (spring term). Tu., 3–5. EXAM GROUP: 17

This specialized seminar will combine history with palaeography by focusing on one particular 'case study' of nineteenth-century Ottoman history, the life and personal writings of Sultan Murad V's son Prince Salahaddin Efendi (1861-1915).

Prerequisite: Previous knowledge of Turkish and Ottoman script.

[History 2882. Readings in the History of Iraq, 1900-2006: Seminar]

Catalog Number: 4735

E. Roger Owen

Half course (spring term). Hours to be arranged.

Readings selected to provide an understanding of Iraq's 20th-century political and socio-economic history.

Note: Expected to be given in 2009–10.

[History 2884. Topics in Ottoman Social and Cultural History: Seminar]

Catalog Number: 3762

Cemal Kafadar

Half course (fall term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Turkish.

[History 2885. Introduction to Archival Research in Ottoman History: Proseminar]

Catalog Number: 3274

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.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Turkish.

[History 2886. Topics in Islamic History: Seminar](#)

Catalog Number: 3470

Roy Mottahedeh

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Topic to be announced.

[History 2887b. Debates in the Political and Ideological History of the Middle East: Seminar]

Catalog Number: 4102

E. Roger Owen

Half course (fall term). Hours to be arranged.

Major questions and debates in modern Arab political and ideological writings including Orientalism, Arab and local nationalism, religious revival, power and authority, and the difficulties of establishing democratic institutions.

Note: Expected to be given in 2009–10.



Cross-listed Courses

[Chinese History 235r (formerly Chinese History 235). Topics in Warring States History: Seminar]

[Chinese History 251. Confucian Ethics: Conference Course]

[Japanese History 201. Readings in Pre-Meiji History - \(New Course\)](#)

[Japanese History 202. Introduction to Heian and Medieval Historical Sources - \(New Course\)](#)

***Korean 300. Reading and Research**

[Korean History 230r. Readings in Premodern Korean History](#)

[Korean History 235r. Historical Research in Korea]

[Korean History 253r. Modern Korean History: Proseminar](#)

[*Korean History 255r. Modern Korean History: Seminar]

[Korean History 260r (formerly Korean History 260hfr). Readings in Modern Korean History]

International History

For Undergraduates and Graduates

[History 1920 \(formerly History 10c\). A Global History of Modern Times](#)

Catalog Number: 1925

Charles S. Maier

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

A history of world societies from the end of the 18th century until the present. Covers such transnational forces as demographic change, religious revivals, and technological and economic development; comparative political transformations, such as the impact of revolutionary ideologies on rural and urban life; and the interactions between different global regions, whether as a consequence of imperialism and war, economic trade and investment, or cultural diffusion.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World. This course, when taken for a letter grade, meets the Core requirement for Historical Study A.

[History 1921 (formerly History 1961). International Financial History, 1700 to the Present]

Catalog Number: 9661

Niall Ferguson

Half course (fall term). Hours to be arranged.

An introduction to modern financial history from the first stock market bubbles to the most recent. Topics include money and banking, public debt and bond markets, corporations and stock markets, investment banking, cross-border capital flows, private insurance and welfare systems, mortgages, consumer credit, privatization, emerging markets, derivatives and hedge funds. Special attention will be paid to the role of financial institutions and financial crises in economic and political development.

Note: Expected to be given in 2009–10.



History 1930. The Caribbean and the Atlantic World, 1500 to the present - (New Course)

Catalog Number: 1191

Richard Drayton (University of Cambridge)

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

The Caribbean was the crucible in which Amerindians, Europeans, Africans, and ultimately Asians came into violent encounter. Resistance to colonialism and slavery created a space of 'transculturation,' out of which came Césaire and Walcott, vodun and Santería, reggae and salsa. This course examines the making of this Atlantic region, and its role, reciprocally, in shaping the modern economy, ideas of race, European imperialisms, the Pan-Americanism of Bolívar and Martí and Pan-Africanism of Garvey and Fanon.

Cross-listed Courses

***History and Literature 90f. The British Atlantic World**

***History and Literature 90l. Stories of Slavery and Freedom in the Modern Atlantic World - (New Course)**

Primarily for Graduates

[History 2906. International History: Seminar]

Catalog Number: 0453

Erez Manela

Half course (spring term). Hours to be arranged.

Research seminar. Course will explore major approaches to the international and global history of the twentieth century, and the diverse historical sources that inform them. Topics include war, interstate relations, international society, globalization, and the environment.

Note: Expected to be given in 2009–10.

[History 2911. Theories of International Relations: Seminar]

Catalog Number: 6430

David R. Armitage

Half course (spring term). Hours to be arranged.

An historical introduction to theories of war and peace, sovereignty, diplomacy, colonialism, international law, and international relations since the fifteenth century. Readings include primary and secondary sources.

Note: Expected to be given in 2009–10.

History 2917 (formerly History 2681). International Relations of the US: Seminar

Catalog Number: 8886

Ernest R. May

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Advanced research on topics in the history of U.S. foreign and national security policy.

History 2918. International Human Rights (Graduate Seminar in General Education) - (New Course)

Catalog Number: 0857



Caroline M. Elkins

Half course (spring term). M., 4–6. EXAM GROUP: 9

This course will analyze the formulation, expansion, and enforcement of international human rights norms. Historical case studies will include the use of torture, war crimes, genocide, refugees, and women's and children's rights. The seminar will design and develop a General Education course on these themes for undergraduates.

Cross-listed Courses

[*American Civilization 200 \(formerly *American Civilization 370\). Major Works in the History of American Civilization](#)

[Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis](#)

[Economics 2330. History and Human Capital - \(New Course\)](#)

Courses in Reading and Research

Methodology

[*History 2481 \(formerly *History 2480\). The Scope of History: Seminar](#)

Catalog Number: 4804 Enrollment: Limited to 15.

Mary D. Lewis

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores the historical method by considering the wide array of "levels" of analysis or foci that historians adopt, from local and national to transnational, comparative and global; considers the relationship between scope and problematic.

Prerequisite: Graduate standing or permission of instructor.

[*History 2616 \(formerly *History 3901\). The Art and Craft of Historical Writing: Seminar](#)

Catalog Number: 4655

Jill M. Lepore

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

An intensive writing workshop and research seminar for history graduate students across field groups, divided into two parts, exposition, and narrative. Readings will be limited to essays on historical writing and samples of particularly effective academic prose.

[*History 2912 \(formerly *History 3902\). What is History? Concepts, Practices, Critique: Seminar](#)

Catalog Number: 4766

Afsaneh Najmabadi and Judith Surkis

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Offers a thematically structured critical introduction to key concepts, methods, and problems of historical practice and writing; examining the history of history, philosophies of history, the relationship of history to other disciplines.



***History 2915 (formerly *History 3904). History and Economics: Proseminar**

Catalog Number: 1557

Emma Rothschild

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examines approaches to the history of economic thought and economic history by the exploration of particular topics, including the political economy of empire, information, and globalization.

[History 2920 (formerly History 3905). Readings in Gender History: Seminar]

Catalog Number: 0882

Nancy F. Cott

Half course (fall term). Hours to be arranged.

Reading and discussion of works of theory and historiography that use gender analysis to re-view social and political phenomena such as revolution, nationalism, imperialism, citizenship, class formation, the welfare state, and consumerism. Predominantly US history, but including some European and Latin American comparison.

Note: Expected to be given in 2009–10.

***History 3900 (formerly *History 3910). Writing History: Approaches and Practices**

Catalog Number: 1358

David R. Armitage and Caroline M. Elkins

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Required of and limited to first-year doctoral students in History, HMES, and those students in EALC who choose the History specialization.

Cross-listed Courses

Jewish Studies 160. History and Historiography in Rabbinic Literature - (New Course)

Teaching Practicum

***History 3920hf. Colloquium on Teaching Practices - (New Course)**

Catalog Number: 5222

Mark A. Kishlansky 2895 (fall term only) and David R. Armitage 5023

Half course (throughout the year). F., 9:30–11.

Required of and open only to all third-year history department graduate students.

Directed Reading and Research

***History 3000. Direction of Doctoral Dissertations**

Catalog Number: 4630

Emmanuel K. Akyeampong 3421, David R. Armitage 5023, Adam Gregory Beaver 5792, Sven Beckert 2415 (on leave 2008-09), Thomas N. Bisson 1451, David Blackbourn 3203, Ann M. Blair 2467, Peter K. Bol 8014, Sugata Bose 3960, Vincent Brown 4638 (on leave 2008-09), Joyce E. Chaplin 1058, John H. Coatsworth 3248, Lizabeth Cohen 3627, Nancy F. Cott 4261 (on leave 2008-09), Albert M. Craig 1847, Robert Darnton 5980, Emma Dench 5243, Caroline M.



Elkins 3961, Drew Gilpin Faust 3857, Niall Ferguson 4938 (on leave fall term), Alison F. Frank 5313, Andrew Gordon 1891, Peter E. Gordon 3907 (on leave fall term), James Hankins 1239, Henrietta Harrison 5161 (on leave fall term), Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Maya Jasanoff 5877, Andrew Jewett 5878, Walter Johnson 5616, Christopher P. Jones 3204, Cemal Kafadar 2459 (on leave 2008-09), S. Deborah Kang 6123, Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157 (on leave 2008-09), Philip A. Kuhn 8051, Angeliki E. Laiou 7282 (on leave 2008-09) (fall term only), Jill M. Lepore 4830, Mary D. Lewis 4369, Gerard Livesey (University of Sussex) 2164, Malinda Maynor Lowery 5320 (on leave 2008-09), Charles S. Maier 7227, Erez Manela 4762 (on leave 2008-09), Terry D. Martin 2966, Ernest R. May 1817 (on leave spring term), Michael McCormick 2849 (on leave 2008-09), Lisa M. McGirr 2543 (on leave 2008-09), Ian J. Miller 5880 (on leave fall term), Roy Mottahedeh 1454, Afsaneh Najmabadi 4052, Susan E. O'Donovan 3962, Kelly A. O'Neill-Uzgiris 5881, E. Roger Owen 1028 (on leave fall term), Steven Ozment 6197 (on leave spring term), Gabriel Paquette 6149, Serhii Plokhii 4454, Michael J. Puett 1227 (on leave 2008-09), Emma Rothschild 5001 (on leave spring term), Daniel L. Smail 5343, David Smith 5904, Jeff Snyder-Reinke (The College of Idaho) 6124, Rachel St. John 5328, Judith Surkis 4184, Carol Symes 6110, Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, Trygve Van Regenmorter Throntveit 6066, Laurel Thatcher Ulrich 1886, Daniel Corbett Wewers 6071, and John Womack, Jr. 1863 (on leave 2008-09)

***History 3010. Reading and Research**

Catalog Number: 3424

Asad A. Ahmed 5567, Emmanuel K. Akyeampong 3421, David R. Armitage 5023, Bernard Bailyn 1841, Sven Beckert 2415 (on leave 2008-09), Thomas N. Bisson 1451, David Blackburn 3203, Ann M. Blair 2467, Peter K. Bol 8014, Sugata Bose 3960, Vincent Brown 4638 (on leave 2008-09), Joyce E. Chaplin 1058, John H. Coatsworth 3248, Elizabeth Cohen 3627, Kathleen M. Coleman 2289, Nancy F. Cott 4261 (on leave 2008-09), Robert Darnton 5980, Emma Dench 5243, Charles Donahue, Jr. (Law School) 2650, Carter J. Eckert 1178 (on leave spring term), Caroline M. Elkins 3961, Mark C. Elliott 3329 (on leave spring term), Drew Gilpin Faust 3857, Niall Ferguson 4938 (on leave fall term), Alison F. Frank 5313, Ivan Gaskell 3174, Andrew Gordon 1891, Peter E. Gordon 3907 (on leave fall term), Peter A. Hall 7272, James Hankins 1239, Henrietta Harrison 5161 (on leave fall term), Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Maya Jasanoff 5877, Andrew Jewett 5878, Walter Johnson 5616, Christopher P. Jones 3204, Cemal Kafadar 2459 (on leave 2008-09), Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157 (on leave 2008-09), Philip A. Kuhn 8051, Angeliki E. Laiou 7282 (on leave 2008-09) (fall term only), Jill M. Lepore 4830, Mary D. Lewis 4369, Malinda Maynor Lowery 5320 (on leave 2008-09), Charles S. Maier 7227, Erez Manela 4762 (on leave 2008-09), Terry D. Martin 2966, Ernest R. May 1817 (on leave spring term), Michael McCormick 2849 (on leave 2008-09), Lisa M. McGirr 2543 (on leave 2008-09), Ian J. Miller 5880 (on leave fall term), Roy Mottahedeh 1454, Afsaneh Najmabadi 4052, Susan E. O'Donovan 3962, Kelly A. O'Neill-Uzgiris 5881, E. Roger Owen 1028 (on leave fall term), Steven Ozment 6197 (on leave spring term), Richard Pipes 1827, Serhii Plokhii 4454, Michael J. Puett 1227 (on leave 2008-09), Emma Rothschild 5001 (on leave spring term), P. Oktor Skjaervo 2869 (on leave fall term) (spring term only), Daniel L. Smail 5343, Rachel St.



John 5328, Judith Surkis 4184, Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, John Womack, Jr. 1863 (on leave 2008-09), and Steven J. Zipperstein (Stanford University) 5910 (fall term only)

Half course (fall term; repeated spring term). Fall: F., 1–3; Tu., 3–5; Spring: F., 1–3; Th., 2–4. Instructors listed above under History 3010 supervise individual work in preparation for the General Examination for the PhD degree.

Note: Limited to candidates for the PhD who are in residence, who have been for a year in residence, and who are in good standing in the Graduate School. May ordinarily be taken only in preparation for a field (or fields) to be examined on the General Examination. May not be counted toward the AM degree except by permission of the Department.

History and Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Committee on Degrees in History and Literature

Jill M. Lepore, David Woods Kemper '41 Professor of American History (*Chair*)
David R. Armitage, Lloyd C. Blankfein Professor of History
Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature (*on leave 2008-09*)
Steven Biel, Senior Lecturer on History and Literature
Ann M. Blair, Henry Charles Lea Professor of History
Sugata Bose, Gardiner Professor of Oceanic History and Affairs
Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology
Janet Browne, Aramont Professor of the History of Science
Lawrence Buell, Powell M. Cabot Professor of American Literature (*on leave 2008-09*)
Daniel G. Donoghue, John P. Marquand Professor of English
James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
Jeanne Follansbee Quinn, Lecturer on History and Literature (*Director of Studies*)
Virginie Greene, Professor of Romance Languages and Literatures, Harvard College Professor
Maya Jasanoff, Associate Professor of History
Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies
James T. Kloppenberg, Charles Warren Professor of American History (*on leave 2008-09*)
Barbara K. Lewalski, William R. Kenan, Jr. Professor of History and Literature and of English (*on leave spring term*)
Malinda Maynor Lowery, Assistant Professor of History (*on leave 2008-09*)
Louis Menand, Anne T. and Robert M. Bass Professor of English
Leah Price, Professor of English, Harvard College Professor



Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies

Judith Surkis, Associate Professor of History and of History and Literature

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology

Joanne van der Woude, Assistant Professor of English and of History and Literature

Affiliated Members of the Committee on Degrees in History and Literature

David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)

Helen Vendler, Arthur Kingsley Porter University Professor, Contin Ed/Spec Prog Instructor (*on leave spring term*)

Other Faculty Offering Instruction in the History and Literature Program

Christina Kim Becker, Lecturer on History and Literature

Peter Becker, Lecturer on History and Literature

Karen E. Bishop, Lecturer on History and Literature

Seo-Young Jennie Chu, Lecturer on History and Literature

Sarah Rose Cole, Lecturer on History and Literature, Proctor; Member of the Board of Freshman Advisers

Antonio Cordoba, Lecturer on History and Literature

Jason Monroe Crawford, Lecturer on History and Literature

Nenita Ponce de Leon Elphick, Lecturer on History and Literature

Rena Fonseca, Lecturer on History and Literature

Tamara Griggs, Lecturer on History and Literature, Scholar in Residence

Katrina Maria Hagen, Lecturer on History and Literature

Lori B. Harrison-Kahan, Lecturer on History and Literature

Ann S. Holder, Lecturer on History and Literature

Sharon L. Howell, Lecturer on History and Literature

Emily Hudson, Lecturer on History and Literature

Joshua Humphreys, Lecturer on History and Literature

Aaron S. Lecklider, Lecturer on History and Literature

Ian K. Lekus, Lecturer on History and Literature, and Lecturer on Studies of Women, Gender, and Sexuality

Max A. Likin, Lecturer on History and Literature

Stephanie M. Lin, Lecturer on History and Literature

Sally Livingston, Lecturer on History and Literature

Timothy P. McCarthy, Lecturer on History and Literature

James S. Murphy, Lecturer on History and Literature

Rani Neutill, Lecturer on History and Literature, Teaching Assistant in Studies of Women, Gender, and Sexuality

John D. Ondrovicik, Lecturer on History and Literature

Kimberley A. Reilly, Lecturer on History and Literature

Andrew John Romig, Lecturer on History and Literature

Lindsay M. Silver Cohen, Lecturer on History and Literature



Penny Joy Sinanoglou, Lecturer on History and Literature
Scott A. Sowerby, Lecturer on History and Literature
Amy L. Spellacy, Lecturer on History and Literature
Katherine Stebbins McCaffrey, Lecturer on History and Literature
Daniel Corbett Wewers, Lecturer on History and Literature
James Wilkinson, Lecturer on History and Literature

Undergraduate Seminars

These seminars exploring the interdisciplinary study of History and Literature are restricted to undergraduates and have enrollments limited to 15. There are no prerequisites, and non-concentrators are welcome. Preference is given to History and Literature concentrators if space is limited.

***History and Literature 90f. The British Atlantic World**

Catalog Number: 0527 Enrollment: Limited to 15.

Scott A. Sowerby

Half course (fall term). Tu., 1–3.

Examines the literature and history of the English-speaking societies of the North Atlantic basin from 1550 to 1800 Investigates the circulation and migration of peoples, ideas and goods across oceans. Themes include exploration, identity and captivity Sources include writings by Aphra Behn, Daniel Defoe, Olaudah Equiano, Benjamin Franklin, Thomas Harriot and Jonathan Swift.

***History and Literature 90g. Charlemagne in Memory and Myth - (New Course)**

Catalog Number: 4105 Enrollment: Limited to 15.

Andrew John Romig

Half course (fall term). M., 2–4.

From the Middle Ages to the present day, the Frankish Emperor Charlemagne (d. 814) has served as a symbol of European pride and power. Students in this course will analyze the evolution of Charlemagne's image in the literary and historical record from the early ninth century to the seventeenth. Topics of discussion will include the cultural production of myth and memory, the birth of Europe, the rise of the state, the Crusades, and early colonialism.

***History and Literature 90h. Narrating 9/11 - (New Course)**

Catalog Number: 0150 Enrollment: Limited to 15.

Jeanne Follansbee Quinn

Half course (fall term). W., 2–4.

This course will examine the range and kinds of narratives used by writers, photographers, politicians, historians, and critics to make sense of September 11, 2001. Readings and discussion will provide the tools for considering how historical and literary representations emerge from a collective process of cultural conversation and contestation.

***History and Literature 90i. American Road Narratives - (New Course)**

Catalog Number: 9056 Enrollment: Limited to 15.

Amy L. Spellacy

Half course (fall term). Th., 3–5.

Explores the significance of the road narrative in twentieth-century American literature and film,



focusing on how stories of travel have functioned as a forum for examining larger social and cultural issues. Course will consider the possibilities and promises represented by travel in these stories, and will also interrogate how race, class, and gender affect the experience of being on the road. Authors include Zora Neale Hurston, John Steinbeck, Vladimir Nabokov, Jack Kerouac, and Cormac McCarthy.

***History and Literature 90j. The Paradoxes of Progress - (New Course)**

Catalog Number: 1605 Enrollment: Limited to 15.

Joshua Humphreys

Half course (fall term). Tu., 2–4.

This seminar explores the idea of Progress, and its accompanying problems and paradoxes, in European history and literature since the Enlightenment. Our approach will be comparative, concentrating on materials drawn primarily from France, Britain, and Germany, ranging from novels, poetry and plays by Tennyson, Hugo, Dickens, Thomas Mann, and Camus to political and philosophical writing and social and cultural criticism (Kant, Condorcet, Comte, Fourier, Freud, and the Frankfurt School) to 20th-c. music (Webern, Schönberg, Górecki).

***History and Literature 90k. Washington, D.C.: The Divided Capital - (New Course)**

Catalog Number: 6224 Enrollment: Limited to 15.

Lindsay M. Silver Cohen

Half course (fall term). Tu., 2–4.

The history and literature of Washington, D.C. from 1800-2000. Course will use texts such as novels, maps, music, memoirs, newspapers, poems, films, monographs, and photographs to explore the tension between the symbolic capital and the residential city. Topics include urban planning and the built environment, federal expansion, migration and immigration, the legacies of segregation and disenfranchisement, the creation of public culture and national tourism, the March on Washington, Home Rule, Watergate, and Mayor Marion Barry.

***History and Literature 90l. Stories of Slavery and Freedom in the Modern Atlantic World - (New Course)**

Catalog Number: 5335 Enrollment: Limited to 15.

Timothy P. McCarthy

Half course (fall term). M., 2–4.

In the last generation, scholars have revolutionized our understanding of slavery and freedom in the modern Atlantic world. This sea-change has been the result of a major methodological shift: to view this history through the eyes of slaves rather than the eyes of masters. This course will examine the history of the "black Atlantic" through a diverse range of cultural texts--poetry, pamphlets, court cases, petitions, autobiographies, novels, speeches, and sermons--produced by slaves, free blacks, and abolitionists from the Age of Revolution to emancipation.

***History and Literature 90m. Visual Culture of US Social Movements - (New Course)**

Catalog Number: 1839 Enrollment: Limited to 15.

Aaron S. Lecklider

Half course (fall term). Th., 3–5.

This course studies visual culture and post-1960s US social movements, including the Black Power, women's, anti-war, and lesbian and gay liberation movements. Students in the course



will explore how visual culture has been used both as a political tool and as a means for controlling and shaping the impact of identity-based social movements in recent US history.

***History and Literature 90n. Historical Representation in 19th-c. America - (New Course)**

Catalog Number: 8909 Enrollment: Limited to 15.

Peter Becker

Half course (fall term). Th., 2–4.

This course focuses on the competition over historical representation in the nineteenth century, which saw the beginning of historiographical writing in the modern sense. We will analyze its emergence in the context of its competitors and predecessors: the historical novel, romantic historiography, travelogue, romance, autobiography, realist fiction, journalism and photography. The course examines how these different genres changed the relationship between individual and environment, self and authority, fact and fiction.

***History and Literature 90o. Native American Literature: Narrations of Nationhood - (New Course)**

Catalog Number: 3040 Enrollment: Limited to 15.

Lisa T. Brooks

Half course (fall term). Th., 1–3.

How have Native American authors written the native nation How has writing contributed to the process of imagining the space of the nation in the wake of colonization? Reaching across temporal boundaries from indigenous oral traditions, to the texts of the encounter and protest writing, to contemporary poetry, fiction, and political prose, this interactive course provides substantial grounding in the literature and the history of Native America and fosters critical discussion of contemporary issues.

***History and Literature 90p. Perverse Idols: The Cultures of fin-de-siècle Europe - (New Course)**

Catalog Number: 7385 Enrollment: Limited to 15.

Judith Surkis

Half course (fall term). W., 3–5.

How did the fin-de-siècle put the new possibilities of new European modernity and its dark undersides on display? How were selves and society reconceived in the process? In exploring these questions, we read contemporary philosophy, literature, social science, and psychology. Amongst our themes: secularization and the "transvaluation of values"; decadence and degeneration; mass culture and the metropolis; the "new woman" and sexual dissidence; sexology and psychoanalysis; imperial exoticism and racial anxiety; politics and social reform. *Note:* This course, when taken for a letter grade, meets the Core requirement for Historical Study B.

Tutorials, for Undergraduates Only

***History and Literature 91r. Supervised Reading and Research**

Catalog Number: 0334

Jeanne Follansbee Quinn and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.



Note: History and Literature concentrators may arrange individually supervised reading and research courses; the permission of the Director of Studies is required for these courses.

***History and Literature 97. Tutorial - Sophomore Year**

Catalog Number: 1148

Jeanne Follansbee Quinn and members of the Committee.

Half course (spring term). Hours to be arranged.

Introduction to interdisciplinary methods and to topics in students' chosen fields. Required of all concentrators. Open only to concentrators.

***History and Literature 98r. Tutorial — Junior Year**

Catalog Number: 2766

Jeanne Follansbee Quinn and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

An individually supervised study of selected topics in the student's chosen field in History and Literature.

Note: Ordinarily taken as two half courses by juniors. Required of all concentrators.

***History and Literature 99. Tutorial — Senior Year**

Catalog Number: 5362

Jeanne Follansbee Quinn and members of the Committee

Full course. Hours to be arranged.

Research and writing of the senior thesis; preparation for the oral exam.

Note: Ordinarily taken by seniors as a full course. Required of all concentrators.

Cross-listed Courses

***History 81b. Book History - (New Course)**

A list of the courses in other departments that count for History and Literature is available in our office at the Barker Center and at www.fas.harvard.edu/~histlit.

History of American Civilization

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in the History of American Civilization

John Stauffer, Professor of English and of African and African American Studies (*Chair*)

Sven Beckert, Laird Bell Professor of History (*on leave 2008-09*)



Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature (*on leave 2008-09*)
 Steven Biel, Senior Lecturer on History and Literature
 Ann D. Braude, Senior Lecturer in American Religious History (*Divinity School*)
 Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology
 Lawrence Buell, Powell M. Cabot Professor of American Literature (*on leave 2008-09*)
 Glenda R. Carpio, Associate Professor of African and African American Studies and of English
 Joyce E. Chaplin, James Duncan Phillips Professor of Early American History
 Elizabeth Cohen, Howard Mumford Jones Professor of American Studies
 Nancy F. Cott, Jonathan Trumbull Professor of American History (*on leave 2008-09*)
 Margaret Lee Crawford, Professor of Urban Design and Planning Theory (*Design School*)
 Christine Desan, Professor of Law (*Law School*)
 Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor
 Claudia Goldin, Henry Lee Professor of Economics
 David Neil Hempton, Alonzo L. McDonald Family Professor of Evangelical Theological Studies (*Divinity School*)
 Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
 Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)
 Andrew Jewett, Assistant Professor of History and of Social Studies
 Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies
 Robin E. Kelsey, John L. Loeb Associate Professor of the Humanities, Professor of History of Art and Architecture
 Randall L. Kennedy, Michael R. Klein Professor of Law (*Law School*)
 Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)
 James T. Kloppenberg, Charles Warren Professor of American History (*on leave 2008-09*)
 Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies (*on leave spring term*)
 Jill M. Lepore, David Woods Kemper '41 Professor of American History
 Malinda Maynor Lowery, Assistant Professor of History (*on leave 2008-09*)
 Lisa M. McGirr, Professor of History (*on leave 2008-09*)
 Louis Menand, Anne T. and Robert M. Bass Professor of English
 Susan E. O'Donovan, Associate Professor of African and African American Studies and of History
 Charles J. Ogletree, Jesse Climenko Professor of Law (*Law School*)
 Carol J. Oja, William Powell Mason Professor of Music (*on leave 2008-09*)
 Julie A. Reuben, Professor of Education (*Education School*)
 Jennifer L. Roberts, Gardner Cowles Associate Professor of History of Art and Architecture
 Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave spring term*)
 Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*on leave fall term*)
 Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies



Rachel St. John, Assistant Professor of History
Jason W. Stevens, Assistant Professor of English
Laurel Thatcher Ulrich, 300th Anniversary University Professor
Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
Joanne van der Woude, Assistant Professor of English and of History and Literature

Other Faculty Offering Instruction in the History of American Civilization

Allan M. Brandt, Amalie Moses Kass Professor of the History of Medicine in the Faculty of Medicine, and Professor of the History of Science in the Faculty of Arts and Sciences, Dean of the Graduate School of Arts and Sciences
David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*) (*on leave 2008-09*)
Joyce E. Chaplin, James Duncan Phillips Professor of Early American History
Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality (*on leave 2008-09*)
Philip J. Fisher, Felice Crowl Reid Professor of English, Harvard College Professor
William W. Fisher, Hale and Dorr Professor of Intellectual Property Law (*Law School*)
Akira Iriye, Charles Warren Professor of American History, Emeritus, Charles Warren Research Professor of American History
Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society
Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)
Elisa New, Professor of English
Susan E. O'Donovan, Associate Professor of African and African American Studies and of History
John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development
Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology
Stephan Thernstrom, Winthrop Research Professor of History
Helen Vendler, Arthur Kingsley Porter University Professor, Contin Ed/Spec Prog Instructor (*on leave spring term*)
Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative Literature

This program is interdisciplinary. Students are also referred to course offerings at the Design School, Harvard Graduate School of Education, Kennedy School, and Law School. For further information about the variety of course offerings in specific departments, consult the office of the Committee, Barker Center 225, 12 Quincy Street.

Primarily for Graduates

[*American Civilization 200 \(formerly *American Civilization 370\). Major Works in the History of American Civilization](#)

Catalog Number: 3662

John Stauffer

Half course (*fall term*). M., 3–5.



A survey of the field, with an emphasis on the range of interdisciplinary methods in the humanities, history, and social sciences.

Note: Required of first and second-year graduate students in American Civilization and open to others by permission of the instructor.

[*American Civilization 201 (formerly *American Civilization 371). Themes in the History of American Civilization]

Catalog Number: 6797

David D. Hall (Divinity School)

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Interdisciplinary study of one or several topics.

Note: Expected to be given in 2009–10. Required of first and second-year graduate students in American Civilization and open to others by permission of the instructor.

Graduate Courses

***American Civilization 398. Reading and Research**

Catalog Number: 1710

Sven Beckert 2415 (on leave 2008-09), Allan M. Brandt 3031, Lawrence Buell 2655 (on leave 2008-09), Glenda R. Carpio 4408, Joyce E. Chaplin 1058, Lizabeth Cohen 3627, Nancy F. Cott 4261 (on leave 2008-09), Margaret Lee Crawford (Design School) 3934, Bradley S. Epps 2880 (on leave 2008-09), Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, Claudia Goldin 2667 (spring term only), David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Barbara E. Johnson 7626, Walter Johnson 5616 (spring term only), Despina Kakoudaki 3979 (on leave spring term) (spring term only), Robin E. Kelsey 4132, Alexander Keyssar (Kennedy School) 4323, James T. Kloppenberg 3157 (on leave 2008-09), Carrie Lambert-Beatty 5283 (on leave spring term) (fall term only), Jill M. Lepore 4830, Thomas K. McCraw (Business School) 7371, Louis Menand 4752, Ingrid Monson 1591, Elisa New 2428, Susan E. O'Donovan 3962, Carol J. Oja 4599 (on leave 2008-09), Robert A. Orsi (Divinity School) 4242 (spring term only), Julie A. Reuben (Education School) 4428, Jennifer L. Roberts 4407, Marc Shell 3176 (on leave spring term) (fall term only), Werner Sollors 7424 (on leave fall term), John Stauffer 1006, Maria Tatar 3645, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, and Helen Vendler 7226 (on leave spring term)

***American Civilization 399. Direction of Doctoral Dissertation**

Catalog Number: 8803

Sven Beckert 2415 (on leave 2008-09), Allan M. Brandt 3031, Lawrence Buell 2655 (on leave 2008-09), David L. Carrasco (FAS, Divinity School) 4213 (on leave 2008-09), Joyce E. Chaplin 1058, Lizabeth Cohen 3627, Nancy F. Cott 4261 (on leave 2008-09), Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899, David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Walter Johnson 5616, Despina Kakoudaki 3979 (on leave spring term), Alexander Keyssar (Kennedy School) 4323, James T. Kloppenberg 3157 (on leave 2008-09), Carrie Lambert-Beatty 5283 (on leave spring term) (fall term only), Jill M. Lepore 4830, Thomas K. McCraw (Business School) 7371, Louis Menand 4752 (fall term only), Carol J.



Oja 4599 (on leave 2008-09), Robert A. Orsi (Divinity School) 4242, Julie A. Reuben (Education School) 4428, Jennifer L. Roberts 4407, Charles E. Rosenberg 3784, Marc Shell 3176 (on leave spring term), Werner Sollors 7424 (on leave fall term), John Stauffer 1006, John R. Stilgoe 8032, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, and Ruth R. Wisse 3177

Cross-listed Courses

[**Aesthetic and Interpretive Understanding 13 \(formerly Spanish 180\). Cultural Agents**](#)

[**African and African American Studies 131. African-American Literature to the 1920s**](#)

[***English 292. Methods of Approaching American Literature; Hemingway and Beyond: Graduate Seminar**](#)

[***Freshman Seminar 40y. Histories of the US-Mexico Border**](#)

[***Government 2305. American Government and Politics: Field Seminar**](#)

[Government 2335. Power in American Society]

[Historical Study A-84. American Constitutional History from the Framing to the Present]

[Historical Study A-86. Men and Women in Public and Private: the US in the 20th Century]

[Historical Study B-49 (formerly History 1651). History of American Capitalism]

[***History 74c. Bodily Functions: Histories of Bare Life and Bio-Power - \(New Course\)**](#)

[***History 74e. North American Borderlands History - \(New Course\)**](#)

[***History 74f. U.S. Environmental History - \(New Course\)**](#)

[***History 84b. The American Revolution - \(New Course\)**](#)

[***History 84c \(formerly *History 1610\). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America**](#)

[History 1330 (formerly History 1661). Social Thought in Modern America]

[*History 2340 (formerly *History 2662 & *History 2662hf). Readings in American Thought]

[History 2400 (formerly History 2600). Readings in Colonial and Revolutionary America: Proseminar]

[History 2401 (formerly History 2606 & 2606hf). Early American Social History: Seminar]

[**History 2402. American Food \(Graduate Seminar in General Education\) - \(New Course\)**](#)

[**History 2442 \(formerly History 2602\). Readings in the History of the US in the 19th Century: Proseminar**](#)

[History 2443 (formerly History 2632). Slavery, Capitalism, and Imperialism in the 19th century United States: Seminar]

[***History 2461 \(formerly *History 2601\). The US in the 20th Century: Seminar**](#)

[**History 2462 \(formerly History 2607\). Readings in the US in the 20th Century: Proseminar**](#)

[***History 2470hf \(formerly *History 2640hf\). Workshop in 20th-Century US History**](#)

[**History 2480hf \(formerly History 2650hf\). The Political Economy of Modern Capitalism: Seminar**](#)

[History 2490hf (formerly History 2652hf). Politics and Social Movements in North America: Seminar]

[***History 2616 \(formerly *History 3901\). The Art and Craft of Historical Writing: Seminar**](#)

[History 2920 (formerly History 3905). Readings in Gender History: Seminar]

[**History of Art and Architecture 17y. American Encounters: Art, Contact, and Conflict, 1560-1860**](#)



[History of Art and Architecture 172w. American Art and Modernity, 1865–1965]

[History of Art and Architecture 175k. American and European Art, 1945–1975]

[History of Art and Architecture 175w. Pop Art](#)

[History of Art and Architecture 197g. Colonial Art]

[*History of Art and Architecture 277s. Circa 1970](#)

[Music 194rs. Special Topics: Proseminar]

[Music 218r. 20th-Century Music: Seminar](#)

[*Religion 2501. The Religious History of American Women: Seminar](#)

[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)

[Spanish 243. Foundational Fiction and Film]

[Yiddish 108. America! America! : The Contradictions of American Jewish Culture](#)

History of Art and Architecture

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History of Art and Architecture

Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art (*Chair*)

Ruth Bielfeldt, Assistant Professor of History of Art and Architecture

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

Benjamin Buchloh, Andrew W. Mellon Professor of Modern Art

Joseph Connors, Professor of History of Art and Architecture

Frank Fehrenbach, Professor of History of Art and Architecture

Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art

Robin E. Kelsey, John L. Loeb Associate Professor of the Humanities, Professor of History of Art and Architecture

Ebba M. Koch, Visiting Associate Professor of History of Art and Architecture

Joseph Koerner, Professor of History of Art and Architecture (*Director of Undergraduate Studies*)

Ewa Lajer-Burcharth, Harvard College Professor and Professor of History of Art and Architecture

Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies (*on leave spring term*)

Neil Levine, Emmet Blakeney Gleason Professor of History of Art and Architecture

Yukio Lippit, Harris K. Weston Associate Professor of the Humanities (*on leave 2008-09*)

David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave spring term*)



Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art (*on leave 2008-09*)
Alina A. Payne, Professor of History of Art and Architecture (*on leave 2008-09*)
Jennifer L. Roberts, Gardner Cowles Associate Professor of History of Art and Architecture
David J. Roxburgh, Prince Alwaleed bin Talal Professor of Islamic Art History
Hugo van der Velden, Professor of History of Art and Architecture (*Director of Graduate Studies*)
Eugene Wang, Abby Aldrich Rockefeller Professor of Asian Art
Irene J. Winter, William Dorr Boardman Professor of Fine Arts
Henri Zerner, Professor of History of Art and Architecture

Museum Associates Offering Instruction in the Department

Other Faculty Offering Instruction in the History of Art and Architecture

Melissa M. McCormick, John L. Loeb Associate Professor of the Humanities
Antoine Picon, Professor of the History of Architecture and Technology (*Design School*)
Gloria Ferrari Pinney, Professor of Classical Archaeology and Art, Emerita

Courses in the History of Art and Architecture undergraduate curriculum are structured as a three-tier system, consisting of a sequence of introductory courses, upper-level courses and departmental tutorials. Passage through the sequence from entry level to more advanced classes is encouraged—particularly for prospective concentrators.

History of Art and Architecture (HAA) 1, HAA 10, HAA 11 are general, conceptual introductions to World Art from pre-history to the present, History of Later Western Art, and History of World Architecture, respectively, each of which would serve as a point of entry into the courses and concentration of History of Art and Architecture.

History of Art and Architecture 12–89 constitute field-specific introductions to the major subfields of art history and their associated methodologies. These introductory courses are intended both for students in the concentration and for non-concentrators with an interest in a particular subject within History of Art and Architecture.

History of Art and Architecture 100–199, upper-level courses, tend to focus upon a particular problem or set of materials within a subfield.

Primarily for Undergraduates

[History of Art and Architecture 1. Landmarks of World Art & Architecture](#)

Catalog Number: 3951

Neil Levine and members of the Department

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Examines major works of world art and architecture and the unique aesthetic, cultural, and historical issues that frame them. Members of the faculty will each lecture on an outstanding example in their area of expertise, covering various media and drawing from such diverse cultures as Renaissance Italy, twentieth-century Europe and America, Safavid Persia,



Revolutionary France, Han dynasty China, and the ancient Near East.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance

Catalog Number: 4988

Henri Zerner

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Concentrating on painting but with reference to other media, we examine art between the beginning of Modern Times around 1400 until the present. It is team taught and organized around specific topics each occupying one week. It is organized chronologically but does not attempt to be a comprehensive survey, but rather to highlight important issues, debates, innovations, specific works or artists.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

History of Art and Architecture 12m. Monuments and Cities of the Islamic World: An Introduction - (New Course)

Catalog Number: 0678

David J. Roxburgh

Half course (spring term). M., W., at 12. EXAM GROUP: 5

An introduction to key monuments and cities-Baghdad, Cairo, Cordoba, Isfahan, Istanbul, Samarqand-from the historical Islamic lands, ca. 650-1650 C.E., from Spain to India. Various building types are treated-e.g., mosques, palaces, schools, tombs, and shrines-as well as the factors that shaped them, whether artistic, cultural, socio-religious, political, or economic. Different methods of studying architecture are introduced in the course of the lectures.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

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 14k. Art, Faith and Power: Introduction to Early Christian and Byzantine Art]

Catalog Number: 9156

Ioli Kalavrezou

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

The course will focus on major moments in the history and politics from the age of Constantine I



the Great to the Crusades.

Note: Expected to be given in 2009–10.

[History of Art and Architecture 14n. From the Carolingians to the Capetians: Topics in Medieval Art]

Catalog Number: 6451

Jeffrey F. Hamburger

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to medieval art organized thematically, rather than chronologically, but ranging from Late Antiquity to the Reformation, including many media (architecture, murals, sculpture, stained glass, metalwork, manuscripts) and making maximum use of local collections. Topics include sacred space, nature and the supernatural, secular imagery, Passion piety, pilgrimage, propaganda, patronage, visions and visionaries, the Apocalypse and medieval conceptions of time and history.

Note: Expected to be given in 2009–10.

History of Art and Architecture 17y. American Encounters: Art, Contact, and Conflict, 1560-1860

Catalog Number: 8937

Jennifer L. Roberts

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to early American art with a focus on transatlantic, cross-cultural perspectives. We begin with the global struggle for control of the North American continent, tracing the collision of multiple Native American and African traditions with the visual and material cultures of British, French, and Spanish colonialism. We then focus more closely on the US proper, examining the active role of the visual arts in the formation of American politics, religion, and society.

Note: This course, when taken for a letter grade, meets the General Education requirement for United States in the World and the Core area requirement for Literature and Arts B.

History of Art and Architecture 18k. Introduction to Japanese Art

Catalog Number: 7525

Melissa M. McCormick

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Surveys the arts of Japan from the prehistoric period to the nineteenth century. The primary focus will be on Japanese painting, sculpture, and architecture, although calligraphy, garden design, ceramics, and prints will also be explored. Essential themes include the relationship between artistic production and Japanese sociopolitical development, Sino-Japanese cultural exchange, and the impact of religion, region, gender, and class on Japanese artistic practice.

[History of Art and Architecture 51p (formerly History of Art and Architecture 151z). Renaissance Architecture and the Rise of Classicism]

Catalog Number: 6427

Alina A. Payne

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Charts the rise and dissemination of classicism in Renaissance Europe. Lectures focus on the



development of the style, its origin in the fascination with antiquity, its response to shifts in social and political life, its mechanisms of transmission (travel, book and print culture) as well as phenomena of exchange (with the East), colonial export, and resistance to this pan-European trend.

Note: Expected to be given in 2009–10.

History of Art and Architecture 55k. Northern Renaissance - (New Course)

Catalog Number: 0473

Joseph Koerner

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Explores the revolutionary achievements of Netherlandish, French, and German artists, 1400–1600, with consideration of related developments in Italy. Figures include, van Eyck, Bosch, Durer, and Bruegel.

History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s

Catalog Number: 4593

Ewa Lajer-Burcharth

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

What is modernity, and what is the place of visual representation within modern culture? What conceptions of individuality, originality, and desire are at work in the idea of “the artist” in the modern period? Traversing different styles—rococo, Neo-classicism, Impressionism, Abstraction—we discuss a range of modern media, from painting, sculpture, prints, and photography to video, installation, and performance art.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

***History of Art and Architecture 91r. Directed Study in History of Art and Architecture**

Catalog Number: 1028

Joseph Koerner and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Limited to juniors and seniors. Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the permission of the proposed instructor.

***History of Art and Architecture 97r. Sophomore Tutorial**

Catalog Number: 0935

Joseph Koerner and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98ar. Advanced Tutorial**

Catalog Number: 1328

Joseph Koerner and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.



***History of Art and Architecture 98br. Advanced Tutorial**

Catalog Number: 3507

Joseph Koerner and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 99. Tutorial - Senior Year**

Catalog Number: 3118

Joseph Koerner, Robin Kelsey, and members of the Department

Full course. Fall: F., 3–5. EXAM GROUP: Fall: 8, 9

Note: Intended for honors candidates in History of Art and Architecture. Permission of the Head Tutor required.

For Undergraduates and Graduates

***History of Art and Architecture 100r. Sophomore Excursion Course**

Catalog Number: 9414 Enrollment: Limited to 17. Primarily intended for sophomore concentrators in HAA.

Hugo van der Velden, Benjamin Buchloh, Thomas B. F. Cummins, and David J. Roxburgh

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Major study trip with preparatory seminar, exploring the history, art, and architecture of a given region, (destination: Spain in 2009), with emphasis on long-term change and global interaction.

Note: Excursion is optional; not a requirement.

[*History of Art and Architecture 101. The Materials of Art]

Catalog Number: 5741 Enrollment: Limited to 12.

Henry W. Lie and members of the Department

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An introduction to the materials and techniques that have been used to produce art objects (paintings, sculpture, works on paper). An emphasis on the physical choices and constraints offered to the artist through the centuries. Problems of description, dating, authenticity, aging, and preservation are considered.

Note: Expected to be given in 2009–10.

Prerequisite: History of Art and Architecture concentration or two previous art history courses.

History of Art and Architecture 120n. Art of the Timurids in Greater Iran and Central Asia - (New Course)

Catalog Number: 9252 Enrollment: Limited to 15.

David J. Roxburgh

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Critical examination of the arts of the book, portable arts, and architecture sponsored by the Timurids (1370-1507), a dynasty founded by Timur (Tamerlane). Emphasis will also be given to primary written sources in translation.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.



[History of Art and Architecture 122x. Architecture of the Mediterranean World (1300-1650)]

Catalog Number: 9898

Gülru Necipoglu-Kafadar and Alina A. Payne

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Architecture in Christian and Islamic regions of the eastern Mediterranean basin studied in comparative perspective with particular focus on the Italian, Ottoman, and Mamluk courts. Emphasis on cross-cultural encounters, uses of the Romano-Byzantine heritage, transmission of scientific knowledge and technology, patronage and architectural practice, languages of ornament, urban renovation, military architecture, emergence of monumental domed structures, churches, palaces and villas.

Note: Expected to be given in 2009–10. Offered jointly with Graduate School of Design (course number to be determined).

[*History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture (7th–13th Century)]

Catalog Number: 8101 Enrollment: Limited to 14.

Gülru Necipoglu-Kafadar

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

A contextual study of major monuments focusing on architectural, decorative, and epigraphic programs. Questions of interpretation, meaning and uses of the past addressed by focusing on selected buildings including the Dome of the Rock in Jerusalem; the Great Mosques of Damascus, Baghdad, Samarra, Cordoba, Cairo, Isfahan, Kairouan, Konya, Marrakesh, and Delhi; funerary architecture and palaces. Cross-cultural dialogues in frontier regions of the Islamic world, such as Spain, Sicily, Anatolia and India considered.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 125e. Orientalist Legacies: Paradigmatic Discourses in the Field of Islamic Art]

Catalog Number: 4599 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

A critical examination of Orientalist discourses that shaped the construction of Islamic art as a field at the turn of the 20th century and their persistent echoes in current scholarship and exhibitions. Readings focus on late 19th - century historiography, modernist readings of abstract ornament and painting, and such topics as the essential "character" of Islamic art, "alterity of the arabesque," iconoclasm, the so-called Islamic city, the garden as paradise, collecting and exhibiting Islamic objects.

Note: Expected to be given in 2009–10.

History of Art and Architecture 131g. Pergamon: A Hellenistic Royal Residence and its Roman Afterlife - (New Course)

Catalog Number: 8305

Ruth Bielfeldt

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The marvelously preserved city of Pergamon is still the best example to study monarchic town



planning in the Hellenistic world. The exertion of monarchic power on the urban texture of the newborn capital of the Pergamene kingdom: this explicitly political perspective will help us understand the extant archaeological remains, the urban layout, the hierarchically organized public space, the sanctuaries with their famous war memorials as well as the spaces of private life.

***History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar**

Catalog Number: 0302 Enrollment: Limited to 15.

Irene J. Winter

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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 139j. Narrating Life and Death: Myths on Roman Sarcophagi]

Catalog Number: 1094 Enrollment: Limited to 15.

Ruth Bielfeldt

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

In Imperial Rome Greek Myths enter a new sphere: tombs. But the mythological narratives decorating the monumental relief sarcophagi are more than a simple traditionalist repeating of old stories: their visual language becomes a medium for expressing core experiences in life and death. Examines Roman sarcophagus imagery and interpret it in a contextual perspective, focusing on specific funerary contexts as well as the broader understanding of how death was conceptualized in Roman culture.

Note: Expected to be given in 2009–10. Open to qualified undergraduates and graduates.

History of Art and Architecture 139x. Art and Life in Pompeii - Proseminar - (New Course)

Catalog Number: 5600 Enrollment: Limited to 15.

Ruth Bielfeldt

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Pompeii is more than the victim city of 79 A.D. The Seminar course focuses on the different cultural stages of Hellenistic and Roman Pompeii (600 BC-79 AD). We will study the most important spaces of public and domestic life- the Forum, the main sanctuaries, the necropoleis, the town houses - in a diachronic perspective and interpret them as indicators of changing cultural, political and social affiliation.

[*History of Art and Architecture 140r. Family and Daily Life in Byzantium]

Catalog Number: 3681 Enrollment: Limited to 15.

Ioli Kalavrezou

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The course will focus on domestic life and environment in everyday Byzantine society. Course topics will examine the private as well as public life of the individual from childhood to adult



life, through artifacts from the household, as well as education, work, and other social contexts.

Note: Expected to be given in 2009–10.

History of Art and Architecture 141k. Rome, Constantinople, Ravenna in the Light of Imperial Rule - (New Course)

Catalog Number: 0268 Enrollment: Limited to 15.

Ioli Kalavrezou

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Will focus on the imperial art and architecture in these cities, from Constantine to Justinian.

History of Art and Architecture 143r (formerly *History of Art and Architecture 143m). The Art of the Court of Constantinople

Catalog Number: 4412

Ioli Kalavrezou

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Concentrates on art and architecture created for the court of Constantinople from the 9th to the 12th century. Focuses on objects and monuments, exploring their role in political, religious, and personal events.

[*History of Art and Architecture 146x. The Art of Devotion]

Catalog Number: 4493 Enrollment: Limited to 15.

Jeffrey F. Hamburger

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the proliferation of novel forms of devotional practice and devotional art (sculpture, icons, panel painting, manuscript illumination) from the 12th through 15th century. Issues addressed include differences between monastic and lay, male and female, and high and low piety. The course includes close reading of religious literature, in translation, including texts written by and for women. Includes visits to local libraries and museums. No prior knowledge of medieval art required.

Note: Expected to be given in 2010–11.

***History of Art and Architecture 149g. Casts, Construction and Commemoration: German Gothic in America and Abroad - (New Course)**

Catalog Number: 9633 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

German monumental sculpture from the 11th through 13th centuries in its broader European context using the cast collection in Adolphus Busch Hall.

History of Art and Architecture 151k. Italian Artists as Competitors, ca. 1300-1700 - (New Course)

Catalog Number: 3100 Enrollment: Limited to 15.

Frank Fehrenbach

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Artistic competitions, sometimes accompanied by deadly hostility among artists, played a central



role in early modern Italy. Examples include the famous competitions between Ghiberti and Brunelleschi; Leonardo and Michelangelo; Cellini and Bandinelli; Bernini and Borromini.

[History of Art and Architecture 152. Italian Renaissance Art]

Catalog Number: 9947

Frank Fehrenbach

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An overview of the major works, artists, regions, subjects, and functional contexts of painting and sculpture between c. 1400 and 1600, with an emphasis on the dynamics and developments within the period. Major topics include art theory, relationships between art and science, perspective, composition, animation, and style.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts B.

[History of Art and Architecture 152m. Leonardo da Vinci]

Catalog Number: 3017

Frank Fehrenbach

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

This course focuses on the main topics and developments in Leonardo's art, science, and technology, contextualizing him in the artistic, cultural and political realities of Renaissance Italy around 1500, but also in the history of appropriations from Vasari to Dan Brown. The inseparableness of art and science, but also the internal tensions of this relationship, make Leonardo's work particularly relevant for major trends in contemporary culture.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 153p. Le Corbusier and the Invention of Modernism]

Catalog Number: 4383 Enrollment: Limited to 18.

Alina A. Payne

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Investigates the architecture, painting, and texts of Le Corbusier against the background of competing claims for the invention of modernism in architecture.

Note: Expected to be given in 2009–10.

History of Art and Architecture 155p. Jan van Eyck and the Rise of Painting

Catalog Number: 4715

Hugo van der Velden

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

This course will examine the work of Jan van Eyck and his contribution to the rise of Netherlandish painting in the fifteenth century. Special attention will be paid to the role of oil painting in comparison to other artistic media, such as goldsmith's work, enamel, embroidery, tapestry; art theory and the awareness of tradition; self-reference and reflectivity in works of art; multiple audiences and layers of meaning; use and function; music and the visual arts.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.



History of Art and Architecture 159. Image and Text in 16th Century France

Catalog Number: 5699 Enrollment: Limited to 15.

Henri Zerner and Tom Conley

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Will examine the relation between visual and textual expression during the Renaissance in France, with emphasis on emblem books, and their impact on other genres.

***History of Art and Architecture 169v. The Spectator in Eighteenth-Century France - (New Course)**

Catalog Number: 9777 Enrollment: Limited to 15.

Pannill Camp

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The eighteenth-century French spectator surveyed the stage, but also visual art, natural phenomena, social life and political events. The spectator thus defines both a social practice and a set of observational techniques organized around a critical look, or "coup d'oeil," shaped by Enlightenment thought. We draw on sources including art criticism, aesthetics, philosophy, visual art, and histories of science, theater, and theater architecture to examine a stock type central to French urban life and culture.

***History of Art and Architecture 170g. The Grid**

Catalog Number: 9803 Enrollment: Limited to 10.

Neil Levine

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Examines one of the most fascinating and contested devices underlying the design of buildings, cities, and works of art in general. Important since antiquity, the grid has become, in the modern era, a characteristic and prevalent way to organize space and form. Examples to be studied will range from the Spanish Law of the Indies and the Jeffersonian Land Survey to the use of the grid by Wright, Le Corbusier, Mies, LeWitt, Eisenman, and others.

History of Art and Architecture 170r. Topics in 19th c. Art : Ingres - (New Course)

Catalog Number: 8207 Enrollment: Limited to 15.

Henri Zerner

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

***History of Art and Architecture 171x. Exoticism & Orientalism - (New Course)**

Catalog Number: 7006 Enrollment: Limited to 15.

Ewa Lajer-Burcharth

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores cultural and artistic engagement with the trope of the "other" in 18th and 19th century France. Different interpretive paradigms will be considered. Distinction between pre- and post-Napoleonic modes of curiosity emphasized. Artists will include: Watteau, Boucher, Liotard, Van Loo, Delacroix, Chasseriau, Gérôme, Renoir.

[*History of Art and Architecture 172k. Photography and Labor in the 19th Century]

Catalog Number: 2099 Enrollment: Limited to 12.

Robin E. Kelsey



Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

A consideration of the relationship between photography and labor from the Daguerreotype and Calotype to the first Kodak cameras. We will discuss issues of skill, art, social class, gender, industrialization, magic, and representation.

Note: Expected to be given in 2009–10.

[History of Art and Architecture 172w. American Art and Modernity, 1865–1965]

Catalog Number: 2227

Jennifer L. Roberts

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to developments in American art between the Civil War and the Cold War. Thematically focused lectures concentrate on such issues as the shifting status of the art object within an environment of proliferating consumer products, the incorporation of scientific and industrial processes into artistic practice, the continually renegotiated relationship between nationalism and abstraction, and new methods of understanding history and subjectivity in the face of urbanization, mechanized reproduction, and the mass media.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 173m. The Early Modern Artist]

Catalog Number: 7574 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the emergence of artistic individuality in French 18th-century art and culture. What was modern about the 18th-century artist? What were the criteria of artistic self-definition? Among the issues addressed: the cultural myth of the artist; artist vs. critic; artistic identity and the philosophical notions of the self; subjectivity, sexuality, and gender; the artist's touch; authorship; melancholia; eccentricity; the artist's body; fashion. Artists include: Watteau, Chardin, Fragonard, Vigée-Lebrun, David, Girodet. Museum trip(s).

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]

Catalog Number: 7251 Enrollment: Limited to 15.

Ewa Lajer-Burcharth

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the works of important European and American women artists from the 1950s to the present. Explores the ways of thinking about their art as a representation of difference understood as historically contingent cultural value rather than a natural or innate quality. Seeks less to pit male vs. female artist than to open up a discussion of the woman artist herself as a locus of difference(s) and of the diversity and difference among women's aesthetic productions.

Note: Expected to be given in 2009–10.

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

Catalog Number: 9158

Ewa Lajer-Burcharth



Half course (fall term). M., W., at 11. EXAM GROUP: 4

Functions and meanings of the body as privileged visual signifier in French visual arts (painting, sculpture, printed imagery, photography). Body image seen as both instrument of different discourses of modernity and a site of resistance to them. Among the issues addressed: the king's body, republican corporeality; the problem of the nude, bodily spectacles; race; otherness; androgyny; monstrosity; pornography; representations of hysteria; images of desire; fetishism; body and/in space; body and the self.

Note: Expected to be given in 2009–10.

[History of Art and Architecture 175k. American and European Art, 1945–1975]

Catalog Number: 6910

Benjamin Buchloh

Half course (fall term). M., W., at 11. EXAM GROUP: 4

This course will examine artistic production in the US and Europe between 1945 and 1975 to clarify some of the most crucial questions of this thirty year period: How did post war visual culture repress or acknowledge the recent 'caesura of civilization' brought about by World War II?; how did the neo-avantgarde position itself with regard to the legacies of the avantgardes of the 1920s?; how did artistic production situate itself in relation to the newly emerging apparatus of Mass Media culture?

Note: Expected to be given in 2009–10.

History of Art and Architecture 175w. Pop Art

Catalog Number: 2172 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

The emergence of Pop art in the 1950s and 1960s, focusing on its challenges to prevailing standards of painting, sculpture, and photography, as well as its multifaceted engagements with postwar spectacles of information and advertising.

History of Art and Architecture 175y. Visual Culture of Weimar Germany (1919-1937) - (New Course)

Catalog Number: 5473

Benjamin Buchloh

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

An account of the complex practices defining the avantgarde culture of Weimar Germany from the end of the empire to the beginning of fascism. Ranging from expressionism to Dadaism, from the Bauhaus to New Objectivity, particular emphasis will be given to the transition from painting to collage and photomontage, and to the new photographic culture in response to a rising massmedia culture.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

History of Art and Architecture 178m. Cold War Photography - (New Course)

Catalog Number: 8383 Enrollment: Limited to 15.

Robin E. Kelsey

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9



This course will consider the intersection of photography and social history from 1945-1989 through an examination of key photographic practices, publications, exhibitions, and critical texts.

History of Art and Architecture 180x. Visible Sound: Chinese Art of Pathos - (New Course)

Catalog Number: 3715

Eugene Wang

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

The course deals with a central question: why do Chinese history and art history give us different impressions? One is turbulent, the other largely peaceful. Were traditional Chinese artists indifferent to wars and unrests? If not, how did they register their strong emotions such as pathos through visual forms? How does the medium of ink painting and calligraphy convey pathos, which is arguably more amenable to sonic medium such as singing? Can images be vocal?

Note: No prerequisite of either Chinese language or art history.

History of Art and Architecture 181v. Art and Architecture of Ancient South Asia: Embellishing Empires and Adorning Divine Abodes - (New Course)

Catalog Number: 4956

Catherine Becker

Half course (spring term). M., W., at 11. EXAM GROUP: 4

From the great urban centers of the Indus Valley, to the earliest depictions of deities from the Hindu pantheon and from the aggrandizing pillars of the Emperor Acoka, to the more humble contributions of many individual donor's to the world's first Buddhist monuments, this course not only examines more than 4000 years of artistic production in South Asia but also considers how these material remains are imbued with new meanings by later interpreters.

History of Art and Architecture 183v. Mughal Imperial Architecture - (New Course)

Catalog Number: 2182

Ebba M. Koch

Half course (fall term). M., W., at 10. EXAM GROUP: 3

This course looks at Mughal architectural history within a cross-cultural perspective, it provides a view of the development of Mughal architecture explaining its main themes while addressing artistic interactions with other Islamic courts and Europe, as well as a contextual approach to Mughal court culture. It will be of interest both to Islamic majors and architectural historians working on European Renaissance and Baroque architecture.

[History of Art and Architecture 188j. Japanese Architecture]

Catalog Number: 6988

Yukio Lippit

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

A survey of the diverse architectural traditions of the Japanese archipelago from the prehistoric era through the twentieth century. Various building types—including the Shinto shrine, Buddhist temple, castle, teahouse, palace and farmhouse—will be studied through representative surviving examples. Issues to be explored include the basic principles of timber-frame engineering, the artisanal culture of master carpenters, and the mixed legacy of the functionalist interpretation of



Japanese architecture.

Note: Expected to be given in 2009–10.

History of Art and Architecture 194e. World Fairs: Art and Exposition - (New Course)

Catalog Number: 5687 Enrollment: Limited to 15.

Suzanne P. Blier

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This seminar addresses the larger question of cultural display as seen through the art and architecture of colonial and world fairs from the mid-19th to the mid-20th century Europe and the U.S., shaping issues of national identity, ethnicity, race, class, and gender.

[History of Art and Architecture 195e. Art and Colonialism] - (New Course)

Catalog Number: 8969 Enrollment: Limited to 15.

Suzanne P. Blier

Half course (spring term). Hours to be arranged.

text yet forthcoming

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 196. Contemporary Art in Africa]

Catalog Number: 8120 Enrollment: Limited to 15.

Suzanne P. Blier

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Major art movements in 20th-century Africa as well as critical issues which have framed related discussions will be treated. Painting, sculpture, photography, graphic arts, architecture, and performance traditions will be explored with an eye toward both their unique African contexts and the relationship of these traditions to contemporary art movements in a more global perspective.

Note: Expected to be given in 2009–10.

History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec

Catalog Number: 9976

Thomas B. F. Cummins

Half course (fall term). 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.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[History of Art and Architecture 197g. Colonial Art]

Catalog Number: 2623

Thomas B. F. Cummins

Half course (fall term). M., W., at 12. EXAM GROUP: 5



Art and Architecture of the 16th/17th c. in the Spanish New World.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 199g. Global Art: Comparative Approaches in Art History & Ethnography]

Catalog Number: 5255 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

The course explores art in global context, among those traditions in Africa, Oceania, and Native America, fields shared by both art history and anthropology. How does each discipline address local perspectives on art? Readings will be drawn from historical and more recent study. Issues addressed will be: approaches to field analysis, comparative perspectives, the role of history, artists, art markets, museums. Students will gain an understanding of the global art forms under consideration, and different disciplinary approaches, as well as questions important to the understanding of visual engagement.

Note: Expected to be given in 2009–10.

Primarily for Graduates

[*History of Art and Architecture 206. Science and the Practice of Art History]

Catalog Number: 6180 Enrollment: Limited to 12.

Henry W. Lie and staff

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Lectures, discussions, and artwork examinations are designed to equip the historian with critical and informed approaches to the range, uses, ambiguities, and instruments currently employed in the scientific, diagnostic investigation of artworks.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 223x. Islamic Palaces, Pavilions and Gardens]

Catalog Number: 4156 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Studies palaces, villas and landscape architecture with reference to late antique and ancient Near Eastern prototypes, and contemporary parallels in non-Islamic courts. Court rituals, uses of the past, discourses of power and pleasure emphasized.

Note: Expected to be given in 2009–10. Offered jointly with the Graduate School of Design.

[*History of Art and Architecture 226e. Cross-Cultural Artistic Exchanges: Islamic and European Courts]

Catalog Number: 4723 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (fall term). Th., 3–6. EXAM GROUP: 17, 18

The seminar explores artistic exchanges between Islamic and European courts, 14th through 18th centuries, and representations of the East in Western images. Particular focus on visual hybridity in Spain, Turkey, Iran and India.

Note: Expected to be given in 2009–10.



[*History of Art and Architecture 229p. Word and Image in Persian Painting]

Catalog Number: 2342 Enrollment: Limited to 12.

David J. Roxburgh

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Texts of the Persian literary tradition that were illustrated constitute our focus, including Firdawsi's *Shahnama* and Nizami's *Khamsa*. Study of word and image is staged through key examples to open new lines of inquiry.

Note: Expected to be given in 2010–11.

History of Art and Architecture 235g. The Roman House as Enlivened Space - (New Course)

Catalog Number: 4809 Enrollment: Limited to 12.

Ruth Bielfeldt

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Seminar addresses the culture of enlivenment in the late Republican/Early Imperial Campanian House, manifest in the figural and floral decoration of furniture and household objects, in statuary, and illusionistic wall paintings of garden landscapes and animate architecture.

***History of Art and Architecture 240r. Topics in Byzantine Art : Manuscripts**

Catalog Number: 4109 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Manuscripts: Their Role and Place at the Byzantine Court.

[*History of Art and Architecture 241r. Topics in Early Christian Art: Art and Politics in Late Antiquity]

Catalog Number: 7968 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

With the emergence of a new religion, far-reaching transformations took place in the Greco-Roman world, which set the traditions of western culture and society for the art of the Middle ages and beyond.

Note: Expected to be given in 2009–10.

***History of Art and Architecture 242. Issues of Interpretation in Medieval Art**

Catalog Number: 7561 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

A wide-ranging introduction to critical approaches to the study of medieval art, with emphasis on systems of signification, mixing historiography and methodology in a workshop format in which students help set the agenda.

[*History of Art and Architecture 243n. Hieronymus Bosch]

Catalog Number: 6718 Enrollment: Limited to 12.

Joseph Koerner

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7



A painter of hatred, Bosch launched a never-ending war over what his pictures mean. This course studies the artist's oeuvre and the responses and controversies it elicited in light of Bosch's own fugitive distinction of friend from foe.

Note: Expected to be given in 2009–10.

History of Art and Architecture 252k. The Age of Albrecht Durer - (New Course)

Catalog Number: 3305 Enrollment: Limited to 12.

Joseph Koerner

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Considers new directions in research on German Renaissance art with special emphasis on the question of "style".

***History of Art and Architecture 252y. Pieter Bruegel**

Catalog Number: 0275 Enrollment: Limited to 12.

Hugo van der Velden

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

Seminar will focus on interpretation, and address topics like puns, proverbs and popular culture; canvas and panel painting; the Netherlandish tradition; humanist wit and burlesque humor; art and iconoclasm; and a very severe winter.

***History of Art and Architecture 254g. Gianlorenzo Bernini and the Space of Sculpture - (New Course)**

Catalog Number: 6596 Enrollment: Limited to 12.

Frank Fehrenbach

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Bernini's, "dream of the moving statue" (K. Gross) and his goal to, "bend marble like wax"; transformations of (urban, religious, domestic) space in the Baroque master's radiant sculptures.

[*History of Art and Architecture 254p. The Invention of the Portrait]

Catalog Number: 6845 Enrollment: Limited to 12.

Frank Fehrenbach

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Major moments of an enigmatic genre, from 13th century tomb sculpture to late 16th century experiments. Key concepts include similitude versus animation, gender, materiality, agency.

Note: Expected to be given in 2009–10. Open to graduate and advanced undergraduate students; with excursion.

[*History of Art and Architecture 256g. Order and Disorder in Renaissance Architecture]

Catalog Number: 6638 Enrollment: Limited to 12.

Alina A. Payne

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

The effects of the heterogeneous "disordered" materials/media surviving from antiquity (words, fragments, painting, architectural representations on coins, plaquettes, reliefs, gems, vessels) on Renaissance architecture design.

Note: Expected to be given in 2009–10.



[*History of Art and Architecture 256m. Alberti's Renaissance]

Catalog Number: 3538 Enrollment: Limited to 12.

Alina A. Payne and Frank Fehrenbach

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Explores Leon Battista Alberti's multifaceted oeuvre with particular emphasis on the artistic and theoretical problems he posed before the artists of his time and subsequent generations.

Note: Expected to be given in 2009–10.

**[*History of Art and Architecture 257r (formerly *History of Art and Architecture 257n).
The Medieval Treasury]**

Catalog Number: 9439 Enrollment: Limited to 12.

Hugo van der Velden

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

Explores the function, constitution, significance and interpretation of the late medieval treasure, with special attention to the courts of France, Burgundy, Berry, etc., the Avignon papal court, and churches like St. Denis and Ste. Chapelle.

Note: Expected to be given in 2009–10.

History of Art and Architecture 263m. Moving Statues, Breathing Images - Enlivening and animation in Italian Renaissance and Baroque Art - (New Course)

Catalog Number: 5014 Enrollment: Limited to 12.

Frank Fehrenbach

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Enlivening was arguably the most famous topos in Early Modern art. We inquire of its implications in form, art theory, and history of science. Key terms include: movement, color, composition, opacity, gaze; Genesis, Pygmalion, Medusa, Narcissus.

***History of Art and Architecture 270m. The Ethnographic Imagination - (New Course)**

Catalog Number: 7797 Enrollment: Limited to 12.

Ewa Lajer-Burcharth and Christie McDonald

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Focuses on social, artistic and literary images of otherness in the French Enlightenment. Making the foreign familiar, an ethnographic imaginary developed, key to self-reflection and critique.

Writers and artists include Diderot, Montesquieu, Rousseau, Watteau, Boucher, Vien.

***History of Art and Architecture 270p. Paris and the Idea of the Modern City**

Catalog Number: 9012 Enrollment: Limited to 10.

Neil Levine and Antoine Picon (Design School)

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Examines the critical role Paris has played in the birth and development of the idea of the modern city as seen through the multiple perspectives of architecture, art, culture, urban design, and technology.

Note: Offered jointly with the Graduate School of Design as 4409.

[*History of Art and Architecture 270r. Topics in 19th-Century Art]

Catalog Number: 7958 Enrollment: Limited to 12.



Henri Zerner

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Theme this year is: "Imitation, Copy, Reproduction" -Centered on graphic arts, but also considering "multiples" and semi-industrial or industrial production of ornament, etc.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 271m. Architecture, Display, and Mass Culture in 19th/20th c.]

Catalog Number: 2560 Enrollment: Limited to 10.

Alina A. Payne

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the redefinition of architecture at the turn of the 19th/20th century in both practice and theory in the context of the museum/exhibition movement and the rise of historical (archaeology, art history) and man-based sciences (anthropology, ethnology, psychology).

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 271x. The Origins of Modernity: The “New” 18th Century]

Catalog Number: 1598 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Issues include: art and the public sphere; the birth of the critic; high & low; interiors and interiority; intimacy; artistic identity; sexuality, sexual difference, and gender; the discourse of race. Emphasis on new research and methodologies.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 272n. Space and Subjectivity in the Modern Period (18th - 20th century)]

Catalog Number: 8846 Enrollment: Limited to 12.

Ewa Lajer-Burcharth and Antoine Picon (Design School)

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Examines the relation between architectural space, real and imagined, and the constructions of the self from the 18th century to the present. Issues of interiority, dwelling, sexuality, narcissism, voyeurism, ornament, and technology will be considered.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 272w. Post WW II European Art: France, Italy, Germany]

Catalog Number: 6119 Enrollment: Limited to 15.

Benjamin Buchloh

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Addresses the work of key figures of post-war European art, under the perspective of different, yet complementary conflicts: avantgarde and neo-avantgarde, artistic practices and spectacle culture, aesthetics of repression, trauma and commemoration.

Note: Expected to be given in 2009–10.



[*History of Art and Architecture 272z. Post WW II European Art (Part II)]

Catalog Number: 6513 Enrollment: Limited to 12.

Benjamin Buchloh

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This term: Great Britain, Scandinavia, Austria, and the Benelux countries. Addresses the artistic responses to the legacies of Surrealism, to American mass culture, and to the impact of Fascist domination.

Note: Expected to be given in 2009–10.

***History of Art and Architecture 275w. The Thing**

Catalog Number: 8955 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Investigates the conundrum of "thingness" in art history, introducing theoretical frameworks for interpreting everything from teapots to minimal sculpture. Interrogates forms of exchange - economic, libidinal, aesthetic, historical- that objects invite (or refuse).

History of Art and Architecture 275x. Aesthetic Theories from Weimar to the Post War Frankfurt School - (New Course)

Catalog Number: 1977 Enrollment: Limited to 12.

Benjamin Buchloh

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

The seminar addresses the major texts of aesthetic theory as they were formulated by Georg Lukacs, Ernst Bloch, Siegfried Kracauer, Walter Benjamin, Theodor Adorno, Max Horkheimer and Herbert Marcuse between 1919 and 1968.

***History of Art and Architecture 277s. Circa 1970**

Catalog Number: 2286 Enrollment: Limited to 12.

Carrie Lambert-Beatty

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Investigation of US artistic production and discourse from the early 1970s, with emphasis on the rubric of the "politicization of the avant-garde" and the periodization of the 60s and 70s.

Comparative looks at Europe and Latin America.

[*History of Art and Architecture 278x. Chance in Photography]

Catalog Number: 4081 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Writers and practitioners from William Henry Fox Talbot to Jeff Wall have acknowledged and interpreted the strange traffic between photography and chance. This seminar will ponder and discuss this traffic's history.

Note: Expected to be given in 2009–10.

[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 relation between art and self in its modern configurations. How art contributes to the formation of subjectivity? The place of the image within cultural discourse, and the work of art as representation of the artist.

Note: Expected to be given in 2009–10.

History of Art and Architecture 279. Semiotics of Art

Catalog Number: 3644 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

A fresh consideration of semiotic analysis in the study of the visual arts. Readings will include canonical writing on semiotics (e.g., Peirce, Saussure, Jakobson) and on the semiotics of art (e.g., Schapiro, Damisch, Mukarovsky, Krauss).

[History of Art and Architecture 279k. Seeing Spectatorship]

Catalog Number: 7691 Enrollment: Limited to 10.

Carrie Lambert-Beatty

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

What happens when attention shifts from art object to viewer? When, why, and how does this occur? Graduate seminar mapping recent reception-oriented approaches in art as well as art history, literary, film, and cultural studies.

Note: Expected to be given in 2009–10.

***History of Art and Architecture 283v. Chinese Art as Ritual - (New Course)**

Catalog Number: 9584 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Focus is on art as instead of in ritual. Explores how ritual processes or procedural thinking governs the organization of images. Close examination of visual programs in early tombs, Buddhist caves, and Daoist temples.

History of Art and Architecture 285v. The Complete Taj Mahal - (New Course)

Catalog Number: 6801 Enrollment: Limited to 12.

Ebba M. Koch

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

The seminar provides an in depth discussion of one of the most famous buildings in the world, of its historical setting, urban context, construction, architecture, symbolism and reception in the West.

[*History of Art and Architecture 286p. The Poem-Picture Scroll]

Catalog Number: 6580 Enrollment: Limited to 10.

Yukio Lippit

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

This seminar closely examines the genre of the poem-picture scroll (shigajiku) in medieval Japan. Extant works will be studied within the context of literary and painting practices of the



time, Zen monastic institutions, the cultural salons of Kyoto, and interregional diplomatic exchange.

Note: Expected to be given in 2009–10. Reading knowledge of Japanese or Chinese required.

[*History of Art and Architecture 288n. The Kano School]

Catalog Number: 1578 Enrollment: Limited to 12.

Yukio Lippit

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

This seminar examines the ways in which Kano painters amalgamated disparate Japanese painting traditions to achieve a neutral, flexible, and highly influential mode of pictorial representation by the mid seventeenth century.

Note: Expected to be given in 2009–10.

[*History of Art and Architecture 292p. Topics in Pre-Columbian Andean Art in the Peabody Museum]

Catalog Number: 1832 Enrollment: Limited to 12.

Thomas B. F. Cummins

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Studies of the Collection.

Note: Expected to be given in 2009–10.

Cross-listed Courses

[**African and African American Studies 174. The African City**](#)

[**Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200-300 BCE**](#)

[**Classical Archaeology 155. Portraiture in the Ancient World**](#)

[**Classical Archaeology 161. Arts of the Eurasian Steppes and their European Successors - \(New Course\)**](#)

[**\[*History 81e \(formerly *History 1443\). Peter Paul Rubens \(1577-1640\), Scholar, Diplomat, Artist\]**](#)

[***History 84c \(formerly *History 1610\). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America**](#)

[**Japanese Literature 133 \(formerly Japanese Literature 250r\). Gender and Japanese Art Literature and Arts B-21. The Images of Alexander the Great**](#)

[**\[Literature and Arts B-23. The Japanese Woodblock Print\]**](#)

[**Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction**](#)

[**\[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court\]**](#)

[**Literature and Arts B-49. Modernisms 1865–1968**](#)

[**\[Visual and Environmental Studies 100b \(formerly 193\). Introduction to Video Art: Art in Media Culture\]**](#)

[**Visual and Environmental Studies 103. A Short History of Q - \(New Course\)**](#)

[***Visual and Environmental Studies 104. Culture Jam: Art and Activism since 1989: Seminar**](#)

[**Visual and Environmental Studies 145. Archive Fever: Studio Course - \(New Course\)**](#)

[**\[Visual and Environmental Studies 180. Film, Modernity and Visual Culture\]**](#)



[Visual and Environmental Studies 181. Frames of Mind: Film Theory](#)

[*Visual and Environmental Studies 182. Film Architectures: Seminar](#)

[Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts](#)

[*Visual and Environmental Studies 185x. Visual Fabrics: Film, Fashion and Material Culture: Seminar](#)

Graduate Courses of Reading and Research

***History of Art and Architecture 300. Reading and Research**

Catalog Number: 5716

Suzanne P. Blier 3472, Benjamin Buchloh 5325, Joseph Connors 1080, Harry A. Cooper 1728, Thomas B. F. Cummins 3568, Frank Fehrenbach 5013, Jeffrey F. Hamburger 3800, Ioli Kalavrezou 2242, Deborah Martin Kao 3345, Robin E. Kelsey 4132, Ewa Lajer-Burcharth 3373, Carrie Lambert-Beatty 5283, Neil Levine 4178, Henry W. Lie 2575, Yukio Lippit 4713, Carol C. Mancusi-Ungaro 4406, David G. Mitten 1290, Robert D. Mowry 1958, Gülru Necipoglu-Kafadar 1688, Peter Nisbet 1738, Alina A. Payne 4605, Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407, Betsey A. Robinson 4361, William W. Robinson 2239, David J. Roxburgh 2138, Rabun Taylor 4253, Eugene Wang 3600, Irene J. Winter 1955, Stephan S. Wolohojian 2756, Henri Zerner 3792, and Hugo van der Velden 4767

Individual work in preparation for the General Examination for the PhD degree or, by arrangement, on special topics not included in the announced course offerings.

***History of Art and Architecture 310. Methods and Theory of Art History**

Catalog Number: 7879 Enrollment: Limited to 14.

Hugo van der Velden 4767

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Note: Limited to incoming graduate students.

***History of Art and Architecture 399. Direction of Doctoral Dissertations**

Catalog Number: 6575

Ruth Bielfeldt 5682, Suzanne P. Blier 3472, Benjamin Buchloh 5325, Thomas B. F. Cummins 3568, Frank Fehrenbach 5013, Jeffrey F. Hamburger 3800, Ioli Kalavrezou 2242, Robin E. Kelsey 4132, Joseph Koerner 1954, Ewa Lajer-Burcharth 3373, Carrie Lambert-Beatty 5283 (on leave spring term), Neil Levine 4178, Yukio Lippit 4713 (on leave 2008-09), David G. Mitten 1290 (on leave spring term), Gülru Necipoglu-Kafadar 1688 (on leave 2008-09), Alina A. Payne 4605 (on leave 2008-09), Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407, David J. Roxburgh 2138, Eugene Wang 3600, Irene J. Winter 1955, Henri Zerner 3792, and Hugo van der Velden 4767

Note: May not be counted toward course requirements for the PhD degree.



History of Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the History of Science

Anne Harrington, Professor of the History of Science, Harvard College Professor (*Chair*)
Stefan Andriopoulos, Visiting Associate Professor of the History of Science (*Columbia University*) (*spring term only*)
Mario Biagioli, Professor of the History of Science
Allan M. Brandt, Amalie Moses Kass Professor of the History of Medicine in the Faculty of Medicine, and Professor of the History of Science in the Faculty of Arts and Sciences, Dean of the Graduate School of Arts and Sciences
Janet Browne, Aramont Professor of the History of Science
Jimena Canales, Assistant Professor of the History of Science (*on leave 2008-09*)
Marwa S. Elshakry, Associate Professor of the History of Science (*on leave fall term*)
Peter L. Galison, Joseph Pellegrino University Professor
Lisa Gitelman, Visiting Associate Professor of the History of Science (*New York University*)
Jeremy Alan Greene, Assistant Professor of the History of Science
Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies, Dean of Harvard College
Sarah Jansen, Associate Professor of the History of Science
Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
Andrew Lakoff, Visiting Associate Professor of the History of Science and of Social Studies (*University of California, San Diego*)
Rebecca M. Lemov, Assistant Professor of the History of Science
Helene L. Miale, Visiting Assistant Professor of the History of Science (*University of California, Berkeley*) (*spring term only*)
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 (*on leave 2008-09*)
Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences (*Director of Graduate Studies*)
Steven Shapin, Franklin L. Ford Professor of the History of Science (*Director of Undergraduate Studies*)
Stefan Sperling, Lecturer on the History of Science (*fall term only*)
Adelheid Voskuhl, Assistant Professor of the History of Science (*on leave 2008-09*)

Other Faculty Offering Instruction in the Department of the History of Science

Owen Gingerich, Professor of Astronomy and of the History of Science, Emeritus
Peter Godfrey-Smith, Professor of Philosophy
Erwin N. Hiebert, Professor of the History of Science, *Emeritus*
Gerald Holton, Mallinckrodt Research Professor of Physics and Research Professor of the History of Science
Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies (*Kennedy School*)



Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*)

Everett I. Mendelsohn, Professor of the History of Science, Emeritus, Temporary Academic

Martha L. Minow, William Henry Bloomberg Professor of Law (*Law School*)

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking, Contin Ed/Spec Prog Instructor

Antoine Picon, Professor of the History of Architecture and Technology (*Design School*)

Barbara Gutmann Rosenkrantz, Professor of the History of Science, *Emerita*

A. I. Sabra, Professor of the History of Arabic Science, Emeritus

The Department of the History of Science oversees the undergraduate concentration in History and Science and provides the degree of AM and PhD to properly qualified graduate students. The Department also offers instruction in the history of science to students in other fields.

Primarily for Undergraduates

***History of Science 91r. Supervised Reading and Research**

Catalog Number: 1238

Steven Shapin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Programs of directed reading and research to be conducted by a person approved by the Department.

[*History of Science 96. Academic Internship in History and Health Policy]

Catalog Number: 5204

Steven Shapin and members of the Department

Half course (spring term). Hours to be arranged.

An opportunity to apply the methods and ideas of the history of health and medicine to understand the practical problems that have framed health policy in 20th-century America, and vice-versa, emphasizing the ways in which transformations in the epistemological and structural foundations of medical care have interacted with the broader public policy: the effects of the market upon standards of care; the rise of the clinical trial and Evidence-Based Medicine; and health-care reform.

Note: Expected to be given in 2009–10. Students are expected to produce substantial research papers based on their classwork and field placements, which are typically arranged with institutions in the Boston area.

***History of Science 97. Tutorial — Sophomore Year**

Catalog Number: 5235

Janet Browne

Half course (spring term). M., 4-5:00pm, and a weekly section to be arranged.

This introductory term of sophomore tutorial focuses on four or five key moments in the history of science, technology and medicine. We will explore how research, reading, and writing are done in this field. There will be opportunities to visit our Collection of Historic Scientific Instruments and to engage with historic documents.

Note: Required for undergraduate concentration in History and Science.



***History of Science 98 (formerly *History of Science 98r). Tutorial — Junior Year**

Catalog Number: 1120

Anne Harrington

Half course (fall term; repeated spring term). Hours to be arranged.

This half of the junior year is a research-oriented tutorial taken in small groups. Focuses on enhancing research and writing skills through the completion a directed research paper on subject matter of the student's interest.

***History of Science 99. Tutorial — Senior Year**

Catalog Number: 6619

Sarah Jansen

Full course. Hours to be arranged.

Faculty-led seminar and intensive work with an individual advisor, directed towards production of the senior honors thesis.

Note: Ordinarily taken by seniors as a full course. May be taken as a half course only if special permission is obtained. Students are expected to complete a thesis or submit a research paper or other approved project in order to receive course credit.

Cross-listed Courses

Culture and Belief 11. Medicine and the Body in East Asia and in Europe - (New Course)

Environmental Science and Public Policy 78. Environmental Politics

Historical Study A-27. Reason and Faith in the West

[Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry]

[Historical Study B-45. The Darwinian Revolution]

[*History 83b (formerly *History 1472). Historical Ontology]

Science A-41. The Einstein Revolution

For Undergraduates and Graduates

History of Science 100. Knowing the World: An Introduction to the History of Science

Catalog Number: 0905

Steven Shapin and Marwa S. Elshakry

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Science is modernity's most authoritative way of knowing the world, both natural and social. We explore how science acquired such authority; how it was distinguished from such other ways of knowing as religion, art, and history; and what different forms scientific inquiry took over time. These questions are approached through a broad chronological survey of the history of science, including the physical, life, and human sciences, from the Middle Ages to the present.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History of Science 106. History of Ancient Science]

Catalog Number: 3958

John E. Murdoch

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4



An examination of key aspects and issues in the development of ancient science, focusing on natural philosophy from the Presocratics to Aristotle as well as its relation to early Greek medicine and mathematics. Some consideration will also be given to the historiography of natural philosophy within this period.

Note: Expected to be given in 2009–10.

[History of Science 107. History of Medieval Science]

Catalog Number: 5071

John E. Murdoch

Half course (fall term). Hours to be arranged.

A study of the scope and nature of scientific thought in the Latin Middle Ages, with emphasis upon the relation of that thought to other aspects of medieval culture, in particular, religion, philosophy, and the universities.

Note: Expected to be given in 2009–10.

History of Science 109. History of Science and Culture in the Middle East - (New Course)

Catalog Number: 9116

Ahmed Ragab

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course tackles different issues related to history of science, philosophy and culture in the medieval and early modern Middle East. In this framework, the course explores different subjects and aspects of the medieval and early modern history, including social, economic and political background, production and circulation of knowledge and technology and the development of philosophy and thought. The course discusses the most important intellectual, scientific and philosophical debates during the Middle Ages.

[History of Science 112. Health, Medicine and Healing in Medieval and Renaissance Europe]

Catalog Number: 8576

Katharine Park

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

A survey of medical theory, organization, and practice in the context of other forms of contemporary healing, notably magical and religious. Topics include the gendering of healing and the body, the rise of hospitals and related institutions, and responses to "new" diseases such as syphilis and plague.

Note: Expected to be given in 2009–10.

History of Science 117. Science, Philosophy, and Religion in Late Antiquity and the Middle Ages - (New Course)

Catalog Number: 9172

John E. Murdoch

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Consideration of how science and natural philosophy found itself both opposed to and used by Christian, Judaic, and Islamic religious traditions and, as a crucial test case, how these traditions handled the divide between creation and the eternal world.



[History of Science 120. History and Philosophy of Modern Physics]

Catalog Number: 5116

Peter L. Galison

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Philosophical questions raised by historical developments in 20th- and 21st-century physics, and conversely, historical-scientific questions raised by philosophical inquiry. Special and general relativity. Issues in quantum mechanics surrounding causality, determinism, realism, and probabilism. Atomic and thermonuclear weapons. Growth of large-scale experimental high-energy physics. What is meant by "unified" field theories? Is a reductionist theory of nature possible? Rise of string theory and nanosciences. Readings: scientific, historical, and philosophical texts.

Note: Expected to be given in 2009–10. Cannot be taken for credit by students who have already taken Physics 120.

[History of Science 126. The Matter of Fact: Physics in the Modern Age: Conference Course]

Catalog Number: 5319 Enrollment: Limited to 15.

Jimena Canales

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

What is a scientific fact? What is a physical law? How are scientific facts and laws discovered, established, and, sometimes, overturned? These questions will be addressed by exploring important episodes in the history of the physical sciences from the Industrial Revolution to Modern Physics. Topics include: engineering, astronomy, thermodynamics, electromagnetism, radioactivity, and relativity.

Note: Expected to be given in 2009–10.

[History of Science 131. History of Biology]

Catalog Number: 3073

Janet Browne

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to the ways in which animals and plants have been examined, discussed and used from around 1650 to 1950. The course covers specimen collecting, classification, exploration, botanic gardens, museums, zoos and pets, plants as commodities, the environmental sciences, and the rise of laboratory biology. Visits to the Collection of Historical Scientific Instruments, the Museum of Comparative Zoology, and local laboratories will be arranged.

Note: Expected to be given in 2009–10.

History of Science 132. Environmental History

Catalog Number: 8673

Sarah Jansen

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Environmental sciences, politics, and policies in a global context. Topics to be covered: Pristine nature; built environments; managed forests, agriculture, biodiversity, population and environment in postcolonial contexts; the seas, GM organisms, global warming, environmental risk assessment, and narratives of nature. Course materials include films, novels, and policy papers, as well as scientific and other academic papers.



[History of Science 134. Nature on Display: Conference Course]

Catalog Number: 4987 Enrollment: Limited to 15.

Janet Browne

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores the natural history tradition in Europe and the Americas, focusing on the cultural meanings of the practice of collecting specimens, exploration, museums displays and working the field and research stations from the 18th to 20th century.

Note: Expected to be given in 2009–10.

History of Science 137. Dogs and How We Know Them - (New Course)

Catalog Number: 3047

Sarah Jansen

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the history of dogs and how we conceptualized (wo)man's best friend over time. Topics include the origins of dogs and the nature of domestication, breeding and dog breeds, mad dogs and rabies, learning theories and training methods, unwanted dogs and the humane movement, dogs as veterinary patients, dogs as experimental systems, dog emotion and social behavior, working and companion dogs, dogs as symbols, dog genomics.

History of Science 140. Disease and Society

Catalog Number: 4471

Charles E. Rosenberg

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

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. The Social Life of Pharmaceuticals - (New Course)

Catalog Number: 8890

Jeremy Alan Greene

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The evolution of the modern pharmaceutical industry over the long twentieth century--from its early intersection with the image and later the structure of scientific research, to its dramatic post-WWII expansion and late-century saturation of medical and marketing media--is tightly intertwined with broader social, cultural, economic, and political developments. This conference course engages primary and secondary works in the history and anthropology of pharmaceuticals to situation the prescription drug as cultural artifact.

History of Science 143. Medicine, Ethics, and Culture - (New Course)

Catalog Number: 9222 Enrollment: Limited to 15.

Stefan Sperling

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Bioethics claims to speak for universal ethical norms and values; it operates with socially and culturally specific images of human nature, rational action, legal personhood, and the "good life." This course investigates the extent to which bioethics is culturally and historically contingent, it



studies how moral and ethical judgments are arrived at communally, and it explores the sources and validity of moral ideas and convictions.

History of Science 144v. Rethinking the Object - (New Course)

Catalog Number: 4144

Helene L. Mialet

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

In this class, we will examine the role that non-humans (i.e., voting machines, bridges, stages, walls, notebooks, buildings, blogs, images, shopping carts, brains, wolves, gods, etc.) play in making our social/cultural/political world. In particular, we will investigate the implications of taking the role of non-humans seriously for the study of cognition, subjectivity, politics, history and religion. This class will be based on a thorough analysis of Actor-Network Theory.

[*History of Science 145 (formerly *History of Science 90m). Medicine and Deviance: Conference Course]

Catalog Number: 2795 Enrollment: Limited to 15.

Charles E. Rosenberg

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Sociologists and historians have described what they call the medicalization of deviance: explaining certain behaviors as the consequences of disease rather than culpable choice. I refer to a variety of behaviors ranging from homosexuality to substance abuse, from chronic fatigue syndrome to premenstrual syndrome. This course will focus on the interrelated legal, medical, policy, and professional history of such problematic “diseases” during the past century and a half.

Note: Expected to be given in 2009–10.

History of Science 150. History of Social Science - (New Course)

Catalog Number: 0135

Rebecca M. Lemov

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Examination of the growth and development of social sciences such as sociology, anthropology, psychoanalysis, psychology, political science, and economics from the Enlightenment to the present. Innovators devised these fields to provide new, scientific ways to gain insight into age-old philosophical and religious questions, such as, What is the nature of the “self” or the “soul”? What binds human beings to one another? What is free will? What are the limits of social control, behavioral engineering, and the possible reach of techniques for adjustment and manipulation?

***History of Science 152. Filming Science - (New Course)**

Catalog Number: 8254

Peter L. Galison and Robb Moss

Half course (fall term). M., W., 12–3. EXAM GROUP: 5, 6, 7

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.



History of Science 153. History of Dietetics

Catalog Number: 1409

Steven Shapin

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A survey of the relationships between medical expertise and human eating habits from Antiquity to the present, giving special attention to the links between practical and moral concerns and between expert knowledge and common sense.

***History of Science 154. Science and Business in Modern America**

Catalog Number: 7942 Enrollment: Limited to 25.

Steven Shapin

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

A survey of the relationships between the practice of science and the world of commerce in the United States since the beginning of the 20th century. Topics covered include the conduct and image of science in academia and industry, ideas about the connections between science and technology, and the development and understanding of entrepreneurial science.

[History of Science 156. Science and the 'Third World'] - (New Course)

Catalog Number: 8457

Marwa S. Elshakry

Half course (spring term). M., 12–2. EXAM GROUP: 5, 6

This course will examine the role of scientific expertise and technological systems in the rise of the so-called 'third world'. It begins with the colonial welfare and development policies of the 1930s and continues through the era of decolonization and the Cold War to the present. It will cover such themes as: agricultural development and trade; nuclear deployment and testing; and the rise of biotechnology and the global pharmaceutical industry.

Note: Expected to be given in 2009–10. Aimed for upper-level undergraduates.

History of Science 156v. Science and Risk - (New Course)

Catalog Number: 7181

Andrew Lakoff

Half course (spring term). W., 4–6. EXAM GROUP: 9

Scientific attempts to calculate and manage risk have increasingly become sites of political and epistemic controversy - for example in debates over climate change, food and drug safety, bioweapons, or nuclear energy. A number of historians and social analysts have placed the problematic of risk at the center of their research agendas. In this course we will look at recent empirical and theoretical approaches to the social analysis of risk.

[History of Science 157. Sociological Topics in the History of Science]

Catalog Number: 2434

Steven Shapin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to a series of sociological topics concerning the scientific role, the scientific community, and scientific knowledge that are of special interest to historians. What are the social conditions for the institutionalization of science and for the support of the scientific role? What are the possibilities for a historical sociology of scientific knowledge? What social pressures



have historically been exerted on our overall understanding of science and its relations with society?

Note: Expected to be given in 2009–10.

[History of Science 158. Darwinism: A Global History: Conference Course]

Catalog Number: 4549

Marwa S. Elshakry

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examines the impact of Darwin's ideas across languages, cultures and disciplines from the mid-19th century until WWII. Covering a range of examples from the US, Europe, the Ottoman Empire, Japan, and Russia, we will explore topics including: social Darwinism; eugenics and scientific racism; materialism and socialism; religion and rationality; war and the competition between nations.

Note: Expected to be given in 2009–10.

History of Science 159v. Science and Society - (New Course)

Catalog Number: 6390

Andrew Lakoff

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

In such fields as health, the environment, and law, we rely on scientific expertise to help us distinguish truth from lie, to measure risk, to treat our ills. In this context, it is crucial to know how such knowledge is produced, disseminated, and arbitrated. This course focuses on areas of controversy such as genetically modified foods, intellectual property, global warming, and new reproductive technologies in order to understand the complex relationship between science and society.

History of Science 160. Intellectual Property in Science

Catalog Number: 8570

Mario Biagioli

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

We examine different forms of credit for scientific and technological innovation, comparing publication credit in science and use of patents to protect technoscientific work. Readings range from history of technoscience to legal and literary studies.

History of Science 161. The Scientific Revolution

Catalog Number: 2868

Mario Biagioli

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the interrelated transformations in 16th- and 17th-century astronomy, cosmography, mathematics, medicine, and natural history. Places works of Copernicus, Kepler, Galileo, Newton, Descartes in the context of the scientific traditions of ancient Greece and medieval Islam as revived by Renaissance humanists. Analyzes recent historiographical criticisms of the Scientific Revolution as "grand narrative" versus the particularism of micro-history. Adopts contemporary divisions of knowledge and differentiates concepts, practices, and rates of change within each scientific field as alternative interpretation.



Note: This course, when taken for a letter grade, meets the Core requirement for Historical Study B.

[History of Science 162. Science in the Enlightenment]

Catalog Number: 7570

Adelheid Voskuhl

Half course (spring term). Hours to be arranged.

Explores practices of scientific theory, experimentation and observation in Europe and North America, 1681–1815. Topics include: Chemistry, Electricity, Astronomy, Mathematics, Natural History, Newtonianism, Science and the Public Sphere, Science and the State, Science and Rationality, Science and Utility, and Science and the Industrial Revolution.

Note: Expected to be given in 2009–10.

[History of Science 163. Imagined Worlds: Utopia in the Age of the Scientific Revolution and Beyond: Conference Course] - (New Course)

Catalog Number: 5095 Enrollment: Limited to 15.

Katharine Park

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores the relationship between the "new science" of thinkers such as Copernicus, Bacon, Galileo, and Descartes and the new worlds imagined by writers such as More, Shakespeare, Cavendish, and Swift. The course is expected to make use of the online virtual world Second Life.

Note: Expected to be given in 2009–10.

Prerequisite: History of Science 100, History of Science 161, or another course on the Scientific Revolution.

History of Science 170. Science and the Occult - (New Course)

Catalog Number: 7225

Stefan Andriopoulos

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This seminar investigates interrelations and differentiations among science and spiritualism from 1800 to the present. In addition to analyzing the boundary work that goes into demarcating science from the occult, we will also pay attention to the constitutive role of media (the magic lantern, photography, wireless telegraphy) in visualizing and communicating with occult spheres. Specific topics include: the mind-body problem and spiritual apparitions around 1800; mesmerism; the "objectivity" of spirit photography; telepath and parapsychology.

***History of Science 171. Narrative and Neurology**

Catalog Number: 3222

Anne Harrington

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

An exploration of the complex relationship between the making of brain science and the human stories/experiences of brain damaged people. Topics include iconic cases of brain damage like Phineas Gage and H.M (and who speaks for them), the emergence and historical function of neurological case histories, the study of brain-damaged soldiers in WWI, the "neurological



novels" of Alexandr Luria, the popular writings of Oliver Sacks, the brain-injured patient as author, and internet-based writings celebrating "neurodiversity."

[History of Science 172. Managing the Mind]

Catalog Number: 1216

Charles E. Rosenberg

Half course (spring term). Th., 2–4.

Focuses on efforts to prevent, cure, and manage emotional and behavioral ills. The readings and discussion examine relationships between law and medicine, efforts to prevent mental illness ("mental hygiene"), and efforts at therapeutic management ranging from institutional care to lobotomy.

Note: Expected to be given in 2009–10.

Prerequisite: HS A-87 ("Madness and Medicine") provides good background for this course, but is not a requirement.

History of Science 174. Critical Experiments in the Human Sciences

Catalog Number: 1750

Rebecca M. Lemov

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

This course focuses on high-impact experiments - among them, the Milgram "Obedience" experiments and the Stanford Prison Experiment - carried out in the twentieth-century human sciences by anthropologists, sociologists, social psychologists, and/or experimental psychologists. Many dreamed of a "technology of human behavior" and conducted experiments toward this end. What were the results, and how do they continue to affect our thinking and daily lives today?

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

Catalog Number: 4338

Anne Harrington

Half course (fall term). M., W., at 11.

An analysis of the making of modern mind-body medicine as a system of interacting (and partly conflicting) narratives. Why do we believe that certain illnesses have roots in childhood traumas? That the stress of modern life can kill? That positive attitude can heal? That the "East" possesses secrets of mind-body balance that the West has lost? Analytic emphasis on the relationship between scientific research, clinical practice, popular culture, and experiences of illness and recovery.

Note: Expected to be given in 2009–10.

History of Science 180v. History of American Technology - (New Course)

Catalog Number: 7513

Lisa Gitelman

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to the history of technology in the U.S. Considers the interplay of technology and culture in order to understand the context and character of technological change as well as



the changing meaning of "progress" in American life. Focuses in particular on the history of systems, such as those for manufacture, transportation, and communication.

History of Science 181v. Subjectivity and Agency in Virtual Worlds - (New Course)

Catalog Number: 9427

Markus Krajewski

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The seminar deals with the history of the occidental subject's genesis. On the basis of philosophical concepts, ranging from René Descartes and Friedrich Nietzsche up to Michel Foucault or Bruno Latour, a historical spectrum of theories of subjectivity and agency should be worked out, which enables to determine today's protagonists of action (including classical subjects, things, machines, agents, avatars, cyborgs and otherelectronical representatives of the self like in Second Life, Facebook etc.).

[History of Science 182. Science, Modernity, and Discontent]

Catalog Number: 4322

Jimena Canales

Half course (fall term). M., W., (F.), at 9. EXAM GROUP: 2

Examines theories of modernity (Marx, Freud, Bergson) vis-à-vis postmodernity (Habermas, Lyotard, Jameson) in the context of modern science and technology. Particular emphasis is placed on the development of the steam engine, telegraphy, rail, photography and cinematography and their impact on art, history, psychology, medicine, and urbanism.

Note: Expected to be given in 2009–10.

History of Science 183v. Invention and Inventors - (New Course)

Catalog Number: 0394

Lisa Gitelman

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Uses the example of inventor Thomas Edison to address the history and historiography of invention. What is invention? How do inventions happen? What are the historically and culturally specific contexts within which the idea of invention is more and less useful? Topics include biography and "getting credit" as well as alternative models for innovation, such as R&D, adaptive reuse, "open" innovation, and the social construction of technology.

History of Science 184v. The Social Life of Paper - (New Course)

Catalog Number: 9632

Lisa Gitelman

Half course (spring term). M., 4–6. EXAM GROUP: 9

What is the cultural work performed by or with the technology of paper? How can a history of paper supplement and enrich recent histories of printing technology and printed artifacts like "the book"? What would it mean to imagine a paperless future? Considers the history, production, circulation and use of paper in the social production of knowledge, the shared imagination of value, and the mutual relations of consumers and commodities.

[History of Science 186. History of Technology: From the Printing Press to the Internet]

Catalog Number: 2147



Adelheid Voskuhl

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Surveys the history of technology in Europe and North America from the mid-fifteenth century to the present. Topics include warfare, agriculture, communication technologies, production and consumption, social change, labor, capitalism, transportation, urbanization, and colonization. Special emphasis on the interrelations between technological artifacts and other forms of “cultural production” such as government, commerce, philosophy, and art.

Note: Expected to be given in 2009–10.

Cross-listed Courses

Classical Studies 165. Ancient Medicine - (New Course)

East Asian Studies 175. The History of Modern Science and Technology in East Asia - (New Course)

History 1345. The Human Sciences in the Modern West - (New Course)

[Japanese History 130. Edo Japan in the History of Curiosity]

***MCB 142. Major Advances in Classical and Molecular Genetics**

Sociology 160. Medicine, Health Policy and Bioethics in Comparative and Global

Perspective: Conference Course

Sociology 163. Science, Technology & Society - (New Course)

Sociology 190. Life and Death in the US: Medicine and Disease in Social Context

Studies of Women, Gender, and Sexuality 1177. AIDS: Politics, Culture, and Science - (New Course)

Primarily for Graduates

History of Science 200. Knowing the World

Catalog Number: 0418

Steven Shapin and Marwa S. Elshakry

Half course (fall term). F., 12–2. EXAM GROUP: 5, 6

Examines the production, communication, and authority of scientific knowledge across a broad range of historical periods and scientific disciplines. Explores changing ways of knowing, classifying, and explaining the natural world, as well as new methods of securing, evaluating, and managing evidence. Emphasis on Europe and North America, with attention to international and global relationships. Students attend the lectures of History of Science 100 plus a weekly two-hour discussion section led by the lecturers.

[*History of Science 201 (formerly *History of Science 200). Research Methods in the History of Science]

Catalog Number: 5277

Anne Harrington and members of the Department

Half course (fall term). M., 1–3:30. EXAM GROUP: 6, 7, 8

Introduction to research tools and resources, including libraries, archives, and collections useful for the History of Science at Harvard. Discussion of current methodologies and research practices by members of the Department.

Note: Expected to be given in 2009–10. The course is required for first year students in the PhD



program and students in the AM program in the History of Science. Offered in 2008-09 in lieu of HS 201 and, for the purpose of degree requirements for AM students and students entering the PhD program in 2008-09, fulfills the HS 201 requirement.

***History of Science 206r. Archimedes and the Archimedean Tradition: Seminar - (New Course)**

Catalog Number: 2410

John E. Murdoch, Barry C. Mazur, and Mark Schiefsky

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Reading and discussion of selected works of Archimedes', with some attention to their impact on the later development of mathematics and mechanics.

***History of Science 207r. William of Ockham and the Rise of 14th-century Nominalism: Seminar - (New Course)**

Catalog Number: 8468

John E. Murdoch

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Reading and discussion of Ockham's works on logic and natural philosophy, with some consideration of his nominalist contemporaries and successors, particularly in their interpretations of Aristotle.

Note: Reading knowledge of Latin is not required.

[History of Science 212. The Sciences of Life, Medicine and the Body in Medieval Renaissance Europe: Proseminar]

Catalog Number: 0640

Katharine Park

Half course (spring term). Hours to be arranged.

Graduate colloquium for students preparing for general examinations in the fields covered by the course, as well as other students wishing to develop a comprehensive knowledge of the subject through extensive reading of secondary sources.

Note: Expected to be given in 2009–10.

[*History of Science 222r. Research in the History and Philosophy of Physical Sciences: Seminar]

Catalog Number: 4178

Peter L. Galison

Half course (spring term). Hours to be arranged.

Students advance their chosen research with the aim of producing a publishable paper. Open to students working in 19th- to 21st-century sciences and technologies, or boundary work within science, art, and architecture.

Note: Expected to be given in 2009–10.

History of Science 238. Rethinking the Darwinian Revolution: Seminar

Catalog Number: 9533

Janet Browne and Marwa S. Elshakry

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17



Taking Charles Darwin as a well-documented case study, we will explore the historiography of evolutionary ideas from 1900 on, covering the political, social, and scientific commitments involved in the concept of a "Darwinian Revolution."

[History of Science 240. The Body in Health and Disease: Seminar]

Catalog Number: 6821

Charles E. Rosenberg

Half course (spring term). Hours to be arranged.

"Sickness" and "health," notions of inappropriate and appropriate behavior, are determined by conceptions of the body and its proper management. Discussion will focus first upon secondary studies and subsequently upon students' research.

Note: Expected to be given in 2009–10.

[History of Science 241. Science in Literature]

Catalog Number: 5778

Janet Browne

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This intensive reading course addresses the social history of medicine as expressed in literature (fiction, drama, and memoirs) mostly from the 19th century to the present day, with some attention paid to Shakespeare. Key themes are illness as metaphor, relationships between patients and doctors, representations of mind and body, and medical imagery.

Note: Expected to be given in 2009–10.

[History of Science 242. Caring and Curing: Seminar]

Catalog Number: 6304

Charles E. Rosenberg

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The body and its management in health and disease. Discussions of representative texts, underlining historiographical and substantive issues in the history of medicine, followed by student progress reports and drafts.

Note: Expected to be given in 2009–10.

History of Science 243. The Making of Modern Medicine: Seminar

Catalog Number: 5572

Charles E. Rosenberg

Half course (spring term). W., 4–6. EXAM GROUP: 9

Focus on key works in the history of medicine, illustrating historiographical trends in the past half-century as well as the substantive aspects of the field that have attracted the historical concern.

[History of Science 252. Science and Empire: Seminar] - (New Course)

Catalog Number: 4758

Marwa S. Elshakry

Half course (spring term). W., 4–6. EXAM GROUP: 9

Analyses the theory and practice of modern empires, debates over sovereignty and territoriality, and the relation between imperial expansion and scientific knowledge. Advanced level course



with an emphasis on theory and topics reflecting student interests.

Note: Expected to be given in 2009–10.

[*History of Science 253. Bioethics, Law, and the Life Sciences]

Catalog Number: 4500

Sheila S. Jasanoff (Kennedy School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Seeks to identify and explore salient ethical, legal, and policy issues – and possible solutions – associated with developments in biotechnology and the life sciences.

Note: Expected to be given in 2009–10. Offered jointly with the Kennedy School as STP-321.

May not be taken for credit by students who have already taken STP-321 (KSG).

History of Science 254. Probability in Science and Society: Seminar

Catalog Number: 0807

Sarah Jansen

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

Explores the history of probability, one of the key concepts of modern science, from the Enlightenment to the present. Topics include reconceptualizations of the individual and the social, and changing notions of truth, facticity, and objectivity.

[History of Science 255. Sociology of Scientific Knowledge: Seminar]

Catalog Number: 8911

Steven Shapin

Half course (fall term). F., 12–2. EXAM GROUP: 5, 6

Surveys themes and achievements in the sociological study of scientific knowledge and practice, focusing on the historical and cultural contexts in which this work developed and its usefulness in writing the history of science.

Note: Expected to be given in 2009–10.

History of Science 256. Culture, Personality, and Self - (New Course)

Catalog Number: 5086

Rebecca M. Lemov

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

Examines the history of the culture and personality movement, considered narrowly and broadly, as well as technologies and techniques developed in the social and human sciences for measuring the self and its socialization processes.

History of Science 257. Post-Human Science Studies - (New Course)

Catalog Number: 9269

Mario Biagioli

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

We discuss recent science studies questioning dichotomies between society and nature, human and non-human agency, and between the human and the animal. Readings include Latour, Rheinberger, Rabinow, Haraway, Rotman, Murphy, and Pickering.



[History of Science 258. The Normal and the Abnormal]

Catalog Number: 0817

Charles E. Rosenberg and Arthur Kleinman

Half course (fall term). Hours to be arranged.

We examine case studies and theoretical readings from history, cultural anthropology, and social theory, to compare notions of the normal and abnormal. We ask how do norms bridge the moral, the political, and the body.

Note: Expected to be given in 2009–10. Open to undergraduates with the permission of the instructor. May not be taken concurrently with Anthropology 2655.

History of Science 280. Theories of Technology - (New Course)

Catalog Number: 1024

Stefan Andriopoulos

Half course (spring term). Tu., 2–4.

This seminar sets out to conceptualize interactions among technological media, scientific research, and cultural discourses without relapsing into a technological determinism. Based on historical case studies that range from 1800 to the present we will ask questions such as: How can we account for cultural conditions of technological innovation? And how are newly emerging technologies used and appropriated in scientific and cultural practices? Readings include: Crary, Galison, Giedion, Heidegger, Kittler, Latour, Luhmann, and others.

History of Science 281. Flat Science: Picturing Knowledge through Print, Photography, and Cinematography

Catalog Number: 2387

Mario Biagioli

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines imaging techniques from the Scientific Revolution to the twentieth century in astronomy, physiology, and criminology; interactions between art history (Benjamin, Krauss), philosophy (Bergson, Foucault, Deleuze), and science studies; the epistemological status of pictures.

History of Science 283v. Body, Technology and (Dis)-ability - (New Course)

Catalog Number: 1849

Helene L. Mialet

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

How can one escape the limits of one's own body to situate oneself in different worlds? How can one rethink the question of "disability" from the point of view of understanding the bodies of others (or one's "own" body), especially when we are all more or less attached to computers, e-mails, internet? What becomes of the individual in light of collective bodies composed of humans and non-humans, whether we call them actor-networks (to use Callon and Latour's terminology) or cyborgs to use Donna Haraway's. These questions will be addressed by exploring new developments in distributed cognition, history and social analysis of technology, virtual reality, speech recognition, expert systems in medicine, and disability studies.

[History of Science 284. Technology and the Text: Machines and Discourse in Historical and Literary Inquiry]



Catalog Number: 6779

Adelheid Voskuhl

Half course (fall term). Hours to be arranged.

Investigates historically and theoretically the relationship between textuality and technology in recent works as well as in "classics" of the history of technology, cultural theory and literary criticism. Readings include studies in media history, media theory, and theories of materiality and textuality; case studies in history of technology and literary history; and literary and cultural analyses of the mechanical reproduction of poetry and of works of art from 19th- and 20th-c.

German and French Social and Cultural Theory.

Note: Expected to be given in 2009–10.

***History of Science 285a. Science, Power and Politics I**

Catalog Number: 5124

Sheila S. Jasanoff (Kennedy School)

Half course (fall term). W., 4:10–6. EXAM GROUP: 9

This is the fall term of a year-long seminar that introduces students to the major contributions of the field of science and technology studies (S&TS) to the understanding of politics and policymaking in democratic societies.

Note: Offered jointly with the Kennedy School as STP-291. May not be taken for credit by students who have already taken STP-291 (KSG). Either 285a or 285b may be taken as a separate course, but only with permission of the instructor.

[*History of Science 285b. Science, Power, and Politics II]

Catalog Number: 5291

Sheila S. Jasanoff (Kennedy School)

Half course (spring term). Tu., 2:10–4. EXAM GROUP: 16, 17

Introduction to major methodological approaches in the field of science and technology studies (S&TS), particularly focusing on the analysis of science politics and policymaking in democratic societies.

Note: Expected to be given in 2009–10. Offered jointly with the Kennedy School as STP-292. May not be taken for credit by students who have already taken STP-292 (KSG). Either 285a or 285b may be taken as a separate course, but only with permission of the instructor.

[History of Science 286. History of Technology: Reformation to the Present]

Catalog Number: 0767

Adelheid Voskuhl

Half course (spring term). Hours to be arranged.

Survey of history of technology during early modern and modern periods in Europe, North America, and Asia. Readings include social and cultural histories of technology, classics in the theory of technological modernity, and primary sources.

Note: Expected to be given in 2009–10.

[History of Science 287. Heidegger and Technology: Seminar]

Catalog Number: 2819

Peter L. Galison and Peter E. Gordon

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8



An advanced seminar focusing on Heidegger's assessment of modern technology and the relation of scientific and/or technological practices to human experience, history, and philosophy.

Note: Expected to be given in 2009–10. Offered jointly with History 2471.

[History of Science 288. History and Philosophy of Technology: Proseminar]

Catalog Number: 6645

Adelheid Voskuhl

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Graduate-level survey of classic and recent influential work in the history of technology, covering the early modern, modern, and late modern periods; industrial-technological, information-technological, and bio-technological systems; as well as philosophical accounts from the analytical and the continental traditions. For students preparing field examinations and those wishing to gain insight into current issues in the historiography of technology.

Note: Expected to be given in 2009–10.

[History of Science 293. Experts, Politics and Public Policy] - (New Course)

Catalog Number: 4043

Sheila S. Jasanoff (Kennedy School)

Half course (spring term). Hours to be arranged.

This course takes a critical look at the assumptions underlying the use of expertise in policymaking and asks how our growing reliance on experts affects the quality, effectiveness, and accountability of public policy and governance. Case studies and theoretical readings are used to explore the basis for claims of expertise, the reasons for expert controversies, the relations between lay-people and experts, and the measures used to hold experts accountable in diverse decisionmaking frameworks.

Note: Expected to be given in 2009–10. Jointly offered with PAL-145 at the Kennedy School of Government.

***History of Science 294. Tools, Instruments, and Extended Cognition - (New Course)**

Catalog Number: 3303

Peter L. Galison and Peter Godfrey-Smith

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examination of the relation between external tools and cognition. Can the boundaries of a thinking agent extend beyond the skin? Perspectives from philosophy of mind and history of science, including Clark, Wilson, Galison and others.

[*History of Science 295r. Scientific and Legal Doubt: Inter-School, Faculty-Student Workshop]

Catalog Number: 8360 Enrollment: Limited to 15.

Peter L. Galison and Martha L. Minow (Law School)

Half course (fall term). Hours to be arranged.

Is climate change due to human intervention? What are the effects of tobacco, asbestos, and low-level radiation? Is Darwinism "just a theory"? We will produce a student-faculty-guest expert "commission report" on doubt in science and law.

Note: Expected to be given in 2009–10. Open to graduate students, undergraduates, law students, and others by permission of the instructors.



[History of Science 297r. Topics in the History of Medieval Latin Science]

Catalog Number: 5050

John E. Murdoch

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Latin.

[*History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar]

Catalog Number: 4893

John E. Murdoch

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Prerequisite: Knowledge of Latin, but no previous experience with paleography required.

Cross-listed Courses

[East Asian Studies 200. The Uses and Meaning of the New Arts of Presentation]

[East Asian Studies 205. Approches to the Comparative History of Medicine and the Body]

[East Asian Studies 230r \(formerly East Asian Studies 230\). The History of East Asian Medicine: Seminar](#)

[Japanese History 260r. Topics in Japanese Cultural History](#)

[*Sociology 260. The Sociology of Global Health]

Graduate Courses of Reading and Research

***History of Science 300. Direction of Doctoral Dissertations**

Catalog Number: 3388

Mario Biagioli 1756, Allan M. Brandt 3031, Janet Browne 5511, Jimena Canales 5070 (on leave 2008-09), Marwa S. Elshakry 4884 (on leave fall term), Peter L. Galison 3239, Peter Godfrey-Smith 3338, Jeremy Alan Greene 6155, Evelyn M. Hammonds 4545, Anne Harrington 1895, Sarah Jansen 4107, Sheila S. Jasanoff (Kennedy School) 2248, Arthur Kleinman 7473, Shigehisa Kuriyama 5269, Rebecca M. Lemov 5570, Martha L. Minow (Law School) 2617, John E. Murdoch 1877, Katharine Park 2974 (on leave 2008-09), Charles E. Rosenberg 3784, Steven Shapin 3984, and Adelheid Voskuhl 5569 (on leave 2008-09)

Note: Under special circumstances arrangements may be made for other instruction in guidance for doctoral dissertations.

***History of Science 301. Reading and Research**

Catalog Number: 5641

Mario Biagioli 1756, Allan M. Brandt 3031, Janet Browne 5511, Jimena Canales 5070 (on leave 2008-09), Marwa S. Elshakry 4884 (on leave fall term), Peter L. Galison 3239, Owen Gingerich 1159, Peter Godfrey-Smith 3338, Jeremy Alan Greene 6155, Evelyn M. Hammonds 4545, Anne Harrington 1895, Steven James Harris 4081, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107, Sheila S. Jasanoff (Kennedy School) 2248, Arthur Kleinman 7473, Shigehisa



Kuriyama 5269, Andrew Lakoff (University of California, San Diego) 6152, Rebecca M. Lemov 5570, Everett I. Mendelsohn 2700, Martha L. Minow (Law School) 2617, John E. Murdoch 1877, Katharine Park 2974 (on leave 2008-09), Antoine Picon (Design School) 4295, Charles E. Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, Steven Shapin 3984, and Adelheid Voskuhl 5569 (on leave 2008-09)

Individual work in preparation for the General Examination for the PhD degree.

***History of Science 302. Guided Research**

Catalog Number: 5282

Mario Biagioli 1756, Allan M. Brandt 3031, Janet Browne 5511, Jimena Canales 5070 (on leave 2008-09), Marwa S. Elshakry 4884 (on leave fall term), Peter L. Galison 3239, Owen Gingerich 1159, Peter Godfrey-Smith 3338, Jeremy Alan Greene 6155, Evelyn M. Hammonds 4545, Anne Harrington 1895, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107, Sheila S. Jasanoff (Kennedy School) 2248, Arthur Kleinman 7473, Shigehisa Kuriyama 5269, Rebecca M. Lemov 5570, Everett I. Mendelsohn 2700, Martha L. Minow (Law School) 2617, Robb Moss 1392, John E. Murdoch 1877, Katharine Park 2974 (on leave 2008-09), Antoine Picon (Design School) 4295, Charles E. Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, Steven Shapin 3984, and Adelheid Voskuhl 5569 (on leave 2008-09)

Through regular meetings with faculty advisor, each student will focus on research and writing with the purpose of developing a publishable research paper.

***History of Science 310. History of Science Salon Evening - (New Course)**

Catalog Number: 1047

Charles E. Rosenberg 3784 and Anne Harrington 1895

Half course (fall term). Hours to be arranged.

What is history of science all about as a discipline and profession? This half-course meets evenings throughout the academic year to introduce first-year graduate students in the history of science to the range of debates, questions and research practices currently shaping the field.

Note: The course is required for first year students in the PhD program and students in the AM program in the History of Science. Offered in 2008-09 in lieu of HS 201 and, for the purpose of degree requirements for AM students and students entering the PhD program in 2008-09, fulfills the HS 201 requirement.

Human Evolutionary Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Anthropology Offering Instruction in Human Evolutionary Biology



John C. Barry, Lecturer on Anthropology
 Judith F. Chapman, Lecturer on Anthropology
 Nancy Lou Conklin-Brittain, Lecturer on Anthropology
 Peter T. Ellison, John Cowles Professor of Anthropology
 Ian Christopher Gilby, Lecturer on Anthropology
 Carole K. Hooven, Lecturer on Anthropology
 Karen L. Kramer, Associate Professor of Anthropology
 Daniel E. Lieberman, Professor of Anthropology
 Susan F. Lipson, Lecturer on Anthropology
 Charles Lindsay Nunn, Associate Professor of Anthropology
 David Pilbeam, Henry Ford II Professor of Human Evolution (*on leave 2008-09*)
 Maryellen Ruvolo, Professor of Anthropology (*on leave fall term*)
 Tanya M. Smith, Assistant Professor of Anthropology
 Katherine K. Whitcome, Lecturer on Anthropology
 Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology

Human Evolutionary Biology is an undergraduate concentration offered by the Biological Anthropology faculty of the Department of Anthropology and provides a general foundation in human and organismic biology as part of the Life Sciences cluster of concentrations. Human Evolutionary Biology addresses why humans and primates are the way they are from an evolutionary perspective. Understanding the biological bases for the behavioral and physical traits that distinguish humans from other primates is one of the great challenges of modern biology, and is the focus of Human Evolutionary Biology. Human Evolutionary Biology is also linked to the social sciences at Harvard, and complements the pre-existing track in Biological Anthropology within the Anthropology Concentration. Students interested in addressing questions about human and non-human primate cognition from the perspective of human evolutionary biology also may pursue a special program of study affiliated with the University-wide Mind, Brain, and Behavior Initiative.

Primarily for Undergraduates

***Human Evolutionary Biology 91r. Supervised Reading and Research**

Catalog Number: 3631

Richard W. Wrangham

Half course (fall term; repeated spring term). Hours to be arranged.

Special study of selected topics in Human Evolutionary Biology, given on an individual basis and directly supervised by a member of the Biological Anthropology Faculty. May be taken for a letter grade or Pass/Fail. Signature of faculty supervisor required.

***Human Evolutionary Biology 97y. Sophomore Tutorial in Human Evolutionary Biology**

Catalog Number: 2205

Richard W. Wrangham

Half course (spring term). Hours to be arranged.

An introduction to the issues and methods of biological anthropology, including evolutionary theory and its application to humans. Focuses on the comparison of primate and human



physiology and social behavior as ecological adaptations and their application to understanding human evolution. Weekly readings, discussions, and short writing assignments, with a final research paper and presentation.

Note: Required of and limited to Human Evolutionary Biology concentrators.

***Human Evolutionary Biology 99. Tutorial—Senior Year**

Catalog Number: 2840

Richard W. Wrangham

Full course (indivisible). Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty adviser required.

For Undergraduates and Graduates

[Human Evolutionary Biology 1310 (formerly Anthropology 1310). Hormones and Behavior]

Catalog Number: 2265

Carole K. Hooven

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the interaction between hormones and behavior, emphasizing research in humans. General principles of endocrine physiology are presented. The course then focuses on how hormones affect the brain and body in early development and later in adulthood, and the relationship of hormones to sex and gender. We will explore human reproduction, energy metabolism, mating and sexuality, parental behavior, learning and memory, stress, and dominance interactions.

Note: Expected to be given in 2009–10. This course is a prerequisite for Human Evolutionary Biology 1418.

Prerequisite: Life Sciences 2 or strong biology background recommended.

Human Evolutionary Biology 1312. Human Sexuality: Research and Presentation Seminar

Catalog Number: 5008 Enrollment: Limited to 15.

Judith F. Chapman

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

An examination of human sexuality from a scientific perspective. Students will read and present primary scientific literature that highlights current research on a variety of topics including: sexual development, gender identity, sexual orientation, cross cultural variations in mating systems, promiscuity, the evolution of monogamy, sexual attraction, sexual communication, including an exploration of the existence of human pheromones, libido and sexual dysfunction.

[Human Evolutionary Biology 1315. Ecology of Modern Hunter Gatherers]

Catalog Number: 2051

Karen L. Kramer

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course focuses on the variable ways that hunter-gatherers interface with their environment and make their living, and the implications of this subsistence strategy for their biology and behavior. During the first part of the course, key theoretical issues and debates that surround the



study of modern hunter/gatherers will be discussed. Once this foundation is laid, the course will survey modern and historic hunter-gatherers from all the major geographic regions of the world. *Note:* Expected to be given in 2009–10.

Human Evolutionary Biology 1316. Human Origins and Evolution - (New Course)

Catalog Number: 9665

Katherine K. Whitcome

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course examines the evidence for hominin evolution to understand how and why we became human. Sources of evidence introduced include the fossil record along with comparative data on anatomical, behavioral, and genetic similarities and differences among living primates.

Evolutionary and climatic data are also explored to reconstruct hominin behavior and to consider hominins as members of diverse ecological communities. Hands-on laboratory sessions that feature fossils and comparative skeletal material complement the lectures.

Human Evolutionary Biology 1325. Evolution of Technology: Biological and Behavioral Views of Tool Use - (New Course)

Catalog Number: 2357

Russell Dean Greaves

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

An important aspect of what makes us human is our unique reliance on diverse technologies.

This class develops inferences about the evolution of technology from modern human traditional cultures, the archaeological record, hominin functional morphology, and comparisons with tool use in other primates. Readings, lectures, and discussions emphasize how technology is used for subsistence, shelter, physical protection, and other behaviors that helped ancestral hominins and contemporary humans occupy a range of variable environments.

Human Evolutionary Biology 1330 (formerly Anthropology 1330). Primate Social Behavior

Catalog Number: 4332

Ian Christopher Gilby and Richard W. Wrangham

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A review of the behavioral interactions in natural primate populations, drawing on experimental, observational, and theoretical studies. Discussion of ecological, physiological, and developmental bases of primate social behavior, with special attention to the evolution of patterns of behavioral interactions among individuals of different age, sex, relatedness, and status. Topics include sexual conflict, sexual selection, and mating systems; care of offspring and other aid-giving; manipulative and cooperative aspects of communication; competition, dominance, and territoriality; and the evolution of social relationships.

Prerequisite: Introductory biology or Science B-29 or permission of Instructor.

Human Evolutionary Biology 1331. Comparison and Adaptation in Primate Evolutionary Biology - (New Course)

Catalog Number: 8252 Enrollment: Limited to 15.

Charles Lindsay Nunn

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Understanding human evolution requires us to reconstruct the past and identify the adaptive basis



of primate traits. How can this be achieved for behavior, language, culture and other traits that lack a clear fossil record? This research seminar takes a hands-on approach to teach new methods for reconstructing evolutionary history. Through readings, computer labs and an independent project, students investigate cognitive evolution in hominids, primate sociality, and ecological adaptations in humans and nonhuman primates.

Human Evolutionary Biology 1333. Primate Disease Ecology - (New Course)

Catalog Number: 8036 Enrollment: Limited to 15.

Charles Lindsay Nunn

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Infectious disease plays a major role in the lives of humans, and the same is true of nonhuman primates. This research seminar explores infectious diseases in humans and nonhuman primates. We consider similarities and differences in disease ecology in humans and nonhuman primates, and investigate the role of infectious disease in primate - including human - evolution.

Human Evolutionary Biology 1351. Reproductive Ecology - (New Course)

Catalog Number: 3408

Peter T. Ellison

Half course (fall term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

A course on the physiological ecology and evolutionary biology of human and primate reproduction. Topics covered include gamete production, gestation, birth, lactation, reproductive maturation, mature reproductive function, aging and senescence.

Prerequisite: Life Sciences 2 or Human Evolutionary Biology 1310 strongly suggested.

[Human Evolutionary Biology 1355. Darwin Seminar: Evolution and Emotion]

Catalog Number: 8314 Enrollment: Limited to 20.

Peter T. Ellison

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

A course on the intellectual history of evolution with rotating topics. This year the focus will be on evolution and emotion, starting with Darwin's *Expression of Emotion in Man and Other Animals* and including current research on the philosophy, physiology, neurobiology, and evolutionary significance of emotion.

Note: Expected to be given in 2010–11.

Human Evolutionary Biology 1357. Evolution and Medicine - (New Course)

Catalog Number: 2307 Enrollment: Limited to 20.

Peter T. Ellison

Half course (spring term). Th., 1–3, Th., 3–5. EXAM GROUP: 15, 16, 17, 18

An undergraduate research seminar on the application of evolutionary theory to problems in medicine.

Human Evolutionary Biology 1371. Paternity, Fidelity and Parenting - (New Course)

Catalog Number: 0712

Karen L. Kramer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16



This course introduces human life history through the topic of male/female relationships, parenting, and family formation. Key issues covered include life history tradeoffs, reproductive strategies, division of labor, pair-bonding and cooperative breeding. Emphasis is placed on examining life history characteristics shared across primates, those particular to humans, and their variation cross-culturally. The course is designed for students studying anthropology, evolutionary biology, evolutionary psychology and other disciplines interested in the relationship between human biology and behavior.

Note: Junior research seminar. Taught every other year, alternating with Human Evolutionary Biology 1315.

[*Human Evolutionary Biology 1375 (formerly *Anthropology 1375). Testosterone and Human Behavior]

Catalog Number: 6933 Enrollment: Limited to 15.

Judith F. Chapman

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

An exploration of current research in human behavior and testosterone, including the relationships between normal variation in testosterone and variation in traits such as cognition, aggression, personality traits, and sexual behavior within both males and females. Medical uses of testosterone, such as anabolic steroids, hormone replacement therapy, and reassignment, are explored.

Note: Expected to be given in 2009–10. Preference given to Human Evolutionary Biology and Biological Anthropology concentrators.

Human Evolutionary Biology 1414. Evolution of Human Diet: Research Seminar

Catalog Number: 9881

Nancy Lou Conklin-Brittain

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An exploration of modern controversies in human nutrition from an evolutionary perspective, using primate and human dietary adaptations, digestive physiologies, feeding behavior and ecology. We will explore topics including: nutritional requirements, optimal foraging, maternal and infant nutrition, the nature of early hominid diets, the role of hunting and carnivory in human evolution, and finally, the nutritional impact of agriculture and technology on dietary composition and modern human diets.

***Human Evolutionary Biology 1418 (formerly *Anthropology 1418). Endocrinology and Behavior: Research Seminar**

Catalog Number: 1437 Enrollment: Limited to 8.

Susan F. Lipson

Half course (fall term). M., W., at 11, and a weekly laboratory either M. or W., 2-5. EXAM GROUP: 4

An introduction to laboratory techniques and research design in behavioral endocrinology. Students conduct pilot research projects.

Note: Preference given to Human Evolutionary Biology and Biological Anthropology concentrators and graduate students.

Prerequisite: Human Evolutionary Biology 1310 or permission of the instructor.

**Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Evolutionary Anatomy**

Catalog Number: 6233

*Daniel E. Lieberman and Tanya M. Smith**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

How did the human body evolve, and how does it develop, grow and function? An integrative overview of human anatomy and evolution, with a focus on the musculo-skeletal system, including aspects of developmental biology, functional morphology, physiology, and the fossil record. Topics include: muscle and skeletal development, anatomy, and histology; the biomechanics of muscles and bones; craniofacial growth and development; the functional morphology of chewing, respiration, vocalization, locomotion, and other activities.

Prerequisite: Life Sciences 2 or permission of instructor.

Human Evolutionary Biology 1421. The Biology of Primate Teeth - (New Course)

Catalog Number: 8758 Enrollment: Limited to 8.

*Tanya M. Smith**Half course (spring term). W., 3–5. EXAM GROUP: 8, 9*

Teeth are one of the best preserved and most commonly-recovered elements in fossil assemblages. This seminar will focus on ways in which dental remains may inform studies of fossil primate growth and development, ecology, and social structure. Students will read and discuss current scientific literature, and will conduct pilot research projects.

Note: Preference given to Human Evolutionary Biology and Biological Anthropology concentrators and graduate students.

***Human Evolutionary Biology 1450. Human Evolutionary Genetics - (New Course)**

Catalog Number: 1769 Enrollment: Limited to 15.

*Amanda S. Lobell**Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16, 17*

This course investigates the human genome in an evolutionary context. Topics to be covered include human and primate comparative genetics, the genetic evidence for modern human origins, human genetic diversity and its functional implications (including disease), and natural selection on the human genome.

Prerequisite: Life Sciences 1b

[*Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates]

Catalog Number: 3359

*Maryellen Ruvolo**Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8*

Introduction to the primates, emphasizing their molecular evolutionary history and the forces that mold their genomes. Topics include the neutral theory of molecular evolution, molecular clock concept and its applications, evolution of multigene families, relationships between primate morphological and molecular evolution, molecular convergences, evidence for horizontal gene transfer in primate genomes, and evolution of simian and human immunodeficiency viruses, color vision genes.



Note: Expected to be given in 2009–10.

Prerequisite: Life Sciences 1b.

[Human Evolutionary Biology 1490. Primate Evolution]

Catalog Number: 7376

David Pilbeam

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A lecture/discussion course on primate evolution approached both systematically and systemically, and from a comparative perspective. Hominoids will be a particular focus. Following a review of major primate groups as adaptive radiations, important systems (for example, positional, foraging, social and reproductive behaviors, and life histories) will be discussed comparatively. Regular section meetings will focus primarily on the fossil record and its explication using living primates.

Note: Expected to be given in 2009–10. No prerequisites, but introductory courses in evolution, genetics, anatomy helpful.

[Human Evolutionary Biology 1565. Theories of Sexual Coercion]

Catalog Number: 1953 Enrollment: Limited to 20.

Richard W. Wrangham and Diane L. Rosenfeld (Harvard Law School)

Half course (spring term). M., 5–7 p.m. EXAM GROUP: 9

Where does interpersonal violence come from? Is it learned? Is it innate? Is it malleable? What are we to make of the gendered difference in the use of violence? What does the study of sexual violence in primates offer to our understanding of its prevalence among humans? In this course, we will examine evolutionary perspectives on male sexual coercion in primates and in humans to search for insights into sexual violence among humans. The review of this body of literature offers different analytical methods for questioning the use of sexual violence in our society, helping us identify new ways of preventing its occurrence.

Note: Expected to be given in 2009–10. Offered jointly with Harvard Law School as LAW-99015A.

***Human Evolutionary Biology 1580 (formerly *Anthropology 1580). Paleoecology and Human Evolution**

Catalog Number: 3509

John C. Barry

Half course (spring term). Tu., 1:30–3:30. EXAM GROUP: 15, 16, 17

A lecture-seminar course on the principles of paleoecology, including methods used to reconstruct past climate and ecosystems. There will be an emphasis on the ancient environments and paleoecology of early hominids. May be taken as a Research Seminar in Biological Anthropology.

Prerequisite: Permission of instructor.

Cross-listed Courses

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

Life Sciences 2. Evolutionary Human Physiology and Anatomy



[OEB 10. Foundations of Biological Diversity](#)

[*OEB 121a. Advanced Structure and Physiology of the Vertebrates](#)

[\[*Psychology 1151. Cognitive Evolution: Theory and Practice\]](#)

[*Psychology 1152r. Cognitive Evolution Lab](#)

[\[Science B-27. Human Evolution\]](#)

[Science B-29. Evolution of Human Nature](#)

Inner Asian and Altaic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Inner Asian and Altaic Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*)

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*on leave spring term*)

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies (*on leave 2008-09*)

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology

Terry D. Martin, George F. Baker III Professor of Russian Studies

Michael J. Puett, Professor of Chinese History (*on leave 2008-09*)

David J. Roxburgh, Prince Alwaleed bin Talal Professor of Islamic Art History

John S. Schoeberlein, Lecturer on Central Asian Studies, and Director of the Central Asia Forum

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies (*on leave fall term*)

Michael Witzel, Wales Professor of Sanskrit, Contin Ed/Spec Prog Instructor (*on leave fall 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 1730 Cambridge Street, Cambridge, MA, 02138; 617-495-3777.



Latin American and Iberian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Latin American and Iberian Studies

David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*) (*Chair*) (*on leave 2008-09*)

Luis E. Cárcamo-Huechante, Associate Professor of Romance Languages and Literatures

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature

Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art

Jorge I. Domínguez, Antonio Madero Professor of Latin American Politics and Economics

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality (*on leave 2008-09*)

Brian D. Farrell, Professor of Biology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures, Harvard College Professor

Jeffrey Frieden, Stanfield Professor of International Peace

Mary M. Gaylord, Sosland Family Professor of Romance Languages and Literatures (*on leave spring term*)

Merilee Grindle, Edward S. Mason Professor of International Development at the Kennedy School of Government and Director of the David Rockefeller Center for Latin American Studies (*Kennedy School*) (*ex officio*)

James Hanken, Professor of Biology and Curator of Herpetology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology

N. Michele Holbrook, Charles Bullard Professor of Forestry

Steven R. Levitsky, Professor of Government

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean of Arts and Humanities

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies (*on leave spring term*)

Life Sciences



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Life Sciences

Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology (*Chair*)

Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*) (*on leave spring term*)

Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology

Ann Georgi, Undergraduate Research Adviser for the Life Sciences (*ex officio*)

David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology

Georgene B. Herschbach, Associate Dean of Undergraduate Academic Programs (*ex officio*)

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Richard M. Losick, Maria Moors Cabot Professor of Biology

Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology (*Director of Life Sciences Education*)

Lee Ann Michelson, Associate Director of Career Services, Director of Premedical and Health Career Advising (*ex officio*)

Gregory L. Verdine, Erving Professor of Chemistry

Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology

Other Faculty Offering Instruction in Life Sciences

Andrew A. Biewener, Charles P. Lyman Professor of Biology

Tamara J. Brenner, Lecturer on Molecular and Cellular Biology

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Peter T. Ellison, John Cowles Professor of Anthropology

Mark C. Fishman, Senior Lecturer on Medicine (*Medical School*)

Michael S. Gilmore, C. L. Schepens Professor of Ophthalmology (*Medical School*)

Daniel L. Hartl, Higgins Professor of Biology

Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)

George V. Lauder, Professor of Biology and Alexander Agassiz Professor of Zoology

Daniel E. Lieberman, Professor of Anthropology

Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences, Harvard College Professor

Ann Pearson, Thomas D. Cabot Associate Professor of Earth and Planetary Sciences

Maryellen Ruvolo, Professor of Anthropology (*on leave fall term*)

Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government

Gregory C. Tucci, Senior Lecturer on Chemistry and Chemical Biology

Alain Viel, Senior Lecturer on Molecular and Cellular Biology

John R. Wakeley, Professor of Organismic and Evolutionary Biology (*on leave spring term*)

Life Sciences Courses are jointly organized by faculty members of Anthropology, Chemistry and



Chemical Biology, Molecular and Cellular Biology, Organismic and Evolutionary Biology, and Psychology Departments. Life Sciences Courses fulfill requirements in multiple Life Sciences Concentrations and Core Curriculum and are taught by teams of faculty from multiple departments. More information on Life Sciences Education may be found online at: www.lifescience.fas.harvard.edu.

Incoming students interested in the life sciences should take Harvard's online Chemistry and Biology Placement Tests, and should take advantage of the science advising available in the Science Center the week before classes begin. Members of the Life and Physical Sciences Departments will be available during this period to advise students. The Harvard Chemistry and Biology Placement Tests recommend the appropriate beginning course for students interested in pursuing the life sciences, either Life Sciences 1a/1b or Life and Physical Sciences A. Life and Physical Sciences A is a one-term introduction to fundamental chemical and biological concepts, and will prepare students to take Life Sciences 1a, Life Sciences 1b, or Physical Sciences 1. Life Sciences 1a integrates chemistry with molecular and cellular biology, and Life Sciences 1b covers genetics, genomics, and evolution.

Life and Physical Sciences

Primarily for Undergraduates

Life and Physical Sciences A. Foundational Chemistry and Biology

Catalog Number: 3956

Gregory C. Tucci and Tamara J. Brenner

Half course (fall term). M., W., F., at 9, and one hour of discussion section, a three-hour laboratory session, and one hour of review per week. EXAM GROUP: 2

This course introduces fundamental concepts in chemistry and biology. Topics in chemistry include stoichiometry, acids and bases, aqueous solutions, gases, thermochemistry, electrons in atoms, and chemical bonding. Topics in biology include the transfer of information from DNA to RNA to protein, genetic inheritance, mitosis and meiosis, cell structure, and natural selection.

Note: Students should use their scores on the Chemistry and Biology Placement Tests to determine whether to enroll in Life and Physical Sciences A or Life Sciences 1a. This course assumes fluency with high school algebra. When taken for a letter grade, Life and Physical Sciences A meets the Core area requirement for either Science A or Science B. This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems.

Life Sciences

Primarily for Undergraduates

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Catalog Number: 2137

Erin K. O'Shea, Daniel E. Kahne, and Robert A. Lue

Half course (fall term). Tu., Th., 1–2:30, and three hours of laboratory/discussion weekly. EXAM

**GROUP: 15, 16**

What are the fundamental features of living systems? What are the molecules imparting these features, and how do their chemical properties explain their biological roles? The answers form a basis for understanding the molecules of life, the cell, diseases, and medicines. In contrast with traditional presentations of relevant scientific disciplines in separate courses, we take an integrated approach, presenting chemistry, molecular biology, biochemistry, and cell biology framed within central problems such as the biology of HIV and cancer.

Note: This course, in combination with Life Sciences 1b, constitutes an integrated introduction to the Life Sciences. When taken for a letter grade, Life Sciences 1a meets the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement in Science of Living Systems.

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

Catalog Number: 2159

Daniel L. Hartl and Maryellen Ruvolo

Half course (spring term). Tu., Th., 10-11:30, and three hours of laboratory/discussion weekly.

EXAM GROUP: 12, 13

Why is there so much variation among individuals? Why are species so different? Biological variation reflects differences among genes and genomes: how genetic information is transmitted, how it functions, how it mutates from one form to another, how it interacts with the environment, and how it changes through time. These and related issues are examined in depth with special emphasis on complex traits whose expression is determined by a complex interplay between genes and environment.

Note: May not be taken for credit if Biological Sciences 50 has already been taken. This course, in combination with Life Sciences 1a, constitutes an integrated introduction to the Life Sciences. When taken for a letter grade, Life Sciences 1b meets the Core area requirement for Science B. This course, when taken for a letter grade, meets the General Education requirement in Science of Living Systems.

Life Sciences 2. Evolutionary Human Physiology and Anatomy

Catalog Number: 9007 Enrollment: Limited to 200.

George V. Lauder, Andrew A. Biewener, Peter T. Ellison, and Daniel E. Lieberman

Half course (fall term). M., W., F., at 1, and three hours of laboratory/discussion weekly. EXAM GROUP: 6

Why is the human body the way that it is? This course explores human anatomy and physiology from an integrated framework, combining functional, comparative, and evolutionary perspectives on how organisms work. Major topics, which follow a life-course framework, include embryogenesis, metabolism and energetics, growth and development, movement and locomotion, food and digestion, stress and disease, and reproduction. Also considered is the relevance of human biology to contemporary issues in human health and biology.

Note: This course replaces OEB 102 and HEB 1420. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature



Catalog Number: 2164

Douglas A. Melton and Michael J. Sandel

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Explores the moral, political, and scientific implications of new developments in biotechnology. Does science give us the power to alter human nature? If so, how should we exercise this power? The course examines the science and ethics of stem cell research, human cloning, sex selection, genetic engineering, eugenics, genetic discrimination, and human-animal hybrids. Readings will be drawn from literature in the areas of biology, philosophy, and public policy.

Note: May not be taken concurrently with Government 1093. May not be taken for credit if Government 1093 has already been taken. The course is open to both science and non-science concentrators. Moral Reasoning 22 is recommended as a background. Enrollment may be limited.

Cross-listed Courses

Science of Living Systems 11. (formerly Science B-47). Molecules of Life - (New Course)

For Undergraduates and Graduates

***Life Sciences 100r (formerly *MCB 100r). Experimental Research in the Life Sciences**

Catalog Number: 2122 Enrollment: Limited to 30.

Alain Viel and members of the Faculty

Half course (fall term; repeated spring term). F., 2–4. EXAM GROUP: 7, 8

A laboratory course that immerses students in a dynamic project-based research environment. Participate in experimental projects directly linked with ongoing faculty research. Students select a project from the following research tracks: neurobiology, microbial sciences, cell biology, and synthetic biology. New projects, including some in other research fields, are offered every term. In a highly collaborative atmosphere, students form a fully-functional and diverse research group based on the sharing of ideas and progress reports between projects.

Note: Location of the first meeting will be announced on the course website. Open to freshmen, sophomores, juniors, and seniors, regardless of concentration, and suitable for students either with or without extensive laboratory experience. The course may only be repeated once and the second enrollment must be approved by the instructor.

Prerequisite: Life Sciences 1a or permission of the instructor. Students interested in a neurobiology project will need MCB 80 or permission of the instructor.

Life Sciences 110. A Microbial World

Catalog Number: 5701

Ann Pearson, Jon Clardy (Medical School), and Roberto G. Kolter (Medical School)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

This course will cover the broad spectrum of microbial sciences from biodiversity to the crucial impact of microorganisms on geological history, the environment, climate, and world health. The course will be taught by an academically diverse team of three Microbial Sciences Initiative (MSI) faculty at a rigorous and fast-paced level appropriate for upper-level undergraduates. Topics include the origins and molecules of life, biogeochemical cycles, microbial diversity, and ecology.



Prerequisite: Ordinarily completion of Life Sciences 1a or higher, or Physical Sciences 1 or higher, or permission of the instructor.

***Life Sciences 190r (formerly *Life Sciences 190hf). Diverse Microbial Strategies for Metabolism, Pathogenesis, and Chemical Signaling**

Catalog Number: 7185 Enrollment: Limited to 30.

Michael S. Gilmore (Medical School)

Half course (fall term). Fall: F., 8:30–11:45. EXAM GROUP: 1, 2, 3

This is an interdisciplinary graduate-level and advanced undergraduate-level course in which students explore topics in molecular microbiology, microbial diversity, and microbially-mediated geochemistry in depth. This course will be taught by faculty from the Microbial Sciences Initiative.

Prerequisite: For advanced undergraduates, Life Sciences 1a and 1b are required, or permission of instructor. MCB 52 is recommended.

For additional courses in the Life Sciences, see offerings in the following chapters:

Anthropology (Biological Anthropology)

Chemical and Physical Biology

Chemistry and Chemical Biology

Human Evolutionary Biology

Molecular and Cellular Biology

Neurobiology

Organismic and Evolutionary Biology

Psychology

Linguistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Linguistics



Gennaro Chierchia, Haas Foundations Professor of Linguistics (*Chair*)
Cedric Boeckx, Associate Professor of Linguistics
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology
C.-T. James Huang, Professor of Linguistics (*Director of Graduate Studies*)
Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology
Dianne E. Jonas, Lecturer on Linguistics (*Head Tutor*)
Andrew Nevins, Associate Professor of Linguistics
Maria Polinsky, Professor of Linguistics (*on leave fall term*)
Jeremy Rau, Associate Professor of Linguistics and of the Classics, Post-Doctoral Fellow in Hellenic Studies (*on leave 2008-09*)

Other Faculty Offering Instruction in the Department of Linguistics

Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology
Wesley M. Jacobsen, Professor of the Practice of Japanese Language
Steven Pinker, Johnstone Family Professor of Psychology, Harvard College Professor
P. Oktor Skjaervo, Aga Khan Professor of Iranian (*on leave fall 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 81. Language and Gender]

Catalog Number: 2755

Half course (fall term). Hours to be arranged.

Surveys the impact of biological sex and gender identification on speech and language use. Speech topics include sex differences in vocal tract size, pitch range, vowel timbre; and the use of phonetic variation to project a desired image. Language use topics include apologies, bragging, compliments, intonation, conceptual metaphor, and structuring social and professional interactions with language. Students will collect and analyze their own data.

Note: Expected to be given in 2009–10.

[Linguistics 83. Language, Structure, and Culture]

Catalog Number: 8319

Half course (spring term). Hours to be arranged.

What do the world's almost 7,000 languages have in common? Why do they show recurrent commonalities and principled differences? What do they reveal about the human ability for speaking and thinking? How do languages develop? How do they die? This course addresses these and related questions while introducing the languages of the world; their distribution, recurrent structural properties, and genetic classification; processes of language contact; and the relationship between language and the brain.

Note: Expected to be given in 2009–10.



Linguistics 88. Language and Cognition

Catalog Number: 5126

Cedric Boeckx

Half course (fall term). M., W., at 12. EXAM GROUP: 5

What does language tell us about the human brain? We will approach this question from various psycholinguistic and neurolinguistic perspectives: speech perception and perceptual illusions; language disorders; blind sight and split brain effects; brain imaging; neural networks and computer modeling of language. We will also touch on the problems of speech recognition and speech synthesis, focusing on the light that these topics shed on the nature of linguistic knowledge.

***Linguistics 91r. Supervised Reading and Research**

Catalog Number: 1100

Dianne E. Jonas and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent study with a faculty member. For students who wish to pursue a particular linguistic topic not covered in other course offerings.

Note: Students should consult the Head Tutor about having this course count towards the concentration.

***Linguistics 97r. Group Tutorial — Sophomore Year**

Catalog Number: 1791

Dianne E. Jonas and members of the Department

Half course (spring term). Hours to be arranged.

Intensive study in a selected linguistic area such as phonology, syntax, historical linguistics, phonetics, morphology, semantics, psycholinguistics, acquisition, sociolinguistics, creole studies, or computational linguistics. Meets as two six-week small-group tutorials, in the spring term.

Note: Required of concentrators.

***Linguistics 98a. Group Tutorial — Junior Year**

Catalog Number: 4222

Dianne E. Jonas and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Meets as two six-week small-group tutorials, both held in the fall term, each covering one of the areas of linguistics listed under Linguistics 97r.

Note: Required of concentrators.

***Linguistics 98b. Tutorial — Junior Year**

Catalog Number: 7273

Dianne E. Jonas and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual tutorial with a faculty member.

Note: Required of concentrators.

***Linguistics 99a (formerly *Linguistics 99). Tutorial — Senior Year**

Catalog Number: 3082



Dianne E. Jonas

Half course (fall term). Hours to be arranged.

Group tutorial led by the Head Tutor with the participation of students' thesis advisors 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: Both Linguistics 99a and 99b are required of all senior honors concentrators. Students who wish to enroll must obtain the signature of the Head Tutor.

***Linguistics 99b. Tutorial - Senior Year - (New Course)**

Catalog Number: 2561

Dianne E. Jonas

Half course (spring term). 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: Both Linguistics 99a and 99b are required of all senior honors concentrators. Students who wish to enroll must obtain the signature of the Head Tutor.

For Undergraduates and Graduates

Linguistics 110. Introduction to Linguistics

Catalog Number: 1498

Dianne E. Jonas

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

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

Dianne E. Jonas

Half course (spring term). M., W., at 12. EXAM GROUP: 5

An introduction to syntactic theory, analysis and argumentation in the model of generative grammar. Discusses analyses and hypotheses of grammatical structure forming the foundation of current syntactic theory. Emphasis on constituent structure analysis, motivation for transformations, constraints on rule application and conditions on representations. Survey of syntactic phenomena, including argument structure, movement, and anaphora.

Linguistics 112b. Intermediate Syntax

Catalog Number: 4730

C.-T. James Huang

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Continuation of 112a. Fundamental principles and parameters of Government and Binding



Theory.

Prerequisite: Linguistics 112a.

Linguistics 115a (formerly Linguistics 115). Introduction to Phonetics and Phonology

Catalog Number: 2791

Andrew Nevins

Half course (fall term). Tu., Th., at 10; F., at 11. EXAM GROUP: 12

Analysis of phonetic and phonological phenomena from a wide variety of languages. Topics include distinctive feature theory, underlying and surface representations, the abstractness of phonological representations, rules and their ordering, language acquisition and change. Training in phonetic transcription, spectrogram (“voiceprint”) reading, and hypothesis-testing in phonological analysis.

Linguistics 115b. Intermediate Phonology

Catalog Number: 1549

Andrew Nevins

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Focuses on enriched phonological representations and on representational constraints: syllabification, subsyllabic constituency, autosegmental phonology, the phonological skeleton and timing tier, feature geometry, underspecification, metrical stress, and prosodic morphology.

Prerequisite: Linguistics 115a.

Linguistics 116a (formerly Linguistics 116). Introduction to Semantics

Catalog Number: 6115

Gennaro Chierchia

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introductory course on semantic interpretation in natural language. What does it mean to “know the meaning” of an utterance? This course provides the formal tools to characterize truth-conditional meanings of sentences. Topics covered include the relation between form and meaning, ambiguity, reference, the role of context dependency, quantifier scope, and variable-binding.

Linguistics 116b. Intermediate Semantics

Catalog Number: 2118

Gennaro Chierchia

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Continuation of 116a. Designed to enable students to follow current research in semantics. Topics covered include: intensional contexts, indexicals, modalities, event based semantics, presuppositions, implicatures.

Prerequisite: Linguistics 116a, equivalent, or permission of instructor.

Linguistics 117r. Linguistic Field Methods

Catalog Number: 8401

Andrew Nevins

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Instruction in the elicitation of phonological, morphological, and syntactic information from a



native speaker of an unfamiliar language, with the object of developing a grammatical sketch of the language. Emphasis on methodology and problems of elicitation and grammatical description in the field. Participants work directly with the native speaker, both individually and as a group, with the assistance of the instructor.

[Linguistics 120. Introduction to Historical Linguistics]

Catalog Number: 8486

Half course (fall term). Hours to be arranged.

Methods and goals of linguistic reconstruction. Topics include the regularity of sound change, types of linguistic change, the relationship between linguistic reconstruction and synchronic analysis, language contact and borrowing, and mechanisms of linguistic change, including recent theories.

Note: Expected to be given in 2009–10.

Linguistics 122. Introduction to Indo-European

Catalog Number: 1336

Jay Jasanoff

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

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. Intermediate Indo-European]

Catalog Number: 6959

Jay Jasanoff

Half course (spring term). Hours to be arranged.

Designed as a sequel to Linguistics 122. A detailed overview of Indo-European comparative grammar, with emphasis on recent developments and discoveries.

Note: Expected to be given in 2009–10.

[Linguistics 130. Psycholinguistics]

Catalog Number: 8966

Half course (fall term). Hours to be arranged.

A survey of current research psycholinguistics for students in linguistics and related fields. Provides an overview of models of language comprehension and production from word to sentence level. Aims to expose students to models and methods used in the study of language acquisition, processing, disorders and brain imaging.

Note: Expected to be given in 2009–10.

[Linguistics 132. Psychosemantics]

Catalog Number: 6578

Gennaro Chierchia and Jesse Snedeker

Half course (spring term). Hours to be arranged.

Explores issues at the interface of linguistic semantics, pragmatics and psychology. Introduces how the analysis of meaning has been pursued by linguists and psychologists. Focuses on topics



that are both of central interest to theoretical linguistics and the target of experimental research. These include sentence structure, sentential connectives, quantification, numbers, mass-count distinction, adjectives and comparison, scales and modalities.

Note: Expected to be given in 2009–10.

Prerequisite: A background in psychology or linguistics; some acquaintance with both helpful but not necessary.

[Linguistics 146. Syntax and Processing]

Catalog Number: 0536

Half course (spring term). Hours to be arranged.

Selected grammatical phenomena will be examined from a theoretical and experimental perspective, with a view toward answering questions like the following: What theoretical treatments are available? How do experimental studies distinguish among competing theoretical approaches? What kind of future experimental work is needed to resolve the outstanding issues?

Note: Expected to be given in 2009–10.

[Linguistics 148. Language Universals]

Catalog Number: 5455

Maria Polinsky

Half course (spring term). Hours to be arranged.

Provides an introduction to the study of cross-linguistic variation and analyzes alternative approaches to language universals (functional explanations, processing explanations, explanations in terms of universal grammar). Topics to be studied include word order, case marking, agreement, lexical categories, subject-hood, and information structure. Sampling techniques and the use of hierarchies will also be covered.

Note: Expected to be given in 2009–10.

Prerequisite: Linguistics 112a or permission of instructor.

[Linguistics 152. Prosody and Intonation]

Catalog Number: 9457

Andrew Nevins

Half course (fall term). Hours to be arranged.

Prosody and intonation are intricately linked to many domains of language use and linguistic structure. We examine the phonetic form of prosodic contours and intonational grouping, the function of prosody in expressing semantic and pragmatic information and in disambiguation during sentence production and comprehension, and the use of "implicit" prosody even in silent reading.

Note: Expected to be given in 2009–10.

Prerequisite: Linguistics 110 or permission of instructor.

[Linguistics 162. Incomplete Acquisition]

Catalog Number: 0315

Maria Polinsky

Half course (fall term). Hours to be arranged.

This course analyzes the structure of incompletely acquired languages. Emphasis will be on



incomplete acquirers (heritage speakers) whose acquisition was interrupted at an early age. Empirical data from several incompletely acquired languages (Russian, Polish, Czech, Lithuanian, Armenian, Korean, Vietnamese, and Tagalog) will be examined to show how incomplete acquisition leads to constraint-based grammars with systematic similarities. Other topics: testing and education of heritage speakers, comparison of heritage speakers with speakers of pidgin and creole languages.

Note: Expected to be given in 2009–10.

[Linguistics 168. Introduction to Germanic Linguistics]

Catalog Number: 7925

Jay Jasanoff

Half course (fall term). Hours to be arranged.

An introduction to the comparative and historical linguistics of the Germanic family, with emphasis on Gothic and the early medieval languages.

Note: Expected to be given in 2009–10.

Prerequisite: Elementary knowledge of German, or another Germanic language, or permission of instructor.

[Linguistics 171. Structure of Chinese]

Catalog Number: 4346

Half course (fall term). Hours to be arranged.

Introduction to the syntactic structure of Mandarin Chinese: the basic structure of clauses and nominal constituents; words, compounds, and phrases; word order and variations; selected special topics (passives, resultatives, ba-construction, topic and relativized structures, questions, anaphora, pro drop); syntactic structure and semantic interpretation.

Note: Expected to be given in 2009–10.

Prerequisite: Linguistics 112a in previous or current term or permission of instructor.

Linguistics 173. Linguistic Issues in the Teaching of Japanese

Catalog Number: 4208

Wesley M. Jacobsen

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An examination of selected phenomena in Japanese phonology, morphology, and syntax with special attention to difficulties encountered in the acquisition of Japanese by adult native English speakers.

Prerequisite: Japanese 120b or its equivalent. Familiarity with basic linguistics concepts desirable.

[Linguistics 174. Tense and Aspect in Japanese]

Catalog Number: 1856

Wesley M. Jacobsen

Half course (spring term). Hours to be arranged.

Examination of phenomena of tense and aspect in Japanese, with special attention to verbal semantics and the interaction of temporal categories with modality and transitivity.

Note: Expected to be given in 2009–10.



Prerequisite: Knowledge of Japanese equivalent to Japanese 120b, or familiarity with the linguistic structure of a non-Indo-European language, or permission of instructor.

[Linguistics 176. History and Prehistory of the Japanese Language]

Catalog Number: 4861

Half course (spring term). Hours to be arranged.

An examination of evidence from the comparative method, internal reconstruction, and written documents for reconstructing prehistoric stages of the Japanese language and an overview of major developments in Japanese phonology and grammar from the Nara period through the present day.

Note: Expected to be given in 2009–10.

Prerequisite: Knowledge of Japanese equivalent to Japanese 120b, or familiarity with historical linguistics, or permission of the instructor.

Linguistics 188r (formerly Linguistics 188). Biolinguistics

Catalog Number: 2750

Cedric Boeckx

Half course (spring term). M., 5–7 p.m. EXAM GROUP: 9

The class is meant as an exploration of the biology of language. Specifically, it investigates the nature of human language and its importance for the study of the mind and the brain. We will discuss current research into the development of language which tries to make sense of the underlying universality of our language faculty as well as the diversity found in individual languages. We will discuss issues of language design (as a biological system) and language evolution.

Prerequisite: Linguistics 88 or permission of instructor.

Cross-listed Courses

English 101. The History and Structure of the English Language

[Greek 134. The Language of Homer]

[Latin 134. Archaic Latin]

[*Psychology 1302. Psychology of Language]

[Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages]

[Slavic 125. Modern Russian in Historical Perspective]

Slavic 126a. Structure of Modern Russian: Phonology and Morphology

Primarily for Graduates

Linguistics 200. Second Language Acquisition - (New Course)

Catalog Number: 6098

Maria Polinsky

Half course (spring term). M., 4–6. EXAM GROUP: 9

An overview of second-language teaching and learning focused on theoretical models, learning objectives, developmental stages, materials design, and the use of new technology in teaching. The course explores the nature of second language acquisition, focused specifically on the needs



of graduate students teaching a second language.

Note: The class includes a general lecture component and language-specific sections.

Linguistics 202r (formerly Linguistics 202). Advanced Syntax

Catalog Number: 8175

Cedric Boeckx

Half course (fall term; repeated spring term). M., 3–5. EXAM GROUP: 8, 9

The third course in the syntax sequence, focusing on major issues in current syntactic theory. Topics include head movement, case and agreement, anaphora, constraints on movement and derivations.

Prerequisite: Linguistics 112b or permission of instructor.

Linguistics 204r. Topics in Syntax

Catalog Number: 6446

C.-T. James Huang

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examination of current issues in syntactic theory with focus on topics of interest to the class.

Linguistics 205r. The Syntax-Semantics Interface

Catalog Number: 0776

Gennaro Chierchia

Half course (spring term). Th., 11–1. EXAM GROUP: 13, 14

An exploration of issues related to the architecture of the grammar, with emphasis on the structures that are interpreted at the semantic interface, and how they are derived.

Linguistics 206r. Syntactic Structure and Argument Structure

Catalog Number: 9020

C.-T. James Huang

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

What is the relationship between a predicate's semantic content and its syntactic realization? What is the relationship between a predicate's event structure and its argument structure? Does a predicate's semantics determine the syntactic frames it occurs in, or might it be the other way around?

[Linguistics 207r (formerly Linguistics 207). Topics in Semantics]

Catalog Number: 8812

Gennaro Chierchia

Half course (fall term). Hours to be arranged.

Current issues in semantics. Topics for this year include: scope and anaphoric properties of indefinites, quantificational variability and generic uses, and long distance indefinites.

Note: Expected to be given in 2009–10.

Linguistics 214. Advanced Morphology - (New Course)

Catalog Number: 7639

Andrew Nevins

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7



An examination of selected topics in morphology. Topics this year will include reduplication, cliticization, and affix ordering. Students will consult with instructor on possible research topics.

[Linguistics 219r. Advanced Phonology]

Catalog Number: 2151

Andrew Nevins

Half course (fall term). Hours to be arranged.

An examination of why phonological phenomena exist at all, and the nature of phonological computation. Primarily exemplification from harmony, reduplication, and meter. Design conditions imposed by economy, perception, articulation, the learning path, and the lexicon.

Note: Expected to be given in 2009–10.

Prerequisite: Linguistics 114 or permission of instructor.

Linguistics 220ar. Advanced Indo-European

Catalog Number: 3428

Jay Jasanoff

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Topics in Indo-European comparative grammar. Conducted as a seminar.

Linguistics 221r. Workshop in Indo-European

Catalog Number: 1008

Jay Jasanoff

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

The topic for the year will be arranged in consultation with interested students. Conducted as a seminar.

[Linguistics 224. Historical and Comparative Linguistics]

Catalog Number: 2967

Half course (fall term). Hours to be arranged.

An introduction to diachronic linguistics at the graduate level. Theory of language change: sound change and analogy, syntactic and semantic change, change in progress. The comparative method: proving genetic relationship, reconstruction, and subgrouping.

Note: Expected to be given in 2009–10.

[Linguistics 225a. Introduction to Hittite]

Catalog Number: 8206

Jeremy Rau

Half course (spring 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 2009–10.

Linguistics 241r. Practicum in Linguistics

Catalog Number: 4260

C.-T. James Huang and members of the Department



Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Presentation of reports on current research or assigned topics.

Note: Required of second- and third-year Linguistics graduate students.

Linguistics 247. Topics in Germanic Linguistics

Catalog Number: 3693

Dianne E. Jonas

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Investigation of selected topics in Germanic historical linguistics.

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 251. Advanced Readings in Church Slavonic Texts]

Catalog Number: 7038

Half course (spring term). Hours to be arranged.

Readings in canonical Old Church Slavonic texts and later Church Slavonic redactions.

Note: Expected to be given in 2009–10.

Prerequisite: Linguistics 250.

Linguistics 252. Comparative Slavic Linguistics

Catalog Number: 7659

Michael S. Flier

Half course (spring term). M., Th., 1:30–3. EXAM GROUP: 6, 7, 15, 16

Introduction to the historical phonology and morphology of the Slavic languages with special attention to relative chronology and linguistic geography.

Prerequisite: Linguistics 250

Cross-listed Courses

Arabic 240r. Classical Arabic Philology

[Celtic 200. Introduction to Old Irish]

[Celtic 201. Continuing Old Irish]

Celtic 225a. Introduction to Middle Welsh

Celtic 225b. Continuing Middle Welsh

[Computer Science 287r. Natural Language Processing]

***Psychology 2280. Language and Human Nature**

Graduate Courses of Reading and Research



***Linguistics 300. Direction of Doctoral Dissertations**

Catalog Number: 6729

Cedric Boeckx 4716, Alfonso Caramazza 1871, Gennaro Chierchia 5355, Michael S. Flier 2878, C.-T. James Huang 4066, Wesley M. Jacobsen 3443, Jay Jasanoff 1661, Dianne E. Jonas 5525, Andrew Nevins 5145, Steven Pinker 4733, Maria Polinsky 5601 (on leave fall term), Jeremy Rau 4657 (on leave 2008-09), and P. Oktor Skjaervo 2869 (on leave fall term).

***Linguistics 301. Reading or Special Topics Course**

Catalog Number: 0861

Members of the Department and others listed under Linguistics 300.

Literature and Comparative Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Literature and Comparative Literature

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*Chair*) (*Director of Graduate Studies*)

Daniel Albright, Ernest Bernbaum Professor of Literature (*on leave spring term*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures

David Damrosch, Visiting Professor of Comparative Literature (*Columbia University*)

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature

Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature

Christopher D. Johnson, Associate Professor of Comparative Literature

Christie McDonald, Smith Professor of French Language and Literature and Professor of Comparative Literature

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Director of Undergraduate Studies*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Stephen Owen, James Bryant Conant University Professor



Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature (*on leave 2008-09*)

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature (*on leave spring term*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave spring term*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*on leave fall term*)

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean of Arts and Humanities

Karen Thornber, Assistant Professor of Comparative Literature

William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of Comparative Literature, Harvard College Professor

Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative Literature

Committee on Literature

Daniel Albright, Ernest Bernbaum Professor of Literature (*on leave spring term*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature

Julie A. Buckler, Professor of Slavic Languages and Literatures

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures

David Damrosch, Visiting Professor of Comparative Literature (*Columbia University*)

Jacob M. Emery, Lecturer on Literature

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Marjorie Garber, William R. Kenan, Jr. Professor of English

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature

Rita B. Goldberg, Lecturer on Literature

Christopher D. Johnson, Associate Professor of Comparative Literature

Sally Livingston, Lecturer on History and Literature

Christie McDonald, Smith Professor of French Language and Literature and Professor of Comparative Literature

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Stephen Owen, James Bryant Conant University Professor

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature (*on leave spring term*)

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*on leave spring term*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*on leave fall term*)

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of



Comparative Literature

Karen Thornber, Assistant Professor of Comparative Literature

William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of Comparative Literature, Harvard College Professor

Justin Weir, Professor of Slavic Languages and Literatures (*on leave spring term*)

Other Faculty Offering Instruction in the Department of Literature and Comparative Literature

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment

Joanna Nizynska, Associate Professor of Slavic Languages and Literatures

Primarily for Undergraduates

Literature 10. Writing Across Cultures: Literatures of the World (to 1750)

Catalog Number: 9074

Stephen Owen and David Damrosch (Columbia University)

Half course (fall term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM GROUP: 13, 14

An overview of world literatures from the earliest texts to the Enlightenment, treating multi-ethnic classical literatures (Greek, Latin, Sanskrit, Chinese, Arabic), the formation of ethnic vernacular literatures, and zones in which literary cultures met. Through lectures and close reading of selected texts, we will examine how cultural identity was constructed and continuously reconstructed in literature. We will observe how and why canons are retrospectively created, including the canon of “world literature,” now in the process of formation.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding.

Literature 11. Writing Across Cultures: Literatures of the World (from 1750 to the present)

Catalog Number: 4361

David Damrosch (Columbia University)

Half course (spring term). M., 1–3, and a weekly section to be arranged. EXAM GROUP: 6, 7

An overview of world literature in the modern period through a series of international styles and literary and social movements. Reading imaginative texts from around the world, we will examine the interplay of local, national, regional, and global languages, literatures, and cultures, exploring the ways writers have responded to the tensions and the opportunities of an emerging modernity.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding.



***Literature 12. Introduction to Literary Studies**

Catalog Number: 3548 Enrollment: Limited to 20.

Jacob M. Emery

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An introduction to the basic issues of literary culture. How do works demand different modes of reading and interpretation? What is the relationship between thought, language, and writing? How can we relate texts to the cultural and economic contexts in which they are read? The course engages these and related questions through a wide range of literary and theoretical readings. Authors include Plato, Shakespeare, Milton, Marx, Tolstoy, James, Kafka, Nabokov, and Barthes.

***Literature 91r. Supervised Reading and Research**

Catalog Number: 1074

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

A graded, supervised course of reading and research to be conducted by a person approved by the Committee.

Note: Permission of Director of Studies required.

***Literature 97. Tutorial — Sophomore Year**

Catalog Number: 4595

Sandra Naddaff, Jacob M. Emery, Karen Thornber and members of the Committee and Tutorial Board

Half course (spring term). Hours to be arranged.

Note: Successful completion of Literature 97 is required of all concentrators in their sophomore year.

***Literature 98a. Tutorial — Junior Year**

Catalog Number: 3119

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term). Hours to be arranged.

Note: Successful completion of one term of Literature 98a is required of all concentrators in their junior year.

***Literature 98b. Tutorial — Junior Year**

Catalog Number: 1528

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (spring term). Hours to be arranged.

Note: Successful completion of one term of Literature 98b is required of all concentrators in their junior year.

***Literature 99a. Tutorial — Senior Year**

Catalog Number: 4857

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term). Hours to be arranged.



Note: Successful completion of one term of Literature 99a is required of all concentrators in their senior year.

***Literature 99b. Tutorial — Senior Year**

Catalog Number: 1290

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (spring term). Hours to be arranged.

Note: Successful completion of one term of Literature 99b is required of all concentrators in their senior year.

For Undergraduates and Graduates

[Literature 102. On Narrative]

Catalog Number: 3136

Justin Weir

Half course (spring term). Hours to be arranged.

This course introduces students to theories of narrative by Jakobson, Chatman, Genette, Barthes, Brooks, Ricoeur, and others. Although the course is primarily theoretical, we will also consider several exemplary works of literature by Sterne, Tolstoy, Nabokov, Borges, and others.

Note: Expected to be given in 2009–10.

[*Literature 104. On Theory]

Catalog Number: 8760 Enrollment: Limited to 20.

Verena A. Conley

Half course (fall term). Hours to be arranged.

What is theory? What is the difference between literary, critical and cultural theory? What is the relation between theory and reading? This course introduces students to various concepts of theory (Derrida, Deleuze, Foucault, Balibar, Adorno, Benjamin, Freud, Saussure, Cixous, Kristeva, Butler and others). Focuses on theoretical texts and will bring in literary texts where necessary.

Note: Expected to be given in 2009–10.

***Literature 106. On Lyric**

Catalog Number: 6351 Enrollment: Limited to 20.

Christopher D. Johnson

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Explores the history of Western lyric poetry and how lyric has given voice to the recurrent themes of love, death, and subjectivity. Poetic techniques and forms will be examined, as will the roles that lyric has played as a vehicle for intellectual and cultural values. Poets to be read include Sappho, Catullus, Ovid, Bertran de Born, Dante, Petrarch, Donne, Quevedo, Sponde, Goethe, Labé, Blake, Dickinson, Baudelaire, Hölderlin, Rimbaud, Celan, Pound, Akhmatova, and Carson.

***Literature 109. On Translation**

Catalog Number: 0594 Enrollment: Limited to 20.

Sandra Naddaff



Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines theories of translation from various periods (Dryden, Schopenhauer, Schleiermacher, Benjamin, de Man, among others). Also looks closely at specific translated texts (e.g., various English translations of *The Thousand and One Nights*), and considers such topics as the notion of “unequal languages,” the problem of cultural translation, translation post-9/11, and the possibility of untranslatability. Final project involves an original translation and commentary.

Note: Preference given to Literature concentrators.

Prerequisite: Reading knowledge of one foreign language.

[Literature 115. Literature and the Environment]

Catalog Number: 3677

Karen Thornber

Half course (fall term). Hours to be arranged.

Examines how literature from Africa, the Americas, Asia, and Europe has addressed environmental concerns and crises. Focuses on literary works that explore the uneasy relationship between human desire and the survival of the non-human world. Introduces concepts of ecocriticism, ecofeminism, ecology, environmental criticism and environmental justice. Critical readings by Adamson, Bhabha, Buell, Conley, Dimock, Foucault, Glotfelty, Said, Stein, Snyder, Williams, and others.

Note: Expected to be given in 2010–11.

***Literature 116. Literature and Science**

Catalog Number: 6289 Enrollment: Limited to 20.

Christopher D. Johnson

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Explores how literature in different historical periods represents and reshapes the ideas, methods, and language of science. Compares the ways reason and the imagination function in literature and science. Considers how literature rethinks the cultural and historical significance of the scientific enterprise. Primary texts include Lucretius, Donne, Copernicus, Kepler, Cavendish, Fontenelle, Shelley, Goethe, Darwin, Calvino and Gibson.

Literature 117. Literature, Gender, and Revolution - (New Course)

Catalog Number: 3626

Karen Thornber

Half course (fall term). W., 3–5.

Explores relationships among literature, gender, and revolution in China, Cuba, Iran, Japan, Korea, and Russia from the late 19th century to the present. Readings by Butler, Chukovskaya, Danishvar, de Beauvoir, Foucault, Mikiso Hane, Kim Ilyop, Loynaz, Marruz, Pleck, Qiu Jin, Scott, Tamura Toshiko among others.

[*Literature 119. On Comparative Arts]

Catalog Number: 0078 Enrollment: Limited to 18.

Marc Shell and Daniel Albright

Half course (fall term). Hours to be arranged.

Is there one Art, or are there many arts? We will consider affinity and difference among literature, painting, music, and other arts. Student projects will investigate works of art that



submit to or reject a particular material medium. Theory from Plato (Ion), Aristotle, Lessing, Burke, Diderot, Rousseau, Hegel, Pater, Greenberg, Heidegger; examples from Homer, Leonardo, Turner, Monet, Rossetti, Wagner, Richard Strauss, Apollinaire, Schoenberg--and others.

Note: Expected to be given in 2009–10.

[*Literature 121. Phenomenal Cosmic Powers: Adaptations, Transformations, and Translations of the *1001 Nights*]

Catalog Number: 5879 Enrollment: Limited to 15.

Sandra Naddaff

Half course (fall term). Hours to be arranged.

Examines the way one of the foundational narrative texts is transformed for different media and genres. Focuses on a variety of films, illustrations/images, musical renditions, versions, and re-tellings of stories from the *1001 Nights*. Considers various translations (Galland, Burton); films (*The Thief of Baghdad*, *Il fiore delle mille e una notte*, *Aladdin*); music (Rimsky-Korsakov, *Kismet*); and literary works (Poe, Borges, Barth, Mahfouz).

Note: Expected to be given in 2009–10.

Literature 129. Reading the 18th Century Through 21st-Century Eyes - (New Course)

Catalog Number: 8742

Christie McDonald

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Why read texts from the French Enlightenment today and how? Analysis of novels, plays, media events, and films of the 18th and 20th-21st centuries that revisit key questions: the present in its relationship to the past; what constitutes change? Topics include textual rewritings and continuing controversies around the individual, the family, the state, and society; pornography and reproduction; opinion and the media. Readings include works by Beaumarchais, Diderot, Franklin, Kant, Rousseau, Sade, Beauvoir, Blanchot, Boyd, Foucault, Kundera, Shine, Weiss.

***Literature 146 (formerly *Literature 124). Space and Place in Postmodern Culture**

Catalog Number: 8228 Enrollment: Limited to 20.

Verena A. Conley

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Focuses on renewed awareness of space in contemporary theory, literature and film. Examines notions of space and place under the impact of consumerism and electronic technologies in a global world. Texts and films include Lefebvre, Godard, de Certeau, Wenders, Baudrillard, Perec, Tati, Augé, Deleuze and Guattari, Virilio and Verhoeven.

[Literature 153 (formerly Comparative Literature 153). Saul Bellow and the New York Intellectuals]

Catalog Number: 2506

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Studies Bellow's major works in the context of the intellectual and literary community that constituted America's first European style "intelligentsia." Considers work of Isaac Rosenfeld,



Delmore Schwartz, Lionel Trilling, Irving Howe, writers of *Partisan Review* and *Commentary*.
Note: Expected to be given in 2009–10. *Class is conducted in a modified seminar format.*

Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages

Catalog Number: 9245

Luis M. Girón Negrón

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

It has been argued that the poetic "I" in premodern literatures is not a vehicle for self-representation, but an archetype of the human. The course will examine this thesis against the rise of autobiographical writing in medieval and early modern Europe. Readings include spiritual autobiographies (Augustine, Kempe, Teresa of Ávila), letter collections, *maqama* literature, troubadour lyric, Hispano-Jewish poetry, pilgrimage narratives, medieval allegories, Dante and the picaresque novel. Theoretical perspectives by Spitzer, Lejeune, Zumthor and DeCerteau.

Note: All readings in English translation. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts C.

Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar

Catalog Number: 7426

Gregory Nagy

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Genres, forms, and themes of oral traditions in poetry and prose. Theories of performance and composition. Comparative metrical and formulaic analysis.

Note: Knowledge of Greek not required.

Literature 163. Jewish Languages and Literature - (New Course)

Catalog Number: 8627

Marc Shell and Members of the Faculty

Half course (fall term). M., 3–5, plus an additional hour to be arranged.

What is a Jewish language? What is Jewish literature? General topics are alphabetization, translation, oral tradition and diaspora. Languages worldwide include Hebrew as well as Judeo-Spanish, -Aramaic, -Arabic, -French, -Greek, -Italian, -Persian, -Spanish, -Malayalam, Yiddish, and other secular Jewish languages. Readings usually include love stories, medical and philosophic texts, and writings on science, travel, and music. Guest scholars visit most weeks. No language requirement.

Note: Language credit can be arranged.

Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course

Catalog Number: 7762

George G. Grabowicz

Half course (spring 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: All texts can be read in English translation.

Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture

Catalog Number: 3418

Ruth R. Wisse

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Jews are probably best known in America today for their roles in the Holocaust and in Humor. What, if anything, is the relation between these spheres? Does Jewish humor make fun of the Jews, or does it make fun of those who make fun of the Jews? Studies some of the theories and uses of Jewish humor, some of its leading practitioners and outstanding works. Invites comparison with other comic traditions and investigation of "national" humor.

Note: Readers of Yiddish may take this course as Yiddish 200. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[Literature 167 (formerly Comparative Literature 167). Contemporary Fiction: The Novel After Theory]

Catalog Number: 1808

Judith Ryan

Half course (spring term). Hours to be arranged.

Examines a series of novels from 1980 to the present that build consciously on recent literary and cultural theory. Also explores the relation of fictional narrative to history, social problems, and ideology. Authors treated include: Don DeLillo, Marguerite Duras, John Irving, David Malouf, Christoph Ransmayr, Patrick Süskind, Graham Swift, and Christa Wolf. Theorists include: Barthes, Bhabha, Baudrillard, Derrida, Hassan, Lacan, and White.

Note: Expected to be given in 2009–10.

[Literature 178 (formerly Slavic 178). Trauma: Representation, Theory, Experience: Conference Course]

Catalog Number: 9125

Joanna Nizynska

Half course (spring term). Hours to be arranged.

How do literature and film convey traumatic experiences and how does trauma challenge representation? What constitutes post-traumatic syndrome in the life of the individual and society? How does it affect the formation of personal and collective memory? Using texts and films by Agamben, Borowski, Caruth, Freud, LaCapra, Polanski and Kieslowski, we will consider historical traumas (e.g., the Holocaust) and individual trauma, the transposition of traumatic memory/experiences into narratives, and the trans-generational transmission of the traumatic.

Note: Expected to be given in 2009–10. All readings in English translation. All films subtitled.

Literature 184. Imagining the City: Literature, Film, and the Arts

Catalog Number: 2332

Giuliana Bruno and Svetlana Boym

Half course (fall term). Th., 11:30–1, and a weekly film screening W., 7-9 pm, and. weekly



sections to be arranged. EXAM GROUP: 13, 14

How do visual representation and narrative figuration contribute to construct urban identity?

Explores the urban imagination in different artforms: architecture, cinema, literature, photography, and painting. Topics to be mapped out include: cities and modernity, metrophilia and metrophobia, the museum and cultural archaeology, the ruin and the construction site, interior space and public sphere, technology and virtual cities. We will focus on the European city, as we travel through Paris, Berlin, St. Petersburg, Moscow, Naples, and Rome

Note: Cannot be taken for credit if VES 184 had been taken. Cannot be taken concurrently with VES 184. Also offered jointly with the Graduate School of Design as 4353.

[*Literature 187r (formerly *Literature 187). Selected Topics in Poetics and Rhetoric: Seminar]

Catalog Number: 7999

Gregory Nagy

Half course (spring term). Hours to be arranged.

Points of departure: Aristotle's *Poetics* and *Rhetoric*.

Note: Expected to be given in 2009–10. Knowledge of Greek not required.

Cross-listed Courses for Undergraduates

[*English 251. Comparative Romantic Theory: Graduate Seminar](#)

[French 132a. 20th-Century French Fiction I: The Realist Mode]

[French 132b. 20th-Century French Fiction II: The Experimental Mode](#)

[French 167. Parisian Cityscapes]

[French 170. The City - \(New Course\)](#)

[French 267. The Public Intellectual in France](#)

[German 151. Franz Kafka: Modernity and Its Discontents]

[Modern Greek 145 (formerly Comparative Literature 145). Dreams and Literature]

[Slavic 192. Literature as Institutions: Conference Course](#)

[Spanish 110. Hispanic Literature: The Middle Ages - \(New Course\)](#)

[Yiddish 108. America! America! : The Contradictions of American Jewish Culture](#)

Primarily for Graduates

[Comparative Literature 210. The Politics of Writing: From Historical Novel to Historiographic Metafiction] - (New Course)

Catalog Number: 2682

Panagiotis Roilos

Half course (fall term). Hours to be arranged.

Explores literariness in historiographic discourses and historical memory in fiction. Theoretical and literary examples will be drawn from a variety of periods and cultures, from late Greek antiquity to American and Western European postmodernism.

Note: Expected to be given in 2009–10.

[*Comparative Literature 211. Mysticism and Literature: Seminar](#)

Catalog Number: 3867



Luis M. Girón Negrón

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Trends and debates in the comparative study of mystical literature. Primary works by Jewish, Christian, and Muslim authors from the Middle Ages through the 16th century. Also modern authors (Borges, Eliot, Goytisolo) and literary theorists (DeCerteau).

Note: Students admitted by permission of course head. Offered jointly with the Divinity School as 3802.

[Comparative Literature 230. The Poetics of Empire: Colonization, Translation, and Literary Rewriting]

Catalog Number: 0694

Karen Thornber

Half course (fall term). Hours to be arranged.

Explores how colonial, semicolonial, and postcolonial writers from Africa, the Caribbean, Central and Eastern Europe, East Asia, India, the Middle East, and Southeast Asia have reconfigured literature from American, European, and Japanese (former) metropolises via translations and intertextual recreations. Also addresses metropolitan engagement with literature from (former) colonies/semicolonies. Aims to rethink the phenomenon of world literature and theories of cultural negotiation.

Note: Expected to be given in 2009–10.

[Comparative Literature 241. Reading Spinoza and Leibniz with Gilles Deleuze]

Catalog Number: 1652

Christopher D. Johnson

Half course (spring term). Hours to be arranged.

“In the history of philosophy,” Deleuze writes, “a commentary should act as a veritable double and bear the maximal modification appropriate to a double.” Examines the thoughts of Spinoza (*The Ethics*) and Leibniz (*The Monadology*, *Discourse on Metaphysics*) in the context of Deleuze’s commentaries.

Note: Expected to be given in 2009–10.

Comparative Literature 246. The Critic in Culture

Catalog Number: 3141

David Damrosch (Columbia University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This class will examine the interplay of scholarly analysis and cultural critique in a range of major modern critics and theorists, exploring their stylistic and essayistic strategies as they seek to find - or create - an audience for their ideas. Readings in Nietzsche, Foucault, Benjamin, Kobayashi, Woolf, Adorno, Barthes, Cixous, Said, Miyoshi, Minh-ha, Anzaldúa, Penley, Gramsci, and Agamben.

[*Comparative Literature 257. Trauma, Memory, and Creativity]

Catalog Number: 7853

Susan R. Suleiman

Half course (spring term). Hours to be arranged.

We will examine classic and contemporary theories of psychic trauma in individual and



collective contexts and explore the relations between trauma, resilience, play, and artistic innovation with special attention to modern literary autobiography; fiction; some attention to film and visual narrative.

Note: Expected to be given in 2009–10. Open to qualified juniors and seniors with approval of the instructor.

Prerequisite: Good reading knowledge of at least one non-English language.

[*Comparative Literature 261. Memory and Modernity: Seminar]

Catalog Number: 6923 Enrollment: Limited to 15.

Svetlana Boym

Half course (spring term). Hours to be arranged.

Explores modern art of memory in literary, philosophical, and critical texts. Topics: nostalgia and search for newness, and ethics of remembering, modern “memory sites.” Special attention to contemporary East-European reflection on art, memory, and nation.

Note: Expected to be given in 2009–10. All texts available in English, but reading texts in the original is encouraged. Primarily for graduate students, but qualified undergraduates welcome.

Comparative Literature 263. Journey, Exile, and Displacement in Modern Arabic Literature

Catalog Number: 3125

William E. Granara

Half course (spring term). Th., 4–6. EXAM GROUP: 18

The course examines narratives of journey, exile, and displacement in modern Arabic literature that trespass geographical, political and linguistic boundaries, and create new literary spaces that define and reshape modern Arab identities. Theoretical readings will include Pratt, Said, Rushdie and Kaplan.

Note: Arabic helpful but not required. Undergraduates welcome.

[Comparative Literature 264. Thinking and Writing Transculturally]

Catalog Number: 6133

Karen Thornber

Half course (spring term). Hours to be arranged.

Explores approaches to transculturation in the production and evaluation of literature in light of new understandings of human and textual border-crossings. Topics include the ethics of dividing cultural products along ethnic, linguistic, and national lines on the one hand and classifying phenomena as global on the other, and the ramifications of cross-cultural comparison. We also examine the relationship between creative production and such topics as empire, travel/diaspora, translingualism, and literary reconfiguration.

Note: Expected to be given in 2009–10.

[Comparative Literature 266. Irony]

Catalog Number: 9984

Panagiotis Roilos

Half course (spring term). Hours to be arranged.

Explores major philosophical and aesthetic discourses on irony as well as literary manipulations of the trope in western European tradition. Topics discussed include irony and rhetoric, parody,



laughter, irony, and the post-modern.

Note: Expected to be given in 2009–10.

Comparative Literature 273. Approaches to Modernity: The Metropolis

Catalog Number: 2521

Svetlana Boym

Half course (fall term). W., 2–4; W., at 4. EXAM GROUP: 7, 8

Examines the relationship between urban experience and debates on modernity/postmodernity in art, architecture and social theory. Topics: nostalgia and modernization, cultural archeology and architecture of transition, memorial, museum and public art, national identity and cosmopolitan imagination, metropolis and megapolis.

Note: Students in this class will be encouraged to attend lectures and screenings for VES 184 and develop individual research and/or creative projects.

[Comparative Literature 275. Theory of Narrative: Conference Course]

Catalog Number: 3105 Enrollment: Limited to 15.

William Mills Todd III

Half course (fall term). Hours to be arranged.

Studies of selected narratives (fictional, psychoanalytic, historical, sacred) as semiotic structures, representations, rhetorical gambits, and cultural phenomena. Readings by Jakobson, Barthes, Bakhtin, Iser, Lukács, Foucault and others.

Note: Expected to be given in 2010–11. Open to advanced undergraduates and graduates. Recommended for potential teaching fellows.

Comparative Literature 276. Renaissance Poetics and Rhetoric

Catalog Number: 2534

Christopher D. Johnson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Examines Renaissance literary criticism and theory in the context of the arts of poetry and rhetoric. Topics include imitation, genre, decorum, and the conceit. Readings from Petrarch to Gracián and Boileau.

Comparative Literature 277. Literature and Diaspora - (New Course)

Catalog Number: 6042

Karen Thornber

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines creative and critical discourse from and about the African, Chinese, Indian, Japanese, Jewish, and Korean diasporas. Explores the relationship between diaspora and constructions of artistic and cultural identities, transculturation, translation, and multilingualism.

[Comparative Literature 283. Language Differences] - (New Course)

Catalog Number: 7468

Marc Shell

Half course (fall term). Hours to be arranged.

Considers language difference both as a literary theme and as a potent cause of war in the political arena. Historical foci include Europe, the Middle East, North America, and Africa.



Literary issues include translation, heteroglossia, cinematography, and multilingualism. Works of literature include Sophocles, Shakespeare, Goethe, and Dove.

Note: Expected to be given in 2009–10.

Comparative Literature 286 (formerly Literature 148). Metaphor

Catalog Number: 6074

Christopher D. Johnson

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Explores the theory and practice of metaphor in literature, philosophy, and science. Topics include: the aesthetic, heuristic, and epistemological functions of metaphor; metaphor's relation to allegory, irony, and other "major tropes"; metaphor in lyric poetry. Readings include Aristotle, Gracián, Jakobson, Freud, Ricoeur, Blumenberg, Kofman, Derrida, de Man, and Kuhn.

Note: All readings will be available in translation, but students are encouraged to work in the original languages.

[Comparative Literature 288. Antiquity and Beyond: Modern Critical Theory and the Classics]

Catalog Number: 7557

Panagiotis Roilos

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Explores the relevance of ancient literature for modern critical theory and the applicability of current theoretical discourses to classical texts and societies. Topics include: trafficability of art; ritual theory; sexuality; gender studies; irony; orality and literacy; construction of power.

Note: Expected to be given in 2009–10.

***Comparative Literature 299ar. Theory and Comparative Literature: Proseminar**

Catalog Number: 2431

David Damrosch (Columbia University) and Karen Thornber

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

An investigation into current trends in comparative literature, with an emphasis on methodologies, resources, and theory.

Note: Required of first-year graduate students in Comparative Literature; others may be admitted by permission of the instructor.

Cross-listed Courses for Graduate Students

***English 251. Comparative Romantic Theory: Graduate Seminar**

***English 292. Methods of Approaching American Literature; Hemingway and Beyond: Graduate Seminar**

French 267. The Public Intellectual in France

[Modern Greek 205. C.P. Cavafy: European Modernism and the Poetics of Desire]

Slavic 192. Literature as Institutions: Conference Course

Graduate Courses of Reading and Research



***Comparative Literature 396. Preparation for the General Examinations**

Catalog Number: 4570

Daniel Albright 4615 (on leave spring term), Svetlana Boym 1926, Joaquim-Francisco Coelho 7715, James Engell 8076, Luis M. Girón Negrón 3060, Christopher D. Johnson 4301, Christie McDonald 1160, Gregory Nagy 1423, Stephen Owen 7418, Panagiotis Roilos 1982 (on leave 2008-09), Judith Ryan 1135 (on leave spring term), Marc Shell 3176 (on leave spring term), Werner Sollors 7424 (on leave fall term), Diana Sorensen 4214, Susan R. Suleiman 7234, Karen Thornber 5764, William Mills Todd III 1634, and Ruth R. Wisse 3177

***Comparative Literature 397. Direction of Doctoral Dissertations**

Catalog Number: 0320

Daniel Albright 4615 (on leave spring term), Svetlana Boym 1926, Joaquim-Francisco Coelho 7715, James Engell 8076, Luis M. Girón Negrón 3060, William E. Granara 1054, Christopher D. Johnson 4301, Christie McDonald 1160, Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418, Panagiotis Roilos 1982 (on leave 2008-09), Judith Ryan 1135 (on leave spring term), Marc Shell 3176 (on leave spring term), Werner Sollors 7424 (on leave fall term), Diana Sorensen 4214, Susan R. Suleiman 7234, Karen Thornber 5764, William Mills Todd III 1634, and Ruth R. Wisse 3177

***Comparative Literature 399. Reading and Research**

Catalog Number: 2893

Daniel Albright 4615 (on leave spring term), Svetlana Boym 1926, Joaquim-Francisco Coelho 7715, Verena A. Conley 2250, James Engell 8076, Luis M. Girón Negrón 3060, Christopher D. Johnson 4301, Christie McDonald 1160, Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418, Panagiotis Roilos 1982 (on leave 2008-09), Judith Ryan 1135 (on leave spring term), Marc Shell 3176 (on leave spring term), Werner Sollors 7424 (on leave fall term), Diana Sorensen 4214, Susan R. Suleiman 7234, Karen Thornber 5764, William Mills Todd III 1634, and Ruth R. Wisse 3177

Candidates for the doctoral degree in Comparative Literature may pursue advanced studies under the individual supervision of these instructors.

Note: Permission of the instructor and the Chairman of the Department required.

Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Mathematics

Shing-Tung Yau, William Caspar Graustein Professor of Mathematics (*Chair*)
Jameel Habeeb Al-Aidroos, Preceptor in Mathematics



Nir David Avni, Instructor on Mathematics
 Paul G. Bamberg, Senior Lecturer on Mathematics
 Clark Barwick, Benjamin Peirce Lecturer on Mathematics
 Juliana Victoria Belding, Preceptor in Mathematics
 Lydia Rosina Bieri, Benjamin Peirce Lecturer on Mathematics
 Janet Chen, Preceptor in Mathematics
 Danijela Damjanovic, Benjamin Peirce Lecturer on Mathematics
 John F. Duncan, Benjamin Peirce Lecturer on Mathematics
 William Wade Dunham, Visiting Professor of Mathematics (*Muhlenberg College*) (*fall term only*)
 Noam D. Elkies, Professor of Mathematics, Associate of Lowell House
 Dennis Gaitsgory, Professor of Mathematics
 Peter McKee Garfield, Preceptor in Mathematics
 Toby Gee, Benjamin Peirce Lecturer on Mathematics
 Robin Gottlieb, Professor of the Practice in the Teaching of Mathematics
 Benedict H. Gross, George Vasmer Leverett Professor of Mathematics (*on leave 2008-09*)
 John T. Hall, Preceptor in Mathematics
 Joseph D. Harris, Higgins Professor of Mathematics (*on leave spring term*)
 Michael J. Hopkins, Professor of Mathematics
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science (*on leave spring term*)
 Oliver Knill, Preceptor in Mathematics
 Peter B. Kronheimer, William Caspar Graustein Professor of Mathematics (*Director of Undergraduate Studies*)
 Thomas Lam, Benjamin Peirce Assistant Professor of Mathematics (*on leave spring term*)
 Barry C. Mazur, Gerhard Gade University Professor
 Curtis T. McMullen, Maria Moors Cabot Professor of the Natural Sciences
 Martin A. Nowak, Professor of Mathematics and of Biology
 Rehana Patel, Preceptor in Mathematics, Contin Ed/Spec Prog Instructor
 José Alexander Ramírez, Visiting Lecturer on Mathematics (*University of Costa Rica*) (*fall term only*)
 Gerald E. Sacks, Professor of Mathematical Logic
 Wilfried Schmid, Dwight Parker Robinson Professor of Mathematics
 Yum Tong Siu, William Elwood Byerly Professor of Mathematics (*on leave fall term*)
 Katherine Elisabeth Stange, Lecturer on Mathematics
 Shlomo Z. Sternberg, George Putnam Professor of Pure and Applied Mathematics
 John T. Tate, Perkins Professor of Mathematics, Emeritus (*fall term only*)
 Clifford Taubes, William Petschek Professor of Mathematics
 Christine Jiayou Taylor, Lecturer on Mathematics
 Richard L. Taylor, Herchel Smith Professor of Mathematics (*Director of Graduate Studies*)
 Lauren K. Williams, Benjamin Peirce Assistant Professor of Mathematics
 Horng-Tzer Yau, Professor of Mathematics
 Jun Yin, Instructor on Mathematics

The Mathematics Department hopes that all students will take mathematics courses. This said, be careful to take only those courses that are appropriate for your level of experience. Incoming



students should take advantage of Harvard's Mathematics Placement Test and of the science advising available in the Science Center the week before classes begin. Members of the Mathematics Department will be available during this period to consult with students. Generally, students with a strong precalculus background and some calculus experience will begin their mathematics education here with a deeper study of calculus and related topics in courses such as Mathematics 1a, 1b, 19a,b, 20, 21a,b, 23a,b and 25a,b. The Harvard Mathematics Placement Test results recommend the appropriate starting level course, either Mathematics Xa, 1a, 1b, or 21. Recommendation for Mathematics 21 is sufficient qualification for Mathematics 19a,b, 20, 21a, 23a, and 25a.

What follows briefly describes these courses: Mathematics 1a introduces the basic ideas and techniques of calculus while Mathematics 1b covers integration techniques, differential equations, sequences and series. Mathematics 21a covers multi-variable calculus while Mathematics 21b covers basic linear algebra with applications to differential equations. Students who do not place into (or beyond) Mathematics 1a can take Mathematics Xa, Xb, a two-term sequence which integrates calculus and precalculus material and prepares students to enter Mathematics 1b.

There are a number of options available for students whose placement is to Mathematics 21. For example, Mathematics 19a,b are courses that are designed for students concentrating in the life sciences, chemistry, and the environmental sciences. (These course are recommended over Math 21a,b by the various life science, environmental science, and chemistry concentrations). In any event, Math 19a can be taken either before or after Math 21a,b. Math 19b requires some multivariable calculus background, and should not be taken with Math 21b. Math 19a teaches differential equations, related techniques and modeling with applications to the life sciences. Math 19b focuses teaches linear algebra, probability and statistics with a focus on life science examples and applications. Mathematics 20 covers selected topics from Mathematics 21a and 21b for students particularly interested in economic and social science applications.

Mathematics 23 is a theoretical version of Mathematics 21 which treats multivariable calculus and linear algebra in a rigorous, proof oriented way. Mathematics 25 and 55 are theory courses that should be elected only by those students who have a particular interest in, and commitment to, mathematics. They assume a solid understanding of one-variable calculus, a willingness to think rigorously and abstractly about mathematics, and to work extremely hard. Both courses study multivariable calculus and linear algebra plus many very deep related topics. Mathematics 25 differs from Mathematics 23 in that the work load in Mathematics 25 is significantly more than in Mathematics 23, but then Mathematics 25 covers more material. Mathematics 55 differs from Mathematics 25 in that the former assumes a very strong proof oriented mathematics background. Mathematics 55, covers the material from Mathematics 25 plus much material from Mathematics 122 and Mathematics 113. Entrance into Mathematics 55 requires the consent of the instructor.

Students who have had substantial preparation beyond the level of the Advanced Placement Examinations are urged to consult the Director of Undergraduate Studies in Mathematics concerning their initial Harvard mathematics courses. Students should take this matter very seriously. The Mathematics Department has also prepared a pamphlet with a detailed description



of all its 100-level courses and their relationship to each other. This pamphlet gives sample lists of courses suitable for students with various interests. It is available at the Mathematics Department Office. Many 100-level courses assume some familiarity with proofs. Courses that supply this prerequisite include Mathematics 23, 25, 55, 101, 112, 121, and 141. Of these, note that Mathematics 101 may be taken concurrently with Mathematics 1, 19, 20, or 21.

Mathematics 113, 114, 122, 123, 131, and 132 form the core of the department's more advanced courses. Mathematics concentrators are encouraged to consider taking these courses, particularly Mathematics 113, 122 and 131. (Those taking 55a,b will have covered the material of Mathematics 113 and 122, and are encouraged to take Mathematics 114, 123, and 132.)

Courses numbered 200-249 are introductory graduate courses. They will include substantial homework and are likely to have a final exam, either in class or take home. Most are taught every year. They may be suitable for very advanced undergraduates. Mathematics 212a, 230a, 231a and 232a will help prepare graduate students for the qualifying examination in Mathematics. Courses numbered 250-299 are graduate topic courses, intended for advanced graduate students.

The Mathematics Department does not grant formal degree credit without *prior* approval for taking a course that is listed as a prerequisite of one you have already taken. Our policy is that a student who takes and passes any calculus course is not normally permitted to then take a more elementary course for credit. A student who has passed Mathematics 21a, for example, will normally not be allowed to take Mathematics 1a, or 1b for credit. The Mathematics Department is prepared to make exceptions for sufficient academic reasons; in each case, however, a student must obtain written permission from the Mathematics Director of Undergraduate Studies in advance.

In the case of students accepting admission as sophomores, this policy is administered as follows: students counting one half course of advanced standing credit in mathematics are deemed to have passed Mathematics 1a, and students counting a full course of advanced standing credit in mathematics are deemed to have passed Mathematics 1a and 1b.

Primarily for Undergraduates

Mathematics Xa. Introduction to Functions and Calculus I

Catalog Number: 1981 Enrollment: Normally limited to 15 students per section.

John T. Hall, Juliana Belding, and members of the Department

Half course (fall term). Section meeting times: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M. W. F., at 12 (with sufficient enrollment); 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 year long reinforcement. Applications to biology and economics emphasized according to the interests of our students.

Note: Required first meeting: Monday, September 15, 8:30 am, Science Center D. Participation



in a one and a half hour workshop is required each week, as well as required participation in a one hour problem session each week. The sequence Xa, Xb gives solid preparation for Mathematics 1b. This course, when taken for a letter grade together with Mathematics Xb, meets the Core area requirement for Quantitative Reasoning.

Mathematics Xb. Introduction to Functions and Calculus II

Catalog Number: 3857 Enrollment: Normally limited to 15 students per section.

John T. Hall, Jameel Al-Aidroos, Juliana Belding, and members of the Department

Half course (spring term). Section I: M., W., F., at 10; Section II: M. W., F., at 11; Section III: M., W., F., at 12 (with sufficient enrollment); and a twice weekly lab session to be arranged.

EXAM GROUP: 1

Continued investigation of functions and differential calculus through modeling; an introduction to integration with applications; an introduction to differential equations. Solid preparation for Mathematics 1b.

Note: Participation in a one and a half hour workshop is required each week, as well as required participation in a one hour problem session each week. This course, when taken for a letter grade together with Mathematics Xa, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics Xa.

Mathematics 1a. Introduction to Calculus

Catalog Number: 8434 Enrollment: Normally limited to 30 students per section.

Rehana Patel, Juliana Belding, and John F. Duncan (fall term); Juliana Belding (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1. Spring: Section I, M., W., F., at 10, and a weekly problem section to be arranged. EXAM GROUP: 1

The development of calculus by Newton and Leibniz ranks among the greatest achievements of the past millennium. This course will help you see why by introducing: how differential calculus treats rates of change; how integral calculus treats accumulation; and how the fundamental theorem of calculus links the two. These ideas will be applied to problems from many other disciplines.

Note: Required first meeting in fall: Tuesday, September 16, 8:30 am, Science Center B. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: A solid background in precalculus.

Mathematics 1b. Calculus, Series, and Differential Equations

Catalog Number: 1804 Enrollment: Normally limited to 30 students per section.

Robin Gottlieb, Jameel Al-Aidroos, Nir Avni, and Janet Chen (fall term); Robin Gottlieb, and Jameel Al-Aidroos (spring term)

Half course (fall term; repeated spring term). Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12 (with sufficient enrollment); Section V: Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1.

Spring: Section I, M., W., F., at 10; Section II, M., W., F., 11; Section III, M., W., F., 12; Section IV, Tu., Th., 10–11:30; Section V, Tu., Th., 11:30–1 (with sufficient enrollment), and a weekly problem section to be arranged. Required exams: Hours to be arranged. EXAM GROUP: 1



Speaking the language of modern mathematics requires fluency with the topics of this course: infinite series, integration, and differential equations. Model practical situations using integrals and differential equations. Learn how to represent interesting functions using series and find qualitative, numerical, and analytic ways of studying differential equations. Develop both conceptual understanding and the ability to apply it.

Note: Required first meeting in fall: Monday, September 15, 8:30 am, Science Center C. Required first meeting in spring: Wednesday, January 28, 8:30 am, Science Center A. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1a, or Xa and Xb, or equivalent.

Mathematics 19a. Modeling and Differential Equations for the Life Sciences

Catalog Number: 1256

John T. Hall (fall term) and Christine J. Taylor (spring term)

Half course (fall term; repeated spring term). M., W., F., at 1, and a weekly problem section to be arranged. EXAM GROUP: 6

Considers the construction and analysis of mathematical models that arise in the environmental sciences, biology, the ecological sciences, and in earth and atmospheric sciences. Introduces mathematics that include multivariable calculus, differential equations in one or more variables, vectors, matrices, and linear and non-linear dynamical systems. Taught via examples from current literature (both good and bad).

Note: This course is recommended over Math 21a for those planning to concentrate in the life sciences, chemistry, or environmental sciences. Can be taken with or without Mathematics 21a,b. Students with interests in the social sciences and economics might consider Mathematics 20. This course can be taken before or after Mathematics 20. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Mathematics 19b. Linear Algebra, Probability, and Statistics for the Life Sciences

Catalog Number: 6144

Clifford Taubes

Half course (spring term). M., W., F., at 1, and a weekly problem section to be arranged. EXAM GROUP: 6

Probability, statistics and linear algebra with applications to life sciences, chemistry, and environmental sciences. Linear algebra includes matrices, eigenvalues, eigenvectors, determinants, and applications to probability, statistics, dynamical systems. Basic probability and statistics are introduced, as are standard models, techniques, and their uses including the central limit theorem, Markov chains, curve fitting, regression, and pattern analysis.

Note: This course is recommended over Math 21b for those planning to concentrate in the life sciences, chemistry, or environmental sciences. Can be taken with Mathematics 21a. Students who have seen some multivariable calculus can take Math 19b before Math 19a. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Mathematics 20. Algebra and Multivariable Mathematics for Social Sciences

Catalog Number: 0906

Rehana Patel (fall term); Rehana Patel (spring term)

Half course (fall term; repeated spring term). Fall: M., W., F., at 9; Spring: M., W., F., at 10.



EXAM GROUP: Fall: 2; Spring: 3

Introduction to linear algebra, including vectors, matrices, and applications. Calculus of functions of several variables, including partial derivatives, constrained and unconstrained optimization, and applications. Covers the topics from Mathematics 21a,b which are most important in applications to economics, the social sciences, and some other fields.

Note: Should not ordinarily be taken in addition to Mathematics 21a,b. Examples drawn primarily from economics and the social sciences though Mathematics 20 may be useful to students in certain natural sciences. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent, or an A or A- in Mathematics 1a, or a 5 on the AB or a 3 or higher on the BC Advanced Placement Examinations in Mathematics.

Mathematics 21a. Multivariable Calculus

Catalog Number: 6760 Enrollment: Normally limited to 30 students per section.

Oliver Knill, Peter Garfield, and Toby Gee (fall term); Peter Garfield, Janet Chen, John T. Hall, and Jun Yin (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1. Spring: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., 12 (with sufficient enrollment); Section V, Tu., Th., 10–11:30; Section VI, Tu., Th., 11:30–1 (with sufficient enrollment), and a weekly problem section to be arranged. . EXAM GROUP: 1

To see how calculus applies in practical situations described by more than one variable, we study: Vectors, lines, planes, parameterization of curves and surfaces, partial derivatives, directional derivatives, and the gradient, optimization and critical point analysis, including constrained optimization and the Method of Lagrange Multipliers, integration over curves, surfaces, and solid regions using Cartesian, polar, cylindrical, and spherical coordinates, divergence and curl of vector fields, and the Green's, Stokes', and Divergence Theorems.

Note: Required first meeting in fall: Tuesday, September 16, 8:30 am, Science Center C. Required first meeting in spring: Wednesday, January 28, 8:30 am, Science Center C. May not be taken for credit by students who have passed Applied Mathematics 21a. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning. Activities using computers to calculate and visualize applications of these ideas will not require previous programming experience. Special sections for students interested in physics are offered each term.

Prerequisite: Mathematics 1b or equivalent.

Mathematics 21b. Linear Algebra and Differential Equations

Catalog Number: 1771 Enrollment: Normally limited to 30 students per section.

Noam Elkies (fall term); Oliver Knill, Toby Gee, and Rehana Patel (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 11; Section II, M., W., F., at 12; Section III, M., W., F., at 1 (with sufficient enrollment); Spring: Section I, M., W., F., at 10; Section II, M., W., F., at 11; Section III, M., W., F., at 12 (with sufficient enrollment); Section IV, Tu., Th., 10–11:30; Section V, Tu., Th., 11:30–1, and a weekly problem section to be arranged. EXAM GROUP: 1



Matrices provide the algebraic structure for solving myriad problems across the sciences. We study matrices and related topics such as vectors, Euclidean spaces, linear transformations, determinants, eigenvalues, and eigenvectors. Of applications given, a regular section considers dynamical systems and both ordinary and partial differential equations plus an introduction to Fourier series.

Note: Required first meeting in fall: Monday, September 15, 8:30 am, Science Center A.

Required first meeting in spring: Wednesday, January 28, 8:30 am, Science Center B. May not be taken for credit by students who have passed Applied Mathematics 21b. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent. Mathematics 21a is commonly taken before Mathematics 21b, but is not a prerequisite, although familiarity with partial derivatives is useful.

Mathematics 23a. Linear Algebra and Real Analysis I

Catalog Number: 2486

Paul G. Bamberg

Half course (fall term). Tu., Th., at 2-3:30, and a weekly conference section to be arranged.

EXAM GROUP: 16, 17

A rigorous, integrated treatment of linear algebra and multivariable differential calculus, emphasizing topics that are relevant to fields such as physics and economics. Topics: fields, vector spaces and linear transformations, scalar and vector products, elementary topology of Euclidean space, limits, continuity, and differentiation in n dimensions, eigenvectors and eigenvalues, inverse and implicit functions, manifolds, and Lagrange multipliers. Students are expected to master twenty important proofs.

Note: Course content overlaps substantially with Mathematics 21a,b, 25a,b, so students should plan to continue in Mathematics 23b. See the description in the introductory paragraphs in the Mathematics section of the catalog about the differences between Mathematics 23 and Mathematics 25. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or a grade of 4 or 5 on the Calculus BC Advanced Placement Examination, plus an interest both in proving mathematical results and in using them.

Mathematics 23b. Linear Algebra and Real Analysis II

Catalog Number: 8571

Paul G. Bamberg

Half course (spring term). Tu., Th., at 2:30-4, and a weekly conference section to be arranged.

EXAM GROUP: 16, 17

A rigorous, integrated treatment of linear algebra and multivariable calculus. Topics: Riemann and Lebesgue integration, determinants, change of variables, volume of manifolds, differential forms, and exterior derivative. Applications of linear algebra to differential equations and Fourier analysis. Introduction to infinite-dimensional vector spaces. Stokes's theorem is presented both in the language of vector analysis (div, grad, and curl) and in the language of differential forms. Students are expected to master twenty important proofs.

Note: This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 23a.

**Mathematics 25a. Honors Linear Algebra and Real Analysis I**

Catalog Number: 1525

*Lydia Rosina Bieri**Half course (fall term). M., W., F., at 10. EXAM GROUP: 3*

A rigorous treatment of linear algebra. Topics include: Construction of number systems; fields, vector spaces and linear transformations; eigenvalues and eigenvectors, determinants and inner products. Metric spaces, compactness and connectedness.

Note: Only for students with a strong interest and background in mathematics. There will be a heavy workload. May not be taken for credit after Mathematics 23. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: 5 on the Calculus BC Advanced Placement Examination and some familiarity with writing proofs, or the equivalent as determined by the instructor.

Mathematics 25b. Honors Linear Algebra and Real Analysis II

Catalog Number: 1590

*Lydia Rosina Bieri**Half course (spring term). M., W., F., at 10. EXAM GROUP: 3*

A rigorous treatment of basic analysis. Topics include: convergence, continuity, differentiation, the Riemann integral, uniform convergence, the Stone-Weierstrass theorem, Fourier series, differentiation in several variables. Additional topics, including the classical results of vector calculus in two and three dimensions, as time allows.

Note: There will be a heavy workload. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 23a or 25a or 55a.

***Mathematics 55a. Honors Abstract Algebra**

Catalog Number: 4068

*Curtis T. McMullen**Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

A rigorous treatment of abstract algebra including linear algebra and group theory.

Note: Mathematics 55a is an intensive course for students having significant experience with abstract mathematics. Instructor's permission required. Every effort will be made to accommodate students uncertain of whether the course is appropriate for them; in particular, Mathematics 55a and 25a will be closely coordinated for the first three weeks of instruction. Students can switch between the two courses during the first three weeks without penalty. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Mathematics 55b. Honors Real and Complex Analysis

Catalog Number: 3312

*Curtis T. McMullen**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

A rigorous treatment of real and complex analysis.

Note: Mathematics 55b is an intensive course for students having significant experience with abstract mathematics. Instructor's permission required. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.



***Mathematics 60r. Reading Course for Senior Honors Candidates**

Catalog Number: 8500

Peter B. Kronheimer

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in courses.

Note: Limited to candidates for honors in Mathematics who obtain the permission of both the faculty member under whom they want to work and the Director of Undergraduate Studies. May not count for concentration in Mathematics without special permission from the Director of Undergraduate Studies. Graded Sat/Unsat only.

***Mathematics 91r. Supervised Reading and Research**

Catalog Number: 2165

Peter B. Kronheimer

Half course (fall term; repeated spring term). Hours to be arranged.

Programs of directed study supervised by a person approved by the Department.

Note: May not ordinarily count for concentration in Mathematics.

***Mathematics 99r. Tutorial**

Catalog Number: 6024

Peter B. Kronheimer and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Topics for 2008-09: (1) Tropical Geometry (fall), prerequisite: Math 137 makes a nice complement and motivates its goals, but is not required. (2) Algebraic Graph Theory (fall), prerequisite: Math 122 or equivalent. (3) Morse Theory (spring), prerequisite: Math 131 and abstract linear algebra as taught in Math 23 or 121.

Note: May be repeated for course credit with permission from the Director of Undergraduate Studies. Only one tutorial may count for concentration credit.

For Undergraduates and Graduates

See also Applied Mathematics and Statistics.

Mathematics 101. Sets, Groups and Topology

Catalog Number: 8066

John F. Duncan

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to rigorous mathematics, axioms, and proofs, via topics such as set theory, symmetry groups, and low-dimensional topology.

Note: Familiarity with algebra, geometry and/or calculus is desirable. Students who have already taken Mathematics 23a,b, 25a,b or 55a,b should not take this course for credit. This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Prerequisite: An interest in mathematical reasoning.

Mathematics 103. Much Ado About Everything: The Mathematics of Leonhard Euler - (New Course)

Catalog Number: 3920



William Dunham (Muhlenberg College)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The focus of this course is Leonhard Euler (1707-1783), one of history's most significant mathematicians. After surveying 16th and 17th century results that underlay his work, we consider Euler's discoveries in number theory, calculus, algebra, and other fields. The course has historical and biographical elements, but its primary objective is to examine the mathematics of a master.

Prerequisite: The equivalent of Mathematics 1a, 1b or permission of the instructor.

[Mathematics 106. Ordinary Differential Equations]

Catalog Number: 3377

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Analytic, numerical, and qualitative analysis of ordinary differential equations. Linear equations, linear and non-linear systems. Applications to mechanics, biology, physics, and the social sciences. Existence and uniqueness of solutions and visual analysis using computer graphics.

Topics selected from Laplace transforms, power series solutions, chaos, and numerical solutions.

Note: Expected to be given in 2009–10.

Prerequisite: Mathematics 19a,b, 20 or 21a.

Mathematics 112. Introductory Real Analysis

Catalog Number: 1123

Danijela Damjanovic

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to mathematical analysis and the theory behind calculus. An emphasis on learning to understand and construct proofs. Covers limits and continuity in metric spaces, uniform convergence and spaces of functions, the Riemann integral.

Prerequisite: Mathematics 21a,b and either an ability to write proofs or concurrent enrollment in Mathematics 101. Should not ordinarily be taken in addition to Mathematics 23a,b, 25a,b or 55a,b.

Mathematics 113. Analysis I: Complex Function Theory

Catalog Number: 0405

Yum Tong Siu

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Analytic functions of one complex variable: power series expansions, contour integrals, Cauchy's theorem, Laurent series and the residue theorem. Some applications to real analysis, including the evaluation of indefinite integrals. An introduction to some special functions.

Prerequisite: Mathematics 23a,b, 25a,b, or 112. Not to be taken after Mathematics 55b.

Mathematics 114. Analysis II: Measure, Integration and Banach Spaces

Catalog Number: 9111

Horng-Tzer Yau

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Lebesgue measure and integration; general topology; introduction to L^p spaces, Banach and



Hilbert spaces, and duality.

Prerequisite: Mathematics 23, 25, 55, or 112.

Mathematics 115. Methods of Analysis

Catalog Number: 1871

Jun Yin

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Complex functions; Fourier analysis; Hilbert spaces and operators; Laplace's equations; Bessel and Legendre functions; symmetries; Sturm-Liouville theory.

Note: Mathematics 115 is especially for students interested in physics.

Prerequisite: Mathematics 23a,b, 25a,b, 55a,b, or 112.

Mathematics 116. Convexity and Optimization with Applications

Catalog Number: 5253

Paul G. Bamberg

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

Develops the theory of convex sets, normed infinite-dimensional vector spaces, and convex functionals and applies it as a unifying principle to a variety of optimization problems such as resource allocation, production planning, and optimal control. Topics include Hilbert space, dual spaces, the Hahn-Banach theorem, the Riesz representation theorem, calculus of variations, and Fenchel duality. Students will be expected to understand and invent proofs of theorems in real and functional analysis.

Prerequisite: Mathematics 23ab, 25ab, or 55ab, or Mathematics 21ab plus at least one other more advanced course in mathematics.

Mathematics 118r. Dynamical Systems

Catalog Number: 6402

Shlomo Z. Sternberg

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 121. Linear Algebra and Applications

Catalog Number: 7009

Clark Barwick

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Real and complex vector spaces, dual spaces, linear transformations and Jordan normal forms. Inner product spaces. Applications to differential equations, classical mechanics, and optimization theory. Emphasizes learning to understand and write proofs.

Prerequisite: Mathematics 21b or equivalent. Should not ordinarily be taken in addition to Mathematics 23a, 25a, or 55a.



Mathematics 122. Algebra I: Theory of Groups and Vector Spaces

Catalog Number: 7855

Dennis Gaitsgory

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Groups and group actions, vector spaces and their linear transformations, bilinear forms and linear representations of finite groups.

Prerequisite: Mathematics 23a, 25a, 121; or 101 with the instructor's permission. Should not be taken in addition to Mathematics 55a.

Mathematics 123. Algebra II: Theory of Rings and Fields

Catalog Number: 5613

Barry C. Mazur

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Rings and modules. Polynomial rings. Field extensions and the basic theorems of Galois theory. Structure theorems for modules.

Prerequisite: Mathematics 122 or 55a.

Mathematics 124. Number Theory

Catalog Number: 2398

Richard L. Taylor

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 129. Number Fields

Catalog Number: 2345

Katherine Stange

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Algebraic number theory: number fields, unique factorization of ideals, finiteness of class group, structure of unit group, Frobenius elements, local fields, ramification, weak approximation, adeles, and ideles.

Prerequisite: Mathematics 123.

Mathematics 130 (formerly Mathematics 138). Classical Geometry

Catalog Number: 5811

Paul G. Bamberg

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Euclidean, spherical and hyperbolic geometry. No prior experience with proofs required.

Prerequisite: Mathematics 21a,b, 23a, 25a or 55a (may be taken concurrently).

Mathematics 131. Topology I: Topological Spaces and the Fundamental Group

Catalog Number: 2381

Thomas Lam

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5



Abstract topological spaces; compactness, connectedness, continuity. Homeomorphism and homotopy, fundamental groups, covering spaces. Introduction to combinatorial topology.
Prerequisite: Some acquaintance with metric space topology (Mathematics 23a,b, 25a,b, 55a,b, 101, or 112) and with groups (Mathematics 101, 122 or 55a).

Mathematics 132. Topology II: Smooth Manifolds

Catalog Number: 7725

Michael J. Hopkins

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Differential manifolds, smooth maps and transversality. Winding numbers, vector fields, index and degree. Differential forms, Stokes' theorem, introduction to cohomology.

Prerequisite: Mathematics 23a,b, 25a,b, 55a,b or 112.

Mathematics 136. Differential Geometry

Catalog Number: 1949

Danijela Damjanovic

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

The exterior differential calculus and its application to curves and surfaces in 3-space and to various notions of curvature. Introduction to Riemannian geometry in higher dimensions and to symplectic geometry.

Prerequisite: Advanced calculus and linear algebra.

Mathematics 137. Algebraic Geometry

Catalog Number: 0556

John F. Duncan

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Affine and projective spaces, plane curves, Bezout's theorem, singularities and genus of a plane curve, Riemann-Roch theorem.

Prerequisite: Mathematics 123.

Mathematics 141. Introduction to Mathematical Logic

Catalog Number: 0600

Gerald E. Sacks

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

An introduction to mathematical logic with applications to computer science and algebra. Formal languages. Completeness and compactness of first order logic. Definability and interpolation. Decidability. Unsolvable problems. Computable functions and Turing machines. Recursively enumerable sets. Transfinite induction.

Prerequisite: Any mathematics course at the level of Mathematics 21a,b or higher, or permission of instructor.

[Mathematics 143. Set Theory]

Catalog Number: 6005

Gerald E. Sacks

Half course (spring term). Hours to be arranged.

Axioms of set theory. Gödel's constructible universe. Consistency of the axiom of choice and of



the generalized continuum hypothesis. Cohen's forcing method. Independence of the AC and GCH.

Note: Expected to be given in 2009–10.

Prerequisite: Any mathematics course at the level of 21a or higher, or permission of instructor.

Mathematics 144. Model Theory and Algebra

Catalog Number: 0690

Gerald E. Sacks

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

An introduction to model theory with applications to fields and groups. First order languages, structures, and definable sets. Compactness, completeness, and back-and-forth constructions. Quantifier elimination for algebraically closed, differentially closed, and real closed fields. Omitting types, prime extensions, existence and uniqueness of the differential closure, saturation, and homogeneity. Forking, independence, and rank.

Prerequisite: Mathematics 123 or the equivalent is suggested as a prerequisite, but not required.

Mathematics 152. Discrete Mathematics

Catalog Number: 8389

Katherine Stange

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to finite groups, finite fields, finite geometry, discrete probability, and graph theory. A unifying theme of the course is the symmetry group of the regular icosahedron, whose elements can be realized as permutations, as linear transformations of vector spaces over finite fields, as collineations of a finite plane, or as vertices of a graph. Taught in a seminar format, and students will gain experience in presenting proofs at the blackboard.

Note: Students who have taken Mathematics 23a,b, 25a,b or 55a,b should not take this course for credit.

Prerequisite: Mathematics 21b or equivalent.

Mathematics 153. Mathematical Biology-Evolutionary Dynamics

Catalog Number: 3004

Martin A. Nowak

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduces basic concepts of mathematical biology and evolutionary dynamics: evolution of genomes, quasi-species, finite and infinite population dynamics, chaos, game dynamics, evolution of cooperation and language, spatial models, evolutionary graph theory, infection dynamics, somatic evolution of cancer.

Prerequisite: Mathematics 21a,b.

Mathematics 154 (formerly Mathematics 191). Probability Theory

Catalog Number: 4306

Lauren K. Williams

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to probability theory. Discrete and continuous random variables; distribution and density functions for one and two random variables; conditional probability. Generating functions, weak and strong laws of large numbers, and the central limit theorem. Geometrical



probability, random walks, and Markov processes.

Note: This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning and the Core area requirement for Quantitative Reasoning.

Prerequisite: Any mathematics course at the level of Mathematics 19a,b, or 21a,b or higher, or knowledge of multivariable calculus as demonstrated on the online placement test.

[Mathematics 155r (formerly Mathematics 192r). Combinatorics]

Catalog Number: 6612

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Topics include enumerative and algebraic combinatorics related to representations of the symmetric group, symmetric functions, and Young tableaux.

Note: Expected to be given in 2009–10.

Prerequisite: Mathematics 122 (or equivalent). Knowledge of representation theory of finite groups will be helpful.

Cross-listed Courses

[Applied Mathematics 105a. Complex and Fourier Analysis](#)

[Applied Mathematics 105b. Ordinary and Partial Differential Equations](#)

[Applied Mathematics 107. Graph Theory and Combinatorics](#)

[*Freshman Seminar 24i. Mathematical Problem Solving - \(New Course\)](#)

[*Freshman Seminar 26s. Mathematical Structures and Gödel's Completeness Theorem](#)

[*History of Science 206r. Archimedes and the Archimedean Tradition: Seminar - \(New Course\)](#)

[Philosophy 144. Logic and Philosophy](#)

Primarily for Graduates

[Mathematics 212a \(formerly Mathematics 212ar\). Real Analysis](#)

Catalog Number: 5446

Shlomo Z. Sternberg

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Banach spaces, Hilbert spaces and functional analysis. Distributions, spectral theory and the Fourier transform.

Prerequisite: Mathematics 114 or equivalent.

[Mathematics 212br. Advanced Real Analysis](#)

Catalog Number: 7294

Horng-Tzer Yau

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continuation of Mathematics 212ar. The spectral theorem for self-adjoint operators in Hilbert space. Applications to partial differential equations.

Prerequisite: Mathematics 212ar and 213a.



Mathematics 213a. Complex Analysis

Catalog Number: 1621

Wilfried Schmid

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A second course in complex analysis: elliptic functions, canonical products, conformal mapping, extremal length, harmonic measure and capacity.

Prerequisite: Mathematics 55b or 113.

Mathematics 213br. Advanced Complex Analysis

Catalog Number: 2641

Wilfried Schmid

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Fundamentals of Riemann surfaces. Topics may include sheaves and cohomology, potential theory, uniformization, and moduli.

Prerequisite: Mathematics 213a.

Mathematics 221. Commutative Algebra

Catalog Number: 8320

Dennis Gaitsgory

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A first course in commutative algebra: Noetherian rings and modules, Hilbert basis theorem, Cayley-Hamilton theorem, integral dependence, Noether normalization, the Nullstellensatz, localization, primary decomposition, discrete valuation rings, filtrations, completions and dimension theory.

Prerequisite: Mathematics 123.

Mathematics 222. Lie Groups and Lie Algebras

Catalog Number: 6738

Dennis Gaitsgory

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Lie theory, including the classification of semi-simple Lie algebras and/or compact Lie groups and their representations.

Prerequisite: Mathematics 114, 123 and 132.

Mathematics 223a (formerly Mathematics 251a). Algebraic Number Theory

Catalog Number: 8652

Barry C. Mazur and John T. Tate

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A graduate introduction to algebraic number theory. Topics: the structure of ideal class groups, groups of units, a study of zeta functions and L-functions, local fields, Galois cohomology, local class field theory, and local duality.

Prerequisite: Mathematics 129.

Mathematics 223b (formerly Mathematics 251b). Algebraic Number Theory

Catalog Number: 2783

Toby Gee



Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Continuation of Mathematics 223a. Topics: adeles, global class field theory, duality, cyclotomic fields. Other topics may include: Tate's thesis or Euler systems.

Prerequisite: Mathematics 223a.

Mathematics 230a. Differential Geometry

Catalog Number: 0372

Clifford Taubes

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Elements of differential geometry: Riemannian geometry, symplectic and Kaehler geometry, geodesics, Riemann curvature, Darboux's theorem, moment maps and symplectic quotients, complex and Kaehler manifolds, Dolbeault and de Rham cohomology.

Prerequisite: Mathematics 132 or equivalent.

Mathematics 230br. Advanced Differential Geometry

Catalog Number: 0504

Shlomo Z. Sternberg

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A continuation of Mathematics 230a. Topics in global Riemannian geometry: Ricci curvature and volume comparison; sectional curvature and distance comparison; Toponogov's theorem and applications; sphere theorems; Gromov's betti number bounds; Gromov-Hausdorff convergence; Cheeger's finiteness theorem, and convergence theorems.

Prerequisite: Mathematics 230a.

Mathematics 231a (formerly Mathematics 272a). Algebraic Topology

Catalog Number: 7275

Danijela Damjanovic

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Covering spaces and fibrations. Simplicial and CW complexes, Homology and cohomology, universal coefficients and Künneth formulas. Hurewicz theorem. Manifolds and Poincaré duality.

Prerequisite: Mathematics 131 and 132.

Mathematics 231br (formerly Mathematics 272b). Advanced Algebraic Topology

Catalog Number: 9127

Michael J. Hopkins

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Continuation of Mathematics 231a. Spectral sequences and techniques of computation. Vector bundles and characteristic classes. Bott periodicity. K-theory, cobordism and stable cohomotopy as examples of cohomology theories.

Prerequisite: Mathematics 231a.

Mathematics 232a (formerly Mathematics 260a). Introduction to Algebraic Geometry I

Catalog Number: 6168

Peter B. Kronheimer

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4



Introduction to complex algebraic curves, surfaces, and varieties.

Prerequisite: Mathematics 123 and 132.

Mathematics 232br (formerly Mathematics 260b). Introduction to Algebraic Geometry II

Catalog Number: 9205

Peter B. Kronheimer

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

The course will cover the classification of complex algebraic surfaces.

Prerequisite: Mathematics 232a.

[Mathematics 233a (formerly Mathematics 261a). Theory of Schemes I]

Catalog Number: 6246

Half course (fall term). Hours to be arranged.

An introduction to the theory and language of schemes. Textbooks: Algebraic Geometry by Robin Hartshorne and Geometry of Schemes by David Eisenbud and Joe Harris. Weekly homework will constitute an important part of the course.

Note: Expected to be given in 2009–10.

Prerequisite: Mathematics 221 and 232a or permission of instructor.

[Mathematics 233br (formerly Mathematics 261b). Theory of Schemes II]

Catalog Number: 3316

Half course (spring term). Hours to be arranged.

A continuation of Mathematics 233a. Will cover the theory of schemes, sheaves, and sheaf cohomology.

Note: Expected to be given in 2009–10.

Prerequisite: Mathematics 233a.

Mathematics 243 (formerly Mathematics 234). Evolutionary Dynamics

Catalog Number: 8136

Martin A. Nowak

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Advanced topics of evolutionary dynamics. Seminars and research projects.

Prerequisite: Experience with mathematical biology at the level of Mathematics 153.

Mathematics 254. Automorphic Forms and Galois Representations II - (New Course)

Catalog Number: 3245

Richard L. Taylor

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

A continuation of Mathematics 299r. We will probably concentrate on the proofs that various two dimensional representations of the absolute Galois group of $\mathbb{Q}$ are modular.

Mathematics 263. Spaces of Algebraic Curves - (New Course)

Catalog Number: 5950

Joseph D. Harris



Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

A study of the geometry of families of algebraic curves, in particular the Hilbert scheme parameterizing curves in projective space and the moduli space of abstract curves.

Mathematics 267. Introduction to Stochastic Calculus - (New Course)

Catalog Number: 9778

Hornng-Tzer Yau

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Review of probability theory with emphasis on Martingale theory. Definition of Brownian motion and its basic properties. Ito's calculus, Feynman-Kac formula and the connections to the partial differential equations.

Mathematics 274. Application of Analytic Methods to Algebraic Geometry - (New Course)

Catalog Number: 3577

Yum Tong Siu

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Applications of real-analytic and multiplier ideal sheaf techniques to effective problems in algebraic geometry, invariance of plurigena and finite generation of canonical ring.

Applications of algebraic-geometric techniques to partial differential equations through multiplier ideal sheaves.

Mathematics 276. Expander Graphs and Number Theory - (New Course)

Catalog Number: 7737

Nir Avni

Half course (spring term). M., W., F., at 4. EXAM GROUP: 9

Expander graphs, Ramanujan graphs, and their explicit constructions using representation theory. Topics may include: Lattices in algebraic groups, Property (T), Representation theory of $\mathrm{PGL}(2, \mathbb{Q} - p)$, Ramanujan conjecture.

Mathematics 277. Combinatorial Representation Theory - (New Course)

Catalog Number: 9651

Lauren K. Williams

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A study of topics at the intersection of combinatorics and representation theory, mainly a study of crystal bases (and related tableaux combinatorics), and cluster algebras (and related objects such as generalized associahedra and flag varieties).

Mathematics 278. Topics in the Mathematics of Bose and Fermi Gases - (New Course)

Catalog Number: 3450

Jun Yin

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Possible topics include interacting Bose and Fermi gases, BEC, superfluidity, Gross-Pitaevskii equation, low-dimensional behavior of three-dimensional gases, Foldy's "jellium" model, etc.

Prerequisite: Basic knowledge of real analysis and quantum mechanics.



Mathematics 286. Random Matrix Theory - (New Course)

Catalog Number: 8860

José Alexander Ramírez (University of Costa Rica)

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

The fundamentals of random matrix models used in mathematical physics. A focus on the Gaussian ensembles: GUE, GOE, and GSE.

Note: The course will assume a beginning graduate background.

Mathematics 289. p-Adic Realization of Motives - (New Course)

Catalog Number: 2200

Clark Barwick

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Motivated by the work of Simpson, Katzarkov, Pantev, and Toen on nonabelian Hodge theory, I will discuss various infinity-categories of motives and their realizations, with special emphasis on p-adic realizations.

Mathematics 299r. Graduate Tutorial in Number Theory

Catalog Number: 8799

Richard L. Taylor and members of the Department

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Automorphic and Galois Representations I. The construction of 2-dimensional Galois representations associated to modular forms, or more specifically, cohomological cuspidal automorphic representations of $GL(2)$ over totally real fields, and a discussion of the compatibility with local Langlands correspondence.

Graduate Courses of Reading and Research

***Mathematics 300. Teaching Undergraduate Mathematics - (New Course)**

Catalog Number: 3996

Robin Gottlieb 1021 and members of the Department

Half course (fall term). Tu., 2:30–4.

This course is for all first-year graduate students in Mathematics.

[*Mathematics 301. Theory and Practice of Teaching in the Mathematical Sciences]

Catalog Number: 4344

Note: Expected to be given in 2009–10.

***Mathematics 302. Topics in Dynamics of Group Actions**

Catalog Number: 5763

Danijela Damjanovic 5583

***Mathematics 304. Topics in Algebraic Topology**

Catalog Number: 0689

Michael J. Hopkins 4376



***Mathematics 306. Topics in Representation Theory - (New Course)**

Catalog Number: 9397

Nir Avni

***Mathematics 308. Topics in Number Theory and Modular Forms**

Catalog Number: 0464

Benedict H. Gross 1112 (on leave 2008-09)

***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 319. Topics in Representation Theory**

Catalog Number: 9591

John F. Duncan 5505

***Mathematics 321. Topics in Mathematical Physics**

Catalog Number: 2297

Arthur M. Jaffe 2095 (on leave spring term)

***Mathematics 327. Topics in Several Complex Variables**

Catalog Number: 0409

Yum Tong Siu 7550 (on leave fall term)

***Mathematics 333. Topics in Complex Analysis, Dynamics and Geometry**

Catalog Number: 9401

Curtis T. McMullen 3588

***Mathematics 335. Topics in Differential Geometry and Analysis**

Catalog Number: 5498

Clifford Taubes 1243

***Mathematics 342. Topics in Combinatorics**

Catalog Number: 0751

Thomas Lam 5322 (on leave spring term)

***Mathematics 345. Topics in Geometry and Topology**

Catalog Number: 4108

Peter B. Kronheimer 1759



***Mathematics 346y. Topics in Analysis: Quantum Dynamics**

Catalog Number: 1053

Horng-Tzer Yau 5260

***Mathematics 349. Topics in Algebraic Number Theory - (New Course)**

Catalog Number: 1487

Toby Gee

***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 356. Topics in Harmonic Analysis**

Catalog Number: 6534

Wilfried Schmid 5097

***Mathematics 365. Topics in Differential Geometry**

Catalog Number: 4647

Shing-Tung Yau 1734

***Mathematics 369. Topics in Derived Algebraic Geometry - (New Course)**

Catalog Number: 3401

Clark Barwick

***Mathematics 372. Topics in Mathematical Relativity**

Catalog Number: 1150

Lydia Rosina Bieri 5794

***Mathematics 379. Topics in Combinatorics**

Catalog Number: 3390

Lauren K. Williams 5499

***Mathematics 381. Introduction to Geometric Representation Theory**

Catalog Number: 0800

Dennis Gaitsgory 5259

***Mathematics 382. Topics in Algebraic Geometry**

Catalog Number: 2037

Joseph D. Harris 2055 (on leave spring term)



***Mathematics 388. Topics in Mathematics and Biology**

Catalog Number: 4687

Martin A. Nowak 4568

***Mathematics 389. Topics in Number Theory**

Catalog Number: 6851

Noam D. Elkies 2604

***Mathematics 394. Topics in Many-Body Quantum System - (New Course)**

Catalog Number: 9143

Jun Yin

Medical Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The 2008-09 membership of this Committee had not been determined at the time *Courses of Instruction* went to press; below is the Committee's most recent roster. If complete membership information for 2008-09 becomes available, it will be added to the on-line course catalog.

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(*Medical School*)

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K. Frank Austen, Astrazeneca Professor of Respiratory and Inflammatory Diseases (*Medical School*)
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Tomer Avidor-Reiss, Assistant Professor of Cell Biology (*Medical School*)
Dan Hung Barouch, Associate Professor of Medicine (*Medical School*)
Bruce P. Bean, Professor of Neurobiology (*Medical School*)
Jonathan R. Beckwith, American Cancer Society Professor of Microbiology and Molecular Genetics (*Medical School*)
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 Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)
 T. Keith Blackwell, Associate Professor of Pathology (*Medical School*)
 John Blenis, Professor of Cell Biology (*Medical School*)
 Michael Demian Blower, Assistant Professor of Genetics (*Medical School*)
 Richard S. Blumberg, Professor of Medicine (*Medical School*)
 Marianne Boes, Assistant Professor of Dermatology (*Medical School*)
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Judy Lieberman, Professor of Pediatrics (*Medical School*)
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Richard C. Mulligan, Mallinckrodt Professor of Genetics (*Medical School*)
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Anders Michael Naar, Assistant Professor of Cell Biology (*Medical School*)
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 Brian Seed, Professor of Genetics and Professor of Health Sciences and Technology (*Medical School*)
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 Julian L. Seifter, Associate Professor of Medicine (*Medical School*)
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Michael R. Wessels, Professor of Pediatrics (*Medical School*)
Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)
Sean P.J. Whelan, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Kristin White, Associate Professor of Dermatology (*Medical School*)
Morris F. White, Professor of Pediatrics (*Medical School*)
Malcolm Whitman, Professor of Developmental Biology (*Medical School*)
Rachel I. Wilson, Assistant Professor of Neurobiology (*Medical School*)
Fred Winston, Professor of Genetics (*Medical School*)
Dyann F. Wirth, Professor of Infectious Diseases (*Public Health*)
Michael S. Wolfe, Associate Professor of Neurology (*Medical School*)
Clifford Woolf, Richard J. Kitz Professor of Anaesthesia Research (*Medical School*)
Chao-Ting Wu, Professor of Pediatrics (Genetics) (*Medical School*)
Kai Wucherpfennig, Professor of Neurology (*Medical School*)
Priscilla Yang, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Bruce Yankner, Professor of Pathology (*Medical School*)
Junying Yuan, Professor of Cell Biology (*Medical School*)
Edmond J. Yunis, Professor of Pathology (*Medical School*)
Bruce R. Zetter, Charles Nowiszewski Professor of Cancer Biology (*Medical School*)
Jing Zhou, Associate Professor of Medicine (*Medical School*)
Leonard I. Zon, Grousbeck Professor of Pediatrics (*Medical School*)
Lee Zou, Assistant Professor of Medicine (*Medical School*)

The Division of Medical Sciences makes available to graduate students the facilities of the preclinical departments and research laboratories of the Harvard Medical School and its affiliated hospitals and institutions. The Division offers advanced courses and research in cell biology, biological chemistry and molecular pharmacology, genetics, immunology, microbiology and molecular genetics, neurosciences, pathology, physiology, and virology. Qualified



undergraduates may be admitted with the permission of the instructor and the student's department of concentration, as far as the facilities of the special laboratories permit. Inquiries should be addressed to the Division of Medical Sciences, Harvard Medical School, 260 Longwood Avenue, Boston, MA 02115, or telephone (617) 432-0162, email address dms@hms.harvard.edu.

For other courses in biological sciences, see listings of the Program in Biological Sciences in Public Health, Biophysics and Molecular and Cellular Biology.

Biological and Biomedical Sciences (BBS)

BBS is an interdepartmental program within the Division of Medical Sciences at Harvard Medical School. BBS faculty are primarily drawn from five preclinical departments of the Medical School and affiliated hospitals: Biological Chemistry and Molecular Pharmacology (BCMP); Cell Biology; Genetics; Human Biology and Translational Medicine (HBTM); Microbiology and Molecular Genetics; and Pathology.

Graduate Courses of Reading and Research

***BBS 333r. Introduction to Research in Biological and Biomedical Sciences**

Catalog Number: 1206

David L. Van Vactor (Medical School) 2089

Note: BBS students register for lab rotations under this course number.

***BBS 380. Reading and Research in Biological and Biomedical Sciences**

Catalog Number: 0349

David L. Van Vactor (Medical School) 2089

Biological Chemistry and Molecular Pharmacology

All courses in Biological Chemistry and Molecular Pharmacology are subject to limitation in enrollment and will not be offered unless there is sufficient demand. For courses in Neuropharmacology, see listings under Neurobiology. For more courses in biochemistry, see other listings in the FAS Biological Sciences section.

Primarily for Graduates

BCMP 200. Molecular Biology

Catalog Number: 5591

Johannes Walter (Medical School), Kami Ahmad (Medical School), Stephen Buratowski (Medical School), Alan D. D'Andrea (Medical School), Richard Ian Gregory (Medical School), Ralph Scully (Medical School), William Shih (Medical School), Jack Szostak (Medical School), and Gerhard Wagner (Medical School)

Half course (fall term). M., W., F., 10:30–12.



An advanced treatment of molecular biology's Central Dogma. Considers the molecular basis of information transfer from DNA to RNA to protein, using examples from eukaryotic and prokaryotic systems. Lectures, discussion groups, and research seminars.

Note: Offered jointly with the Medical School as BP 723.0.

Prerequisite: Intended primarily for graduate students familiar with basic molecular biology or with strong biology/chemistry background.

BCMP 201. Proteins: Structure, Function and Catalysis

Catalog Number: 5068

Antoine van Oijen (Medical School), Stephen C. Blacklow (Medical School), James J. Chou (Medical School), Michael J. Eck (Medical School), Frederick P. Roth (Medical School), and Michael S. Wolfe (Medical School)

Half course (spring term). Tu., Th., 9–10:30, W., 4:30–6.

Protein biochemistry with emphasis on the interrelated roles of protein structure, catalytic activity, and macromolecular interactions in biological processes. Both fundamental principles and experimental methods will be covered.

Note: Offered jointly with the Medical School as BP 714.0.

Prerequisite: The course is intended for all DMS graduate students and is open to advanced undergraduates.

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

Catalog Number: 0529 Enrollment: May be limited.

Donald M. Coen (Medical School), and associates.

Half course (spring term). Tu., Th., 3:30–5:30.

Application of molecular and structural biology, genetics, genomics, chemistry, and modern enzymology to drug action and development of new therapies. Analyzes molecular underpinnings of pharmacological principles. Examples drawn from diseases including cancer and AIDS.

Note: Offered jointly with the Medical School as BP 715.0. Primarily for graduate students.

[BCMP 210. Theory and Practice of Techniques in Molecular Biology]

Catalog Number: 1230

Welcome W. Bender (Medical School) and Stanley Tabor (Medical School)

Half course (fall term). M., W., F., 2–4.

Reviews principles of common lab techniques, discusses recent innovations. Topics: synthesis, separation and detection of nucleic acids and proteins, with traditional or high-throughput methods. Lectures, lab experiments, discussions, occasional field trips to core facilities.

Note: Expected to be given in 2009–10. Offered jointly with the Medical School as BP 725.0.

Prerequisite: Prior exposure to molecular techniques and current residence in a lab equipped for molecular work.

[*BCMP 213. Behavioral Pharmacology]

Catalog Number: 4782 Enrollment: Limited to 15.

Jack Bergman (Medical School) and Carol A. Paronis (Medical School)

Half course (spring term). Tu., Th., 3–4:30.

Introduction to CNS pharmacology and behavior in seminar format. Effects of psychomotor



stimulants, antischizophrenics, opioid analgesics, and antianxiety agents on behavior. Emphasis on methodology and pharmacological analysis; attention to tolerance, drug dependence/addiction.

Note: Expected to be given in 2009–10. Offered jointly with the Medical School as BP 719.0.

***BCMP 218. Molecular Medicine**

Catalog Number: 2049 Enrollment: Limited to 25.

Irving M. London (Medical School), David E. Cohen (Medical School), and George Q. Daley (Medical School)

Half course (fall term). Tu., 1–3.

The course involves close reading of primary scientific papers that illustrate classical paradigms in molecular medicine. Emphasis will be placed on papers that demonstrate the connections between defined molecular and genetic abnormalities and disease pathogenesis.

Note: Faculty mentors will guide student-led discussions of the papers. Jointly offered with the Medical School as HT 140.

Prerequisite: Molecular Biology and Biochemistry

BCMP 228. Macromolecular NMR

Catalog Number: 3969

Gerhard Wagner (Medical School) and James J. Chou (Medical School)

Half course (fall term). M., F., 2–3:30.

Theory and practice of modern methods of macromolecular structure determination using multi-dimensional NMR.

Note: Given in alternate years. Offered jointly with the Medical School as BP 722.0. Classroom lectures on Mondays and Fridays. Wednesdays are reserved for either classroom lectures or practical training and hands-on problem solving. The latter includes basic aspects of spectrometer operation, computer-based assignment of protein NMR spectra and structure calculation. Wednesday slots are reserved for registered students and are open ended for completing the training tasks.

BCMP 230. Principles and Practice of Drug Development

Catalog Number: 1295

Stan Neil Finkelstein (Medical School)

Half course (fall term). Th., 4–6:30.

Critical assessment of the major issues and stages of developing a pharmaceutical or biopharmaceutical. Drug discovery, preclinical development, clinical investigation, manufacturing and regulatory issues considered for small and large molecules. Economic considerations of the drug development process.

BCMP 234. Cellular Metabolism and Human Disease

Catalog Number: 9644

Thomas Michel (Medical School), Robert A. Lue and members of the departments

Half course (spring term). M., W., F., 9–10:30.

Cellular and organismal metabolism, with focus on interrelationships between key metabolic pathways and human disease states. Genetic and acquired metabolic diseases and functional consequences for specific organ systems. Lectures, conferences are integrated with clinical



encounters.

Note: Also listed as MCB 234. Lectures for this class are transmitted live to and from electronic classrooms located at HMS and in Cambridge; the inter-campus video link permits real-time interactions between students and faculty at each site. Small conference sections are held on both campuses; weekly clinical encounters take place only at the HMS classroom.

Prerequisite: Knowledge of introductory biochemistry, genetics, and cell biology required (MCB 52 and 54 or equivalent); one year of organic chemistry.

BCMP 235. Principles of Human Disease: Physiology and Pharmacology - (New Course)

Catalog Number: 3769

David E. Golan (Medical School), Julian L. Seifter (Medical School), and Alain Viel

Half course (fall term). M., W., F., 9–10:30.

Principles of human physiology, pathophysiology, and drug action-including mechanisms of organ function in health and disease, and strategies for designing drug-based therapeutic interventions-discussed in lectures, critical readings, clinical case scenarios, and patient presentations.

Note: Students may attend lectures in either Cambridge or Boston as lectures will be transmitted live from HMS to Cambridge and vice versa; the inter-campus link permits real-time interactions among students and faculty at both sites.

Prerequisite: Knowledge of introductory biochemistry, molecular biology, and cell biology required (MCB52 and MCB54 or equivalent); one year of organic chemistry.

Graduate Courses of Reading and Research

***BCMP 300. Enzyme Mechanisms**

Catalog Number: 1867

Christopher T. Walsh (Medical School) 2036

***BCMP 301. High Throughput Functional Proteomics**

Catalog Number: 1535

Edward E. Harlow (Medical School) 2863

***BCMP 308. Blood Coagulation and Vascular Biology**

Catalog Number: 3950

Bruce Furie (Medical School) 3937

***BCMP 309. Regulation of Membrane Protein and Lipid Dynamics: Molecular Mechanisms and Biological Implications**

Catalog Number: 1558

David E. Golan (Medical School) 1558

***BCMP 310. Molecular and Cellular Mechanisms of Insulin Action**

Catalog Number: 4299

Morris F. White (Medical School) 3158



***BCMP 311. Structure of Viruses, Viral Proteins, Receptors, Transcription Factors**

Catalog Number: 3623

Stephen C. Harrison (Medical School) 3597

***BCMP 314. Protein NMR Spectroscopy of Membrane Protein**

Catalog Number: 3449

James J. Chou (Medical School) 4950

***BCMP 315. Growth Factor Structure and Biological Activity**

Catalog Number: 6034

Michael Klagsbrun (Medical School) 3167

***BCMP 317. Structural and Cellular Biology of Insulin Signal Transduction, Insulin, Resistance, Diabetes and Obesity**

Catalog Number: 3354

Steven E. Shoelson (Medical School) 3951

***BCMP 319. Histone Variants and Chromosome Biology**

Catalog Number: 1748

Kami Ahmad (Medical School) 4592

***BCMP 320. Systems and Synthetic Biology**

Catalog Number: 0265

Pamela A. Silver (Medical School) 1595

***BCMP 322. Thyroid Hormone Metabolism and Action**

Catalog Number: 2050

Antonio C. Bianco (Medical School) 5387

***BCMP 324. Structure and Replication of DNA**

Catalog Number: 5059

Charles C. Richardson (Medical School) 2479

***BCMP 325. Genomic Instability and Cancer Susceptibility**

Catalog Number: 4110

Alan D. D'Andrea (Medical School) 3532

***BCMP 328. Computational Analysis of Sequence Variation and Divergence**

Catalog Number: 2468

Shamil R. Sunyaev (Medical School) 4671

***BCMP 329. Structure Biology of Cytoplasmic Signal Transduction**

Catalog Number: 5005

Michael J. Eck (Medical School) 1739



***BCMP 331. Graduate Research on the Molecular Basis of Neurodegenerative Diseases**

Catalog Number: 9727

Michael S. Wolfe (Medical School) 4543

***BCMP 332. Structural Neurology**

Catalog Number: 0276

Peter T. Lansbury (Medical School) 2115

***BCMP 335. Biochemical and Genetic Analysis of Eukaryotic Gene Expression**

Catalog Number: 8052

Stephen Buratowski (Medical School) 1790

***BCMP 337. Drosophila Molecular Genetics**

Catalog Number: 0782

Welcome W. Bender (Medical School) 7083

***BCMP 338. Eukaryotic Gene Regulation**

Catalog Number: 0549

Kevin Struhl (Medical School) 7415

***BCMP 339. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 3453

Marianne Wessling-Resnick (Public Health) 1315

***BCMP 340. Biologically Active Small Molecules**

Catalog Number: 8300

Jon Clardy (Medical School) 4667

***BCMP 343. Molecular Genetics of Herpes Viruses**

Catalog Number: 0868

Donald M. Coen (Medical School) 7617

***BCMP 344. Molecular Pharmacology of Excitable Membranes**

Catalog Number: 0200

Gary R. Strichartz (Medical School) 7530

***BCMP 345. Transcription Factors in Hematopoiesis and Leukemogenesis**

Catalog Number: 4792

Alan B. Cantor (Medical School) 5150

***BCMP 348. Chromatin and Cancer**

Catalog Number: 6409

Charles M. Roberts (Medical School) 5151



***BCMP 349. Targeting Deregulated Apoptotic and Transcriptional Pathways in Cancer**

Catalog Number: 1071

Loren D. Walensky (Medical School) 5665

***BCMP 350. Signaling Pathways in Pancreatic Cancer - (New Course)**

Catalog Number: 1254

Nabeel El-Bardeesy (Medical School) 6164

***BCMP 352. Chemical Mediators in Inflammation and Resolution**

Catalog Number: 4853

Charles N. Serhan (Medical School) 3163

***BCMP 353. Epigenomics and Chromatin Systems Biology**

Catalog Number: 8682

Yujiang Shi (Medical School) 5509

***BCMP 354. DNA Replication, Searching Mechanisms of DNA-Binding Factors**

Catalog Number: 6823

Antoine van Oijen (Medical School) 5084

***BCMP 355. Transcriptional Control of Hematopoiesis and Leukemia**

Catalog Number: 4489

Hanno Reinhard Hock (Medical School) 5660

***BCMP 356. NMR Spectroscopy of Proteins and Metabolites**

Catalog Number: 8093

Gerhard Wagner (Medical School) 2626

***BCMP 358. Targeting Apoptosis Regulation in Cancer**

Catalog Number: 6735

Anthony G. Letai (Medical School) 5663

***BCMP 359. Molecular Mechanisms of Signal Transduction**

Catalog Number: 8520

Elaine A. Elion (Medical School) 2941

***BCMP 360. Regulating Skeletal Myogenesis**

Catalog Number: 6934

Andrew B. Lassar (Medical School) 2946

***BCMP 361. X-Ray Crystallographic Studies of Viruses and Proteins**

Catalog Number: 4155

James M. Hogle (Medical School) 2943



***BCMP 362. Eukaryotic Survival Decisions**

Catalog Number: 4972

David E. Fisher (Medical School) 1800

***BCMP 363. The Mechanics and Regulation of Mitosis**

Catalog Number: 4981

David Pellman (Medical School) 3702

***BCMP 366. Stem Cells in Disease and Development**

Catalog Number: 9236

George Q. Daley (Medical School) 4951

***BCMP 370. Advanced Topics in Biological Chemistry and Molecular Pharmacology**

Catalog Number: 0482

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***BCMP 371. Initiation of Eukaryotic DNA Replication: A Biochemical Analysis**

Catalog Number: 3739

Johannes Walter (Medical School) 3846

***BCMP 372. Methods and Applications in Computational Molecular Biology**

Catalog Number: 1638

Frederick P. Roth (Medical School) 3912

***BCMP 373. Blood Coagulation and Vascular Biology**

Catalog Number: 5747

Barbara C. Furie (Medical School) 3936

***BCMP 374. Growth Factors and Signal Transduction**

Catalog Number: 1179

Michael R. Freeman (Medical School) 5169

***BCMP 375. Biomolecular Nanotechnology**

Catalog Number: 3288

William Shih (Medical School) 5256

***BCMP 376. Antibiotic Resistance and Organelle Assembly**

Catalog Number: 3033

Daniel E. Kahne 5065



***BCMP 377. Quantitative Proteomics of Cancer Progression**

Catalog Number: 5225

Jarrold Marto (Medical School) 5326

***BCMP 378. Mechanisms of Hepatic Cholesterol Elimination**

Catalog Number: 6669

David E. Cohen (Medical School) 3478

***BCMP 379. Biochemical and Molecular Regulation of Vascular Growth**

Catalog Number: 9374

Marsha Moses (Medical School) 5388

***BCMP 380. Chemical Approaches to Cell Division**

Catalog Number: 0726

Ulrike Sophie Eggert (Medical School) 5729

***BCMP 381. Functional Small Molecules for Biological Discovery**

Catalog Number: 8841

Nathanael Gray (Medical School) 5730

***BCMP 382. Mechanisms of RNAi in Stem Cells**

Catalog Number: 9601

Richard Ian Gregory (Medical School) 5743

***BCMP 383. Integrated and Functional Genomic Studies of Human Cancer - (New Course)**

Catalog Number: 5334

Levi Alexander Garraway (Medical School) 6203

***BCMP 384. Embryonic stem cells, Nuclear Transfer, Cancer, Reprogramming - (New Course)**

Catalog Number: 5330

Konrad Hochedlinger (Medical School) 6101

Cell Biology

Primarily for Graduates

[Cell Biology 201. Molecular Biology of the Cell](#)

Catalog Number: 1044

Malcolm Whitman (Medical School), Anupama Seshan (Medical School), and members of the Faculty.

Half course (spring term). M., W., 10:30–12, and sections F., at 10:30–12.

Molecular basis of cellular compartmentalization, protein trafficking, cytoskeleton dynamics, mitosis, cell locomotion, cell cycle regulation, signal transduction, cell-cell interaction, and cellular/biochemical basis of diseases. Methods covered: mass spectrometry, microscopy, and computational approaches to Cell Biology.



Note: Offered jointly with the Medical School as CB 713.0.

Prerequisite: Basic knowledge in biochemistry and genetics.

Cell Biology 207. Developmental Biology: Molecular Mechanisms of Vertebrate Development

Catalog Number: 2044 Enrollment: Limited to 25.

Andrew B. Lassar (Medical School), Patricia A. D'Amore (Medical School), Alan J. Davidson (Medical School), John G. Flanagan (Medical School), Xi He (Medical School), Jordan A. Kreidberg (Medical School), Richard L. Maas (Medical School), Clifford J. Tabin (Medical School), and Malcolm Whitman (Medical School)

Half course (spring term). W., F., 2–4.

Analyzes the developmental programs of frog, chick, zebrafish, and mouse embryos, emphasizing experimental strategies for understanding the responsible molecular mechanisms that pattern the vertebrate embryo.

Note: Offered jointly with the Medical School as CB 710.0. Includes lectures and conference sessions in which original literature is discussed in depth. Short research proposals are required in lieu of exams.

Cell Biology 211a. Molecular and Systems Level Cancer Cell Biology

Catalog Number: 5771

Piotr Sicinski (Medical School), Jarrod Marto (Medical School), and Marc Vidal (Medical School)

Half course (fall term). M., W., 12–1:30.

Examines the molecular and systems basis of cancer including alterations in signal transduction, cell cycle, apoptosis and DNA repair.

Note: Given in alternate years. Offered jointly with the Medical School as CB 704.0.

Prerequisite: General knowledge of biochemistry, molecular genetics, and cell biology.

[Cell Biology 214. Developmental Biology and Genetics]

Catalog Number: 3458 Enrollment: Limited to 14.

David L. Van Vactor (Medical School), Spyros Artavanis-Tsakonas (Medical School), and Jarema Malicki (Medical School)

Half course (fall term). W., 4–6, Th., 4:30–6:30.

The course will explore genetic tools for the analysis of developmental phenomena in flies, worms, and mice. We cover a continuum from pattern formation, cell growth, and cell fate to cell differentiation and morphogenesis.

Note: Expected to be given in 2009–10. Offered jointly with the Medical School as CB 720.0.

Contact course director at 617-432-2195 with questions.

Prerequisite: General genetics and developmental biology courses recommended.

Cell Biology 226. Concepts in Development, Self-Renewal, and Repair

Catalog Number: 8747 Enrollment: Limited to 14.

Laurel A. Raftery (Medical School), Alan J. Davidson (Medical School), Iain A. Drummond (Medical School), Niels Geijsen (Medical School), N. Nanda Nanthakumar (Medical School), Lizabeth A. Perkins (Medical School), and David T. Scadden (Medical School)

Half course (fall term). F., 2–5.



Explores developmental mechanisms through the life cycle, contrasting pluripotency and cell fate restriction in embryos and adult tissues. In depth analysis of in vivo approaches, with emphasis on adult stem cells, tissue repair and self-renewal.

Note: Offered jointly with the Medical School as CB 721.0. For more information visit:

www.mgh.harvard.edu/bbs/index.htm

Prerequisite: Upper division cell biology or equivalent.

Graduate Courses of Reading and Research

***Cell Biology 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 5825

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Cell Biology 304. Regulation of the Cell Cycle**

Catalog Number: 0414

Joan V. Ruderman (Medical School) 2622

***Cell Biology 307. Cell-Cell Signaling in Neural Development**

Catalog Number: 1911

John G. Flanagan (Medical School) 3149

***Cell Biology 308. Membrane Biology**

Catalog Number: 6173

Dennis A. Ausiello (Medical School) 1288

***Cell Biology 309. Coupled Interactions in Gene Expression Factories**

Catalog Number: 2523

Robin Reed (Medical School) 2319

***Cell Biology 310. Mechanisms of Vertebrate Hedgehog Signaling**

Catalog Number: 9189

Adrian Salic (Medical School) 5351

***Cell Biology 311. Cardiovascular Signal Transduction**

Catalog Number: 9196

Thomas Michel (Medical School) 4392

***Cell Biology 312. Molecular Mechanisms of Transcriptional Control**

Catalog Number: 8538

Anders Michael Naar (Medical School) 4328



***Cell Biology 314. Molecular Biology of Extracellular Matrix**

Catalog Number: 5077

Bjørn R. Olsen (Dental School) 1164

***Cell Biology 315. Biological Information Storage and Exchange**

Catalog Number: 9463

Michael Levin (Dental School) 4560

***Cell Biology 316. Mechanism and Function of Intracellular Protein Turnover**

Catalog Number: 1017

Alfred L. Goldberg (Medical School) 2827

***Cell Biology 317. Mechanisms of Programmed Cell Death**

Catalog Number: 2270

Junying Yuan (Medical School) 2105

***Cell Biology 318. Molecular Biology of Cell Growth Regulation and Transformation**

Catalog Number: 3355

John Blenis (Medical School) 2612

***Cell Biology 321. Neuronal Pathfinding and Synaptogenesis**

Catalog Number: 4841

David L. Van Vactor (Medical School) 2089

***Cell Biology 323. Biology of Membranes and Intercellular Junctions**

Catalog Number: 2651

Daniel A. Goodenough (Medical School) 4077

***Cell Biology 326. Signal Transduction During Early Development**

Catalog Number: 1872

Malcolm Whitman (Medical School) 3267

***Cell Biology 328. Receptor-Mediated Endocytosis**

Catalog Number: 0438

Tomas Kirchhausen (Medical School) 1155

***Cell Biology 329. The Ubiquitin-Proteasome Pathway**

Catalog Number: 6826

Daniel Finley (Medical School) 2313

***Cell Biology 330. Experimental Approaches to Developmental Biology**

Catalog Number: 6590 Enrollment: Limited to 8.

David L. Van Vactor (Medical School) and members of the Division.

Half course (fall term). M., through Sa., 9–7:30 p.m.

Provides a rapid survey of major topics and themes in developmental biology in parallel with hands-on exposure to a variety of experimental approaches, technologies and model systems



(*Drosophila*, *C. elegans*, *Xenopus*, chick & mouse).

Note: Open to all first-year BBS students; permission of the instructor required for all others.

***Cell Biology 332. Mass Spectrometry and Proteomics**

Catalog Number: 1568

Steven P. Gygi (Medical School) 3939

***Cell Biology 333. Electron Crystallographic Structure Determination of Leukotriene**

Catalog Number: 9254

Thomas Walz (Medical School) 3778

***Cell Biology 335. Signal Transduction**

Catalog Number: 2542

Lewis C. Cantley (Medical School) 1287

***Cell Biology 336. Signal Transduction in Normal and Transformed Cells**

Catalog Number: 6833

Joan S. Brugge (Medical School) 1486

***Cell Biology 339. Cell Morphogenesis and Regulation**

Catalog Number: 3898

Marc W. Kirschner (Medical School) 1078

***Cell Biology 340. Dissection of Angiogenic Signaling in Zebrafish**

Catalog Number: 7792

Joanne Chan (Medical School) 5391

***Cell Biology 341. Cilia: Formation, Function and Evolution**

Catalog Number: 5693

Tomer Avidor-Reiss (Medical School) 5352

***Cell Biology 342. Cytoskeleton in Development and Cancer**

Catalog Number: 4059

Sheila Thomas (Medical School) 3777

***Cell Biology 343. Mechanisms of Mammalian Cell Differentiation and Gene Expression**

Catalog Number: 0202

Bruce M. Spiegelman (Medical School) 7733

***Cell Biology 344. Molecular Mechanism of Signal Transduction**

Catalog Number: 6093

Xi He (Medical School) 2004

***Cell Biology 345. Protein Transport Across the Endoplasmic Reticulum Membrane**

Catalog Number: 6793

Tom Rapoport (Medical School) 1815



***Cell Biology 346. Signal Transduction by Receptor Tyrosine Kinases**

Catalog Number: 1591

Andrius Kazlauskas (Medical School) 2088

***Cell Biology 347. Cellular and Molecular Aspects of Insulin Action**

Catalog Number: 1494

C. Ronald Kahn (Medical School) 2019

***Cell Biology 349. Gene Silencing and Chromosome Structure**

Catalog Number: 8765

Danesh Moazed (Medical School) 4254

***Cell Biology 351. Cardiovascular Stem Cells in Development and Disease**

Catalog Number: 7604

Kenneth R. Chien (Medical School) 5667

***Cell Biology 353. Regulation of Epithelial Morphogenesis by TGF-beta Family Signaling**

Catalog Number: 8239

Laurel A. Raftery (Medical School) 8686

***Cell Biology 354. Basic and Applied Mechanisms of Intracellular Transport**

Catalog Number: 7605

Victor Wee Hsu (Medical School) 2606

***Cell Biology 356. Cell Growth Regulation, Telomere Maintenance and Human Diseases**

Catalog Number: 3718

Kun Ping Lu (Medical School) 2607

***Cell Biology 358. Mechanisms of Tumor Metastasis**

Catalog Number: 0606

Bruce R. Zetter (Medical School) 7737

***Cell Biology 359. Intracellular Signaling Pathways in the Regulation of Cell Growth and Differentiation**

Catalog Number: 0335

David A. Frank (Medical School) 3276

Cell Biology 360. Regulation and Execution of Apoptosis during Development in *Drosophila

Catalog Number: 6046

Kristin White (Medical School) 3955

***Cell Biology 361. Matrix Biology, Cell-Matrix Interactions in Health and Disease**

Catalog Number: 5561

Raghu Kalluri (Medical School) 4945



***Cell Biology 362. Molecular Basis of Pulmonary Hypertension, Hypoxia, Inflammation, and Stem Cell Biology**

Catalog Number: 4662

Stella Kourembanas (Medical School) 4958

***Cell Biology 364. The Structure of the Nucleus and the Dynamics of Nuclear Transport**

Catalog Number: 3582

Frank D. McKeon (Medical School) 1990

***Cell Biology 369. Genetics, Epigenetics, Molecular Biology, Chromatin**

Catalog Number: 1452

Andrew J. Chess (Medical School) 5662

***Cell Biology 370. Mitotic Kinases, Chromatin and Chromosome Segregation**

Catalog Number: 0661

Jonathan M. G. Higgins (Medical School) 5543

***Cell Biology 371. Nutrient Sensing and Metabolic Control**

Catalog Number: 5804

Pere B. Puigserver (Medical School) 5735

***Cell Biology 372. Cytoskeletal Dynamics**

Catalog Number: 5032

Timothy J. Mitchison (Medical School) 3713

***Cell Biology 373. Molecular Genetics of Cell Interaction in Development**

Catalog Number: 8133

Spyros Artavanis-Tsakonas (Medical School) 2609

***Cell Biology 376. Chemical Approaches to Cell Division and Cancer**

Catalog Number: 7680

Randy King (Medical School) 3941

***Cell Biology 377. Stem Cells, Islet Cell Function, Growth and Development**

Catalog Number: 7966

Rohit N. Kulkarni (Medical School) 5152

***Cell Biology 378. Bacterial Toxin Entry and Immunoglobulin Transport in Mucosal Epithelial Cells**

Catalog Number: 7656

Wayne I. Lencer (Medical School) 5153

***Cell Biology 379. BMP Signaling in Organogenesis**

Catalog Number: 2894

Vicki Rosen (Dental School) 4790



***Cell Biology 380. Cytoskeletal Mechanics of Blood Platelet Production**

Catalog Number: 9706

Joseph E. Italiano (Medical School) 5392

***Cell Biology 381. Molecular Mechanism of Microtubule-based Motility - (New Course)**

Catalog Number: 8578

Samara Louise Reck-Peterson (Medical School) 6165

***Cell Biology 383. Molecules and Pathways that Control Instinctive Behaviors - (New Course)**

Catalog Number: 8119

Stephen Daniel Liberles (Medical School) 6159

***Cell Biology 399. Nanocourses**

Catalog Number: 0087

Spyros Artavanis-Tsakonas (Medical School) 2609

Genetics

Primarily for Graduates

Genetics 201. Principles of Genetics

Catalog Number: 4225

Fred Winston (Medical School), Anne C. Hart (Medical School), Ann Hochschild (Medical School), and Mitzi I. Kuroda (Medical School)

Half course (fall term). M., W., F., 9–10:30.

An in-depth survey of genetics, beginning with basic principles and extending to modern approaches and special topics. We will draw on examples from various systems, including yeast, *Drosophila*, *C. elegans*, mouse, human and bacteria.

Note: Intended for first-year graduate students. Offered jointly with the Medical School as GN 701.0.

Genetics 202. Principles of Genetic Analysis in Humans - (New Course)

Catalog Number: 8064 Enrollment: Limited to 30.

Raju Kucherlapati (Medical School) and members of the department

Half course (spring term). Tu., Th., 10:30–12.

Comprehensive examination of the principles of human inheritance, in the context of both normal human variation and disease. Topics include human genome structure, sequence variation, population genetics, complex traits, association studies, and pharmacogenetics.

Prerequisite: Genetics 201 (or permission of the instructor) and basic knowledge of probability and statistics. Familiarity with bioinformatics and computational tools will be useful, but tutorial assistance will be provided where necessary.

[Genetics 206. Genetic and Functional Genomic Dissection of Development]

Catalog Number: 9852

Marc Vidal (Medical School), Norbert Perrimon (Medical School), and Gary B. Ruvkun



(Medical School)

Half course (spring term). Tu., 10–12.

Discuss classic examples of genetic analysis, as well as functional genomic and proteomic strategies in the context of developmental studies in yeast, *Drosophila*, and *C. elegans*.

Note: Expected to be given in 2009–10. Offered jointly with the Medical School as GN 704.0

Genetics 216. Advanced Topics in Gene Expression

Catalog Number: 2244

Robert E. Kingston (Medical School) and Fred Winston (Medical School)

Half course (spring term). Tu., 1–4.

Covers both biochemical and genetic studies in regulatory mechanisms. Small number of topics discussed in depth, using the primary literature. Topics range from prokaryotic transcription to eukaryotic development.

Note: Offered jointly with the Medical School as GN 703.0.

Prerequisite: BCMP 200 and Genetics 201.

[Genetics 218. Genotype to Phenotype: Epigenetics and Weird Stuff]

Catalog Number: 2252 Enrollment: Limited to 15.

Chao-Ting Wu (Medical School), Kami Ahmad (Medical School), Jeannie T. Lee (Medical School), and Danesh Moazed (Medical School)

Half course (spring term). Th., 1–4.

Explores lesser known forms of inheritance and gene regulation, focusing on the oddities of biology. Past topics include paramutation, RIP, behavioral genetics, adaptive mutation, meiotic drive, immortal DNA, nonrandom segregation of chromosomes, monoallelism, UCEs, etc.

Note: Expected to be given in 2009–10. Given in alternate years. Offered jointly with the Medical School as GN 724.0.

Prerequisite: Introductory course in genetics and molecular biology, or permission of the instructors.

Genetics 220. Molecular Biology and Genetics in Modern Medicine

Catalog Number: 4660

Anne Giersch (Medical School)

Half course (fall term). F., 9:30–12:30, Tu., 2–5.

Scientific, clinical, and ethical aspects of modern human genetics and molecular biology as applied to medicine. Covers genetic approaches and molecular underpinnings of inherited diseases and somatic/genetic diseases are integrated with patient presentations, discussions.

Note: Offered jointly with the Medical School as HT 160.

Genetics 228. Genetics in Medicine - From Bench to Bedside

Catalog Number: 9840 Enrollment: Limited to 15.

Pamela B. Sklar (Medical School) and Susan A. Slaughaupt (Medical School)

Half course (fall term). F., 2–5.

Focus on translational medicine: the application of basic genetic discoveries to human disease. Will discuss specific genetic disorders and the approaches currently used to speed the transfer of knowledge from the laboratory to the clinic.

Note: Course will include clinical presentations and lectures by investigators known for their



work in a specific disease area. Course will be held at MGH (transportation provided to MGH). Offered jointly with the Medical School as GN 711.0. For more information visit: www.mgh.harvard.edu/bbs.
Prerequisite: Genetics 201 or equivalent.

Graduate Courses of Reading and Research

***Genetics 300. Advanced Topics in Genetics**

Catalog Number: 1037

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Genetics 301. Research in Molecular Genetics and Molecular Oncology**

Catalog Number: 4780

Philip Leder (Medical School) 7527

***Genetics 303. Pathogenesis**

Catalog Number: 1972

Frederick Ausubel (Medical School) 4639

***Genetics 304. Molecular Genetics Basis of Human Disease, Particularly Cardiovascular Pathogenesis**

Catalog Number: 0693

Christine E. Seidman (Medical School) 3013

***Genetics 305. Genetics, Receptors and Ion Channels**

Catalog Number: 9027

Jing Zhou (Medical School) 3779

***Genetics 306. Inherited Human Disorders**

Catalog Number: 7324

Jonathan G. Seidman (Medical School) 7529

***Genetics 308. Molecular Biology of Signal Transduction**

Catalog Number: 5616

Brian Seed (Medical School) 7619

***Genetics 309. Gene Expression in Yeast**

Catalog Number: 3763

Fred Winston (Medical School) 7877



***Genetics 310. Molecular Approaches to Developmental Neurobiology**

Catalog Number: 6324

Constance L. Cepko (Medical School) 1150

***Genetics 311. Molecular Mechanisms of Transcription Regulation in Mammals**

Catalog Number: 7310

Robert E. Kingston (Medical School) 1153

***Genetics 312. Molecular Genetics of Development**

Catalog Number: 8363

Gary B. Ruvkun (Medical School) 1366

***Genetics 313. Genomic Approaches to Human Disease Genetics**

Catalog Number: 6059

David M. Altshuler (Medical School) 4307

***Genetics 314. Structure and Activities of Ribozymes**

Catalog Number: 7244

Jack Szostak (Medical School) 7096

***Genetics 315. Molecular Genetics of Inherited Disorders**

Catalog Number: 3362

James Gusella (Medical School) 1152

***Genetics 316. Transcriptional Regulatory Network Analyses**

Catalog Number: 2247

Martha L. Bulyk (Medical School) 4259

***Genetics 317. Signaling Networks in Development and Disease**

Catalog Number: 2271

Jordan A. Kreidberg (Medical School) 2080

***Genetics 318. Genome Structure**

Catalog Number: 5012

George M. Church (Medical School) 1608

***Genetics 319. Mouse Models of Human Disorders**

Catalog Number: 0860

David R. Beier (Medical School) 3519

***Genetics 321. Genetics of Embryonic Development in Drosophila**

Catalog Number: 6501

Norbert Perrimon (Medical School) 1679



***Genetics 322. Vertebrate Pattern Formation**

Catalog Number: 0436

Clifford J. Tabin (Medical School) 2430

***Genetics 323. Molecular Biology of V(D)J Recombination**

Catalog Number: 6950

Marjorie A. Oettinger (Medical School) 3172

***Genetics 325. Human Genetics, Genomics and Complex Traits**

Catalog Number: 8275

Joel N. Hirschhorn (Medical School) 4321

***Genetics 326. Human, Molecular and Mouse Genetics**

Catalog Number: 2900

David J. Kwiatkowski (Medical School) 3770

***Genetics 328. Lymphocyte Differentiation, Recombination, and Nuclear Oncogenes**

Catalog Number: 2702

Frederick W. Alt (Medical School) 3146

***Genetics 329. Genetic Analysis of Synaptic Transmission**

Catalog Number: 9734

Joshua M. Kaplan (Medical School) 3522

***Genetics 330. Critical Thinking and Research Proposal Writing**

Catalog Number: 0210 Enrollment: Limited to 25.

Monica P. Colaiacovo (Medical School) 4949 and members of the Faculty

Half course (spring term). Hours to be arranged.

A small group tutorial systematically guiding students in the writing of original, hypothesis-driven research proposals from initial topic selection through completion of a final draft.

Note: Open to all BBS students; others need permission of the instructor.

Prerequisite: Core course in genetics, cell biology, molecular biology, or biochemistry.

***Genetics 332. Combining Genetic and Biochemical Approaches to Dissect Tumor Suppressor Gene Function**

Catalog Number: 2975

Karen M. Cichowski (Medical School) 3932

***Genetics 334. Genomics and the Genetics of Human Disease**

Catalog Number: 5144

Raju Kucherlapati (Medical School) 4324

***Genetics 335. Epigenetics, Homology Effects, Genetics, and Gene Regulation**

Catalog Number: 4982

Chao-Ting Wu (Medical School) 3535



***Genetics 336. Developmental Biology of Hematopoiesis**

Catalog Number: 7165

Leonard I. Zon (Medical School) 1137

***Genetics 337. Human Molecular Genetics**

Catalog Number: 7194

Stuart H. Orkin (Medical School) 7402

***Genetics 340. A Genetic Approach to Iron Biology**

Catalog Number: 2936

Nancy Andrews (Medical School) 1589

***Genetics 341. Development and Homeostasis of the Skeleton**

Catalog Number: 8874

Matthew L. Warman (Dental School) 5875

***Genetics 342. Genetic Analysis of Zebrafish Kidney Organogenesis**

Catalog Number: 4498

Iain A. Drummond (Medical School) 5350

***Genetics 344. Computational Genomics**

Catalog Number: 2125

Peter J. Park (Medical School) 5917

***Genetics 348. Molecular Genetics of Human Leukemias**

Catalog Number: 5908

D. Gary Gilliland (Medical School) 2068

***Genetics 350. Genetic Regulation of Organogenesis and Organ Regeneration**

Catalog Number: 4974

Richard L. Maas (Medical School) 3703

***Genetics 351. Drosophila, a Model Genetic System to Study Signal Transduction**

Catalog Number: 4998

Lizabeth A. Perkins (Medical School) 1604

***Genetics 353. Genetics of Human Disease**

Catalog Number: 6608

Susan A. Slaughaupt (Medical School) 5483

***Genetics 355. Molecular Genetics of Human Neuromuscular Diseases**

Catalog Number: 9253

Alan H. Beggs (Medical School) 1422



***Genetics 357. Lung Stem Cell Biology and Cancer**

Catalog Number: 9494

Carla Kim (Medical School) 5742

***Genetics 358. Mammalian Embryonic Patterning**

Catalog Number: 8297

Susan M. Dymecki (Medical School) 1736

***Genetics 359. Cancer and Development, Thrombopoiesis, Intestinal Development**

Catalog Number: 9880

Ramesh Arjun Shivdasani (Medical School) 4538

***Genetics 360. Microtubule Associated RNAs During Mitosis**

Catalog Number: 5677

Michael Demian Blower (Medical School) 5733

***Genetics 361. Mechanism of X-inactivation in Mammals**

Catalog Number: 9152

Jeannie T. Lee (Medical School) 2129

***Genetics 362. Molecular Biology and Genetics of Cancer**

Catalog Number: 9382

David Morse Livingston (Medical School) 4872

***Genetics 363. Cell Polarity in the Vertebrate Embryo**

Catalog Number: 8658

Jarema Malicki (Medical School) 2202

***Genetics 364. Development Application of Mammalian Vectors**

Catalog Number: 7930

Richard C. Mulligan (Medical School) 2274

***Genetics 365. Organogenesis of the Kidney**

Catalog Number: 9059

Alan J. Davidson (Medical School) 5668

***Genetics 366. Molecular Genetic Approaches to Human Disease Mechanisms**

Catalog Number: 8153

Marcy E. MacDonald (Medical School) 2635

***Genetics 367. Mechanisms Governing Normal Cell Growth, Cancer and Aging**

Catalog Number: 2500

Ronald A. DePinho (Medical School) 2637



***Genetics 369. Molecular Mechanisms of Plant Signal Transduction**

Catalog Number: 3010

Jen Sheen (Medical School) 3892

***Genetics 370. Molecular Basis of Breast Cancer Initiation and Progression**

Catalog Number: 4519

Kornelia Polyak (Medical School) 3898

***Genetics 371. To Generate a Comprehensive Protein-Interaction Map for *C. elegans* and Develop New Concepts to Integrate this Map with Other Functional Maps such as Expression Profiles and Global Phenotypic Analysis**

Catalog Number: 2190

Marc Vidal (Medical School) 3914

***Genetics 373. Kidney Disease, Genetics, Cytoskeleton**

Catalog Number: 3875

Martin R. Pollak (Medical School) 4329

***Genetics 374. Research On Mechanisms Underlying Meiotic Chromosome Segregation**

Catalog Number: 4419

Monica P. Colaiacovo (Medical School) 4949

***Genetics 375. Genomics of Leukemia**

Catalog Number: 2335

Scott A. Armstrong (Medical School) 4947

***Genetics 376. Cell Cycle Control and Genomic Integrity**

Catalog Number: 3788

Stephen J. Elledge (Medical School) 4954

***Genetics 377. Molecular Genetics of Chromosome Organization and Gene Expression**

Catalog Number: 0811

Mitzi I. Kuroda (Medical School) 4959

***Genetics 379. Applying Population Genetics to Find Disease Genes**

Catalog Number: 1677

David Emil Reich (Medical School) 4965

***Genetics 380. Molecular Approaches to Metabolism and Energy Balance**

Catalog Number: 4688

Evan David Rosen (Medical School) 4966

***Genetics 381. Genetics of Psychiatric Disorders**

Catalog Number: 1377

Pamela B. Sklar (Medical School) 5154



***Genetics 382. Muscle Stem Cell Commitment and Differentiation**

Catalog Number: 2626

Emanuela Gussoni (Medical School) 5155

***Genetics 383. Germ Cell Development, Pluripotency and Epigenetic Reprogramming**

Catalog Number: 2862

Niels Geijsen (Medical School) 5386

***Genetics 384. Cardiogenesis and Cardiac Morphogenesis**

Catalog Number: 7079

William T. Pu (Medical School) 5396

***Genetics 386. Models of Cardiac Development and Disease - (New Course)**

Catalog Number: 1127

John David Mably (Medical School) 6160

***Genetics 387. Stem Cells and Developmental Biology - (New Course)**

Catalog Number: 4080

Chad A. Cowan (Medical School) 6099

***Genetics 390. Experimental Approaches in Genetic Analysis - (New Course)**

Catalog Number: 8039 Enrollment: Limited to 8.

Fred Winston (Medical School) 7877 and members of the department

Half course (fall term). M. through Sa., 8:30–7 p.m.

A survey of major themes in genetics combined with exposure to various experimental techniques, technologies, and model systems. Combines lectures and hands-on laboratory activities emphasizing experimental methods, hypothesis generation and testing, and data analysis.

Note: Limited to 8 students. Priority will be given to G1 graduate students. Students must first contact Sarah Wojiski sarah.wojiski@hms.harvard.edu or 2-7468 for enrollment approval prior to registration for the course. Meeting Dates/Times: January 8 - January 23 (no class on Sundays) Approximately 8:30 am-7:00 pm each day. All meals will be provided.

Prerequisite: Students must also enroll in, or have taken Genetics 201.

Human Biology and Translational Medicine

Graduate Courses of Reading and Research

***Human Biology and Translational Medicine 300. Advanced Topics in Human Biology and Translational Medicine**

Catalog Number: 4302

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this



course. Please contact us at 617-432-0162 or visit the DMS Office at TMEC 435, 260 Longwood Avenue, Boston.

***Human Biology and Translational Medicine 302. Molecular Cellular Pathophysiology of Ion Transport**

Catalog Number: 3462

Seth L. Alper (Medical School) 1275

***Human Biology and Translational Medicine 303. Cystic Fibrosis and Fatty Acid Metabolism**

Catalog Number: 5376

Steven D. Freedman (Medical School) 5921

***Human Biology and Translational Medicine 304. Resolution of Lung Inflammation and Injury**

Catalog Number: 1421

Bruce D. Levy (Medical School) 5922

***Human Biology and Translational Medicine 305. Endothelial Cell, Nitric Oxide, Proteomic Redox Regulation**

Catalog Number: 9077

Joseph Loscalzo (Medical School) 5923

***Human Biology and Translational Medicine 306. Cardiovascular Disease, Diabetes, Biomarkers, Women's Health**

Catalog Number: 2876

JoAnn Manson (Medical School) 5924

***Human Biology and Translational Medicine 307. Signal Transduction in Heart Failure and Atherosclerosis**

Catalog Number: 1294

Anthony Rosenzweig (Medical School) 5925

***Human Biology and Translational Medicine 308. Cancer Biology: Metabolism and Angiogenesis**

Catalog Number: 5913

Vikas P. Sukhatme (Medical School) 1835

***Human Biology and Translational Medicine 309. Energy Metabolism and Metabolic Signaling**

Catalog Number: 4331

Rong Tian (Medical School) 5926

***Human Biology and Translational Medicine 310. Bioimaging, Nanomaterials and Systems Biology**



Catalog Number: 4536
Ralph Weissleder (Medical School) 5927

***Human Biology and Translational Medicine 311. Kidney Injury and Repair**

Catalog Number: 2495
Joseph Vincent Bonventre (Medical School) 5957

***Human Biology and Translational Medicine 312. The Development, Physiology, and Pathophysiology of GnRH Neurons in Humans**

Catalog Number: 7114
William Francis Crowley (Medical School) 5958

***Human Biology and Translational Medicine 313. Epidemiology of Chronic Diseases**

Catalog Number: 2036
Gary Craig Curhan (Medical School) 5959

***Human Biology and Translational Medicine 314. Skin Immunology T Cell Trafficking Lymphoma**

Catalog Number: 2368
Thomas Seth Kupper (Medical School) 5960

***Human Biology and Translational Medicine 315. Hypothalamic Gene Function and Regulation**

Catalog Number: 1577
Joseph A. Majzoub (Medical School) 1875

***Human Biology and Translational Medicine 316. Innovative Medical Devices and Procedures**

Catalog Number: 9233
John Albert Parrish (Medical School) 5961

***Human Biology and Translational Medicine 317. Adhesion, Integrins, Hematopoiesis, Kidney Genetics - (New Course)**

Catalog Number: 5746
M. Amin Arnaout (Medical School) 1822

***Human Biology and Translational Medicine 318. Steroid Hormone Receptors and Prostate Cancer - (New Course)**

Catalog Number: 7992
Steven Paul Balk (Medical School) 6166

***Human Biology and Translational Medicine 319. Molecular Regulation of Granulocyte Differentiation - (New Course)**

Catalog Number: 4496
Nancy Berliner (Medical School) 6167



***Human Biology and Translational Medicine 320. Endothelial Progenitors in Health Disease - (New Course)**

Catalog Number: 8324

Joyce E. Bischoff (Medical School) 1448

***Human Biology and Translational Medicine 321. Cardiac Regeneration and Repair - (New Course)**

Catalog Number: 2455

Richard Theodore Lee (Medical School) 6168

***Human Biology and Translational Medicine 322. Cardiac Repair and Regeneration - (New Course)**

Catalog Number: 4398

Ronglih Liao (Medical School) 6169

***Human Biology and Translational Medicine 323. Cardiovascular Biology in Human and Zebrafish - (New Course)**

Catalog Number: 5160

Calum Archibald MacRae (Medical School) 6170

***Human Biology and Translational Medicine 324. Engineering of Human Antibodies - (New Course)**

Catalog Number: 3910

Wayne A. Marasco (Medical School) 6171

***Human Biology and Translational Medicine 325. Genetics of Blood Development - (New Course)**

Catalog Number: 7279

Barry Htin Paw (Medical School) 6172

***Human Biology and Translational Medicine 326. Human Genetics of Neuroinflammatory and Neurodegenerative Disorders - (New Course)**

Catalog Number: 1515

Philip Lawrence De Jager (Medical School) 6233

***Human Biology and Translational Medicine 327. Translational Research on Kinase Inhibitors - (New Course)**

Catalog Number: 0138

Pasi Antero Janne (Medical School) 6234

***Human Biology and Translational Medicine 328. Translational Immunology In Immunocompromised Hosts - (New Course)**

Catalog Number: 8917

Ofer Levy (Medical School) 6236



***Human Biology and Translational Medicine 329. Developing Targeted Therapies for Cancer - (New Course)**

Catalog Number: 6232

Jeffrey Adam Engelman (Medical School) 6225

***Human Biology and Translational Medicine 330. Developmental Biology/Genetics (Congenital Anomalies, Cancer) - (New Course)**

Catalog Number: 8982

Patricia K. Donahoe (Medical School) 3252

***Human Biology and Translational Medicine 331. Tumor Angiogenesis and microenvironment: Bench-to-bedside - (New Course)**

Catalog Number: 8347

Rakesh K. Jain (Medical School) 2079

***Human Biology and Translational Medicine 340. (LHB). Disease-Centered Tutorial Clinics - (New Course)**

Catalog Number: 8640 Enrollment: Limited to LHB students only.

Jordan A. Kreidberg (Medical School) 2080

HBTM focuses on providing rigorous multidisciplinary training in the fundamental mechanisms and essential methodologies of human biology and disease-oriented research, and in the translation of these discoveries into advances in the diagnosis, prevention, and treatment of human disease.

Immunology

All courses in Immunology are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

[*Immunology 201. Principles of Immunology](#)

Catalog Number: 8337 Enrollment: Limited to 40.

Michael C. Carroll (Medical School), Ulrich H. Von Andrian-Werburg (Medical School) and members of the Faculty

Half course (fall term). Tu., Th., 1:30–3, with section Tu., Th., 3–4.

Comprehensive core course in immunology. Topics include a broad but intensive examination of the cells and molecules of the immune system. Special attention given to the experimental approaches that led to general principles of immunology.

Note: Intended for students who have had prior exposure to immunology on the undergraduate level. In the absence of such exposure, students *must* obtain the permission of the Course Director. Offered jointly with the Medical School as IM 702.0.

Prerequisite: A background in genetics and biochemistry strongly recommended.



Immunology 202. Advanced Principles of Immunology

Catalog Number: 5674

D. Branch Moody (Medical School) and Martin E. Hemler (Medical School)

Half course (spring term). Tu., Th., 1:30–4.

Continuation of Immunology 201 as an intensive core course in fundamentals of the immune system. Emphasis on systems of immunity. Critical reading of primary literature.

Note: Offered jointly with the Medical School as IM 712.0.

Prerequisite: Immunology 201 or its equivalent.

Immunology 204. Critical Readings for Immunology

Catalog Number: 9563

Shannon Turley (Medical School) and Carl D. Novina (Medical School)

Half course (spring term). Th., 10–1.

Original research articles from fields including immunology, biochemistry, genetics, and cell and developmental biology will be critically analyzed in an intensive small group format. Grading will be based on class participation and oral presentations.

Note: Required for first-year immunology students, open to second-year immunology students.

No auditors. Offered jointly with the Medical School as IM 703.0.

[*Immunology 219. The Primary Immunodeficiencies]

Catalog Number: 1873

Cox Terhorst (Medical School), Raif S. Geha (Medical School), and Luigi D. Notarangelo (Medical School)

Half course (spring term). M., 4–6.

This course discusses the mechanisms that underlie the pathogenesis of genetically determined primary immunodeficiencies and selected autoimmune diseases. Evaluates the use of animal models for study and therapy of human disease states.

Note: Expected to be given in 2009–10. 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 dissertation problem, carried out under the supervision of the following faculty members whose special research interests are listed.

***Immunology 300. Advanced Topics in Immunology**

Catalog Number: 4739

David Lopes Cardozo (Medical School) 5995

Reading and discussion seminars each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit. Topics include the role of intracellular and transmembrane protein phosphates in signal transduction.

Note: Intended for first- and second-year Immunology graduate students. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Call 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Immunology 301. Immunology Seminar**

Catalog Number: 4971



Michael C. Carroll (Medical School) 2050

Gives students exposure to research topics in Immunology. Students prepare for the weekly seminar through readings and occasional discussion with the seminar speakers. These discussions are facilitated by members of the Committee on Immunology.

Note: Intended for first- and second-year Immunology graduate students.

***Immunology 302. Molecular Basis of Humoral Immunologic Inflammation**

Catalog Number: 1355

K. Frank Austen (Medical School) 1571

***Immunology 303. Immunity to Tuberculosis**

Catalog Number: 9490

Samuel M. Behar (Medical School) 4570

***Immunology 306. Immunochemical Aspects of Immune Reactions**

Catalog Number: 1536

Stuart F. Schlossman (Medical School) 3593

***Immunology 307. Immunobiology of Transplantation**

Catalog Number: 1609

Charles B. Carpenter (Medical School) 2016

***Immunology 308. Gene Regulation in the Immune Response**

Catalog Number: 6895

Anjana Rao (Medical School) 1854

***Immunology 309. Molecular Aspects of Lymphocyte Interactions**

Catalog Number: 3778

Cox Terhorst (Medical School) 6280

***Immunology 314. Immunobiology of Antigen-Antibody Complexes**

Catalog Number: 8065

Peter H. Schur (Medical School) 4551

***Immunology 315. Immunoregulation**

Catalog Number: 5540

Martin E. Dorf (Medical School) 4541

***Immunology 316. Molecular Basis of Immunologic Recognition and Communication**

Catalog Number: 3192

Harvey Cantor (Medical School) 4460

***Immunology 317. Molecular Biology of Receptor Transduction in the Immune System**

Catalog Number: 0518

Brian Seed (Medical School) 7619



***Immunology 319. Molecular Basis of Cell Adhesion and Migration**

Catalog Number: 0293

Timothy A. Springer (Medical School) 6145

***Immunology 323. Research in Molecular Immunology**

Catalog Number: 3425

Laurie H. Glimcher (Public Health) 1362

***Immunology 324. T-cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 1905

Christophe O. Benoist (Medical School) 3928

***Immunology 325. Immune Cell Interactions Controlling T Cell Effector Function - (New Course)**

Catalog Number: 1078

Thorsten Roman Mempel (Medical School) 6173

***Immunology 326. Human T-cell Antigen Receptor; Human Lymphocyte Differentiation Antigens**

Catalog Number: 6719

Ellis L. Reinherz (Medical School) 1408

***Immunology 327. Chemical Cell Biology**

Catalog Number: 0824

Stuart L. Schreiber 2166

***Immunology 328r. Introduction to Research**

Catalog Number: 5531

Michael C. Carroll (Medical School) 2050

***Immunology 329. Basic and Clinical Mechanisms of Autoimmunity**

Catalog Number: 0354

Howard L. Weiner (Medical School) 1335

***Immunology 330. Molecular Aspects of Mast Cells—Mediated Immune Responses**

Catalog Number: 7296

Richard L. Stevens (Medical School) 2892

***Immunology 331. Lymphoid Organs**

Catalog Number: 5725

Joan E. Stein-Streilein (Medical School) 4769

***Immunology 332. The Role of Cys-Lts in Antigen-Induced Pulmonary Inflammation and the Mechanism of Cys-LT-Mediated Pulmonary Fibrosis**

Catalog Number: 9530

Yoshihide Kanaoka (Medical School) 5401



***Immunology 333. Immunopathogenesis of Viral Diseases**

Catalog Number: 2430

Norman Letvin (Medical School) 2317

***Immunology 335. T-Cell Receptor Interactions in Autoimmune Diseases**

Catalog Number: 4027

David Hafler (Medical School) 2616

***Immunology 336. T-Lymphocyte Recognition and Adhesion**

Catalog Number: 7292

Michael B. Brenner (Medical School) 2864

***Immunology 337. Development of Mucosal Immunologic Factor**

Catalog Number: 1320

W. Allan Walker (Medical School, Public Health) 1175

***Immunology 339. Function and Regulation of Cellular Adhesion Mechanisms**

Catalog Number: 7841

Martin E. Hemler (Medical School) 2868

***Immunology 340. The Human Major Histocompatibility Complex, Immune Function, and Disease**

Catalog Number: 6650

Chester Alper (Medical School) 2951

***Immunology 341. Transcriptional Regulation of Stem Cell and Myeloid Cell Genes in Order to Understand Normal Myeloid Differentiation and Leukemia**

Catalog Number: 9403

Daniel G. Tenen (Medical School) 1172

***Immunology 342. Immune Cell Signaling, Gene Transcription and Tissue Injury in Lupus.**

Catalog Number: 7829

George C. Tsokos (Medical School) 5911

***Immunology 343. The Regulation of Eicosanoid Generation**

Catalog Number: 8593

Jonathan P. Arm (Medical School) 4946

***Immunology 344. Genetic Analysis of Lymphocyte Development and Nuclear Oncogene Function**

Catalog Number: 6438

Frederick W. Alt (Medical School) 3146

***Immunology 345. Assembly and Function of pre-B Cell-fate and B Lymphocyte Antigen Receptors**



Catalog Number: 0866
Shiv S. Pillai (Medical School) 3393

***Immunology 346. The Role of Complement in the Immune Response**

Catalog Number: 1755
Michael C. Carroll (Medical School) 2050

***Immunology 347. Mechanisms Underlying the Unique Ability of Antigen Presenting Cells to Activate Naïve T Lymphocytes**

Catalog Number: 9833
Marianne Boes (Medical School) 5385

***Immunology 348. Cell Biology, Biochemistry, and Immunology of Leukocyte-endothelial Adhesion**

Catalog Number: 0901
Francis W. Luscinskas (Medical School) 3772

***Immunology 349. Mechanisms of T Cell and NK Cell Tolerance**

Catalog Number: 1241
Megan Sykes (Medical School) 1131

***Immunology 350. Regulation of Autoimmune T Cell Responses**

Catalog Number: 1916
Vijay K. Kuchroo (Medical School) 2041

***Immunology 351. Studies on Trafficking of Lymphocytes to Skin and of Tumor Cells to Organ-Specific Sites of Metastasis**

Catalog Number: 1875
Charles J. Dimitroff (Medical School) 5521

***Immunology 352. Using Biochemical, Cellular and Mouse Genetics Approaches to Dissect the Innate Immune Signaling Pathways of Toll-like Receptors and NBD-LRR (Nod) Proteins**

Catalog Number: 1572
Koichi S. Kobayashi (Medical School) 5522

***Immunology 353. Innate and Adaptive Immune Responses in HIV-1 Infection**

Catalog Number: 6000
Marcus Altfeld (Medical School) 5689

***Immunology 354. Topics in Transplantation Biology**

Catalog Number: 1459
David H. Sachs (Medical School) 1075



***Immunology 356. Cytotoxic T Lymphocytes**

Catalog Number: 8232

Judy Lieberman (Medical School) 1542

***Immunology 357. T Cell-Epithelial Cell Interactions in Mucosal Community**

Catalog Number: 2111

Richard S. Blumberg (Medical School) 2351

***Immunology 358. Self-renewal and Lineage Commitment of Hematopoietic Stem Cells**

Catalog Number: 1619

Koichi Akashi (Medical School) 5288

***Immunology 359. Immunoregulatory Mechanisms Affecting the Development of Pulmonary Inflammation, Asthma, and Allergy in Mice and Humans**

Catalog Number: 3037

Dale T. Umetsu (Medical School) 5289

***Immunology 360. Focus on Stem Cells and the Stem Cell Niche**

Catalog Number: 8952

David T. Scadden (Medical School) 2649

***Immunology 361. Induction and Regulation of Antigen-specific T Cell Responses**

Catalog Number: 7578

Gilles A. Benichou (Medical School) 2652

***Immunology 362. Basic Biology and Pathobiology of the Chemokine Superfamily of Cytokines**

Catalog Number: 3817

Andrew D. Luster (Medical School) 2654

***Immunology 363. Regulation of Mast Cell Activation by Stimulatory and Inhibitory Receptors**

Catalog Number: 6813

Howard R. Katz (Medical School) 2837

***Immunology 364. T-Cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 0972

Diane J. Mathis (Medical School) 3063

***Immunology 365. Mucosal T Cell Mediated Immunity and Tolerance**

Catalog Number: 4204

Cathryn R. Nagler (Medical School) 1022

***Immunology 366. Molecular Regulation of T Cell Cytokine Production and T Cell Interactions with the Blood Vessel Wall**



Catalog Number: 6676

Andrew H. Lichtman (Medical School) 3523

***Immunology 367. Biology and Chemistry of Complement Problems**

Catalog Number: 8080

Anne Nicholson-Weller (Medical School) 1063

***Immunology 368. Cytotoxic Lymphocytes**

Catalog Number: 8986

Paul J. Anderson (Medical School) 1947

***Immunology 369. Mechanisms of Autoimmune Disease**

Catalog Number: 6787

Vicki R. Kelley (Medical School) 2656

***Immunology 370. Mechanisms of Autoimmunity in Inflammatory Arthritis**

Catalog Number: 6285

David M. Lee (Medical School) 5915

***Immunology 371. Cellular and Molecular Mechanisms of Eosinophil and Other Leukocyte Involvement in Allergic Flammation**

Catalog Number: 3716

Peter F. Weller (Medical School) 2657

***Immunology 373. Biology of Histocompatibility Systems in Man and Experimental Animals; Immunology of Aging**

Catalog Number: 6317

Edmond J. Yunis (Medical School) 6036

***Immunology 374. Tumor Necrosis Factor-Alpha Gene Regulation in the Immunopathogenesis of AIDS and TB**

Catalog Number: 4558

Anne E. Goldfeld (Medical School) 1008

***Immunology 375. Biology and Function of Immunoreceptors**

Catalog Number: 0510

Jean-Pierre Kinet (Medical School) 2663

***Immunology 376. Regulation of IgE Reponses; 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 Wucherpennig (Medical School) 2481

***Immunology 379. Induction of Immunological Tolerance by Gene Therapy**

Catalog Number: 9300

John J. Iacomini (Medical School) 2643

***Immunology 380. Control of Leukocyte Trafficking and the Immune Response By Chemokines and Other Cytokines**

Catalog Number: 4872

Barrett J. Rollins (Medical School) 3775

***Immunology 381. Lymphocyte Development, Signaling, Immunoregulation**

Catalog Number: 0839

Harald Von Boehmer (Medical School) 3302

***Immunology 382. AIDS Immunopathogenesis and Immune Reconstitution**

Catalog Number: 0468

Robert P. Johnson (Medical School) 6125

***Immunology 383. Translational Approaches In Transplantation and Tumor Immunity**

Catalog Number: 4590

Lee M. Nadler (Medical School) 3773

***Immunology 384. The Role of Cysteinyl Leukotrienes and Nucleotide Receptors in Control of Pulmonary Allergic Immunity - (New Course)**

Catalog Number: 1056

Joshua A. Boyce (Medical School) 6230

***Immunology 385. Transcriptional Regulation of T Lymphocyte Activation and Differentiation**

Catalog Number: 1243

I-Cheng Ho (Medical School) 2764

***Immunology 387. Microbial Pattern Recognition and Signaling in Innate Immunity**

Catalog Number: 6065

Christine Kocks (Medical School) 5753

***Immunology 388. Immunology and Molecular Biology of Schistosoma Mansoni**

Catalog Number: 5640

Donald A. Harn (Public Health) 2051

***Immunology 389. Development of Cancer Vaccines**

Catalog Number: 4106

Glenn Dranoff (Medical School) 1821



***Immunology 391. Transcription Factors in Lymphocyte Commitment and Differentiation**

Catalog Number: 5285

Katia Georgopoulos (Medical School) 2070

***Immunology 392. Dendritic Cells and the Initiation of Immune Responses; Genetic Analysis using Genome-Wide Mammalian RNAi Libraries**

Catalog Number: 0298

Nir Hacohen (Medical School) 5157

***Immunology 393. The Role of the Transcription Factor NF- κ B in Regulating Innate Inflammatory Responses**

Catalog Number: 3287

Bruce H. Horwitz (Medical School) 5158

***Immunology 394. Cellular and Molecular Mechanisms by which CD1 Proteins Present Lipid Antigens to T Cells**

Catalog Number: 0938

D. Branch Moody (Medical School) 5159

***Immunology 395. NKT and Other Immune Cell Subsets in Anti-Tumor & Anti-Viral Immunity**

Catalog Number: 2491

Mark Adrian Exley (Medical School) 5749

***Immunology 396. The Fundamental Nature of and the Means to Produce T Cell Tolerance to Allo- and Auto-Antigens**

Catalog Number: 1812

Terry B. Strom (Medical School) 5160

***Immunology 397. Antigen Processing and Presentation by Dendritic Cells in Autoimmunity and Cancer**

Catalog Number: 3393

Shannon Turley (Medical School) 5255

***Immunology 398. The Role of Notch Signaling in Lymphoid Neoplasia**

Catalog Number: 9151

Jon Christopher Aster (Medical School) 5750

***Immunology 399. Innate and Adaptive Immunity in Transplantation - (New Course)**

Catalog Number: 3048

Yong-Guang Yang (Medical School) 6238

Medical Sciences

Primarily for Graduates



Medical Sciences 215. Integrated Human Physiology

Catalog Number: 6359

Richard M. Schwartzstein (Medical School) and members of the Faculty

Half course (spring term). M. through F., 8:30–12, Tu., 1:30–3:30.

Describes the physiological mechanisms underlying the functions of major organ systems of the human body, including cardiovascular, renal, gastrointestinal, respiratory, endocrine and reproductive systems. The course emphasizes integration of physiological functions within a clinical context.

Note: Students taking the course for credit are expected to attend all course sessions. Permission of both the course director and the Medical School Registrar is required.

***Medical Sciences 250ab. Human Functional Anatomy**

Catalog Number: 6946 Enrollment: Limited to 52. Minimum 25.

Lee Gehrke (Medical School)

Full course (fall term). Lectures, M., W., F., 1:30–2:30; laboratory, M., W., F., 2:30–6.

Lectures, detailed laboratory dissections, and prosections provide a thorough exploration of the gross structure and function of the human body. Fundamental principles of embryology and bioengineering promote analytical approaches to understanding the body's design.

Note: Open to qualified graduate students with permission of the course director. Offered jointly with the Medical School as HT 010. The first meeting of this course is the Wednesday following the Labor Day holiday.

Graduate Courses of Reading and Research

***Medical Sciences 300. Conduct of Science**

Catalog Number: 1815

David Lopes Cardozo (Medical School) 5995

***Medical Sciences 310. Advanced Topics in Medical Sciences - (New Course)**

Catalog Number: 7449

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Medical Sciences 399. Topics in Medical Sciences**

Catalog Number: 3197

David Lopes Cardozo (Medical School) 5995

Subject selected by students and faculty member.

Microbiology and Molecular Genetics



All courses in Microbiology and Molecular Genetics are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

Microbiology 200. Molecular Microbiology and Pathogenesis

Catalog Number: 7773

Stephen Lory (Medical School) and members of the Faculty

Half course (spring term). M., W., F., 9–10:30.

Devoted primarily to bacterial structure, physiology, genetics, regulatory mechanisms and pathogenesis. Class consists of lectures, presentations emphasizing methods, results and interpretation of classic and contemporary literature, guest seminars, and small group discussions of papers.

Note: Offered jointly with the Medical School as MG 726.0.

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Catalog Number: 2480 Enrollment: May be limited.

Clyde S. Crumacker II (Medical School) and associates

Half course (fall term). Tu., Th., 8:30–1.

The mechanisms of bacterial, mycoplasmal, fungal, and viral pathogenesis are covered. Topics are selected for intrinsic interest and cover the spectrum of pathophysiologic mechanisms of the infectious process. Emphasis on pathogenesis at the molecular level.

Note: Offered jointly with the Medical School as HT 040.

Prerequisite: A background course in molecular biology is strongly encouraged.

Microbiology 209. Molecular Biology of Bacteria

Catalog Number: 2698 Enrollment: Limited to 12. Minimum of 8.

Roberto G. Kolter (Medical School)

Half course (spring term). Hours to be arranged. One meeting per week.

Provides in-depth coverage of bacterial development and genomics. Students research topics and prepare lectures. Lectures are followed by discussions of key publications. The specific topics covered vary every year depending on student interest.

Note: Given in alternate years. Open to graduate and advanced undergraduate students. Contact the instructor at least two weeks before the start of spring term via email at rkolter@hms.harvard.edu. Offered jointly with the Medical School as MG 727.0.

Microbiology 213. Social Issues in Biology

Catalog Number: 7905 Enrollment: Limited to 18.

Jonathan R. Beckwith (Medical School) and Roberto G. Kolter (Medical School)

Half course (spring term). Th., 1–4.

Readings, discussion of social/ethical aspects of biology: history, philosophy of science; evolution vs. creationism; genetics and race; women and science; genetic testing; stem cell research; science journalism; genetics and the law; scientists and social responsibility.

Note: Offered jointly with the Medical School as MG 722.0. Alternates yearly between the



Longwood and the Cambridge Campuses.
Prerequisite: Some background in genetics.

Microbiology 230. Analysis of the Biological Literature

Catalog Number: 3791

Elaine A. Elion (Medical School), Michael Demian Blower (Medical School), Alan B. Cantor (Medical School), Stephen J. Elledge (Medical School), Richard Ian Gregory (Medical School), William C. Hahn (Medical School), Kevin M. Haigis (Medical School), Marcia C. Haigis (Medical School), Edward E. Harlow (Medical School), Jonathan M. G. Higgins (Medical School), Carla Kim (Medical School), Jordan A. Kreidberg (Medical School), Cammie Lesser (Medical School), Andrea I. McClatchey (Medical School), Charles M. Roberts (Medical School), Adrian Salic (Medical School), David A. Sinclair (Medical School), Kevin Struhl (Medical School), Sheila Thomas (Medical School), and Amy J. Wagers
Half course (fall term). Tu., Th., 3–6.

Critical analysis of original research articles in intensive small group discussions. Analyze range of papers in biochemistry, genetics, microbiology, and cell and developmental biology in terms of context, hypothesis, methods, and objective interpretation of results.

Note: This course required for first year BBS students. Students who are not first year BBS should contact the course director (E.A.E.) to determine the available space and receive course materials in advance of class.

Graduate Courses of Reading and Research

Primarily designed for work on a dissertation problem, carried out under the supervision of the following faculty members, whose special research interests are listed. Courses in parasitology are listed in the catalog of the Harvard School of Public Health (see Pathology).

***Microbiology 300. Advanced Topics in Microbiology and Molecular Genetics**

Catalog Number: 2304

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Microbiology 304. Molecular Pathogenesis of Streptococcal Infection**

Catalog Number: 9527

Michael R. Wessels (Medical School) 4540

***Microbiology 305. Molecular Determinants of Intracellular Bacterial Pathogenesis**

Catalog Number: 3190

Darren E. Higgins (Medical School) 2963



***Microbiology 307. Growth Factors and Signal Transduction**

Catalog Number: 5726

Charles D. Stiles (Medical School) 4828

***Microbiology 308. Bacterial/ Host Interactions in Symbiosis and Pathogenesis**

Catalog Number: 4217

Dennis L. Kasper (Medical School) 4815

***Microbiology 310. Bacterial Genetics of Tuberculosis and Tularemia**

Catalog Number: 7652

Eric J. Rubin (Medical School) 4084

***Microbiology 311. Microbiology and Molecular Genetics**

Catalog Number: 7402

Jonathan R. Beckwith (Medical School) 1173

***Microbiology 313. T-Lymphocyte Responses to Bacterial Pathogens**

Catalog Number: 4959

Michael Starnbach (Medical School) 1816

***Microbiology 315. Biochemical Mechanisms Controlling Cell Growth and Differentiation**

Catalog Number: 3273

Michael E. Greenberg (Medical School) 1400

***Microbiology 316. Host Pathogen Interactions**

Catalog Number: 7769

Stephen Lory (Medical School) 4326

***Microbiology 317. Molecular Mechanisms in Pathogenesis**

Catalog Number: 8985

John J. Mekalanos (Medical School) 7315

***Microbiology 318. RNA Structure, RNA-protein Interactions, and Translation-level Gene Regulation in RNA Viruses**

Catalog Number: 1205

Lee Gehrke (Medical School) 8036

***Microbiology 320. Molecular Biology of Herpes Viruses**

Catalog Number: 3967

David M. Knipe (Medical School) 7089

***Microbiology 321. Molecular Biology of Bacterial Interactions**

Catalog Number: 2903

Roberto G. Kolter (Medical School) 7727



***Microbiology 322. Biochemistry of Bacterial Toxins**

Catalog Number: 4970

R. John Collier (Medical School) 7972

***Microbiology 324. Bacterial Pathogenesis and Vaccine Development**

Catalog Number: 3472

Gerald Pier (Medical School) 2853

***Microbiology 325. Signal Transduction, Host-Microbial Interactions and Immunology**

Catalog Number: 2839

Scott Brian Snapper (Medical School) 4969

***Microbiology 326. Mobile Genetic Elements and Bacterial Pathogenicity**

Catalog Number: 4703

Matthew K. Waldor (Medical School) 5919

***Microbiology 327. Molecular Biology and Evolution of Retroviruses**

Catalog Number: 7939

Welkin E. Johnson (Medical School) 5354

***Microbiology 328. Molecular Biology of Epstein Barr Virus Infection and Transformation of B Lymphocytes**

Catalog Number: 3188

Elliott D. Kieff (Medical School) 1858

***Microbiology 329. The Regulation of Gene Expression in Pathogenic Bacteria**

Catalog Number: 5892

Simon L. Dove (Medical School) 4953

***Microbiology 330. Molecular Mechanisms in Bacterial Differentiation**

Catalog Number: 5102

David Z. Rudner (Medical School) 4968

***Microbiology 331. Modeling Mechanisms of Bacterial Pathogenesis**

Catalog Number: 1929

Cammie Lesser (Medical School) 4962

***Microbiology 332. Gene Regulation of Prokaryotes**

Catalog Number: 0915

Ann Hochschild (Medical School) 2314

***Microbiology 334. Primate Lentiviral Immunology and Pathogenesis**

Catalog Number: 8398

David T. Evans (Medical School) 5353



***Microbiology 335. Molecular Biology of Parasites**

Catalog Number: 0528

Dyann F. Wirth (Public Health) 2492

***Microbiology 336. Pathogen-host Interactions**

Catalog Number: 3981

Marcia Goldberg (Medical School) 3783

***Microbiology 337. Mycobacterial Signal Transduction and Transcription Regulation**

Catalog Number: 5826

Robert Husson (Medical School) 5914

***Microbiology 339. Bacterial Cell Division and Cell Biology**

Catalog Number: 7237

Thomas G. Bernhardt (Medical School) 5752

***Microbiology 340. Herpes Virus Transformation and Gene Transfer Vector**

Catalog Number: 8544

Jae Ung Jung (Medical School) 2048

***Microbiology 343. Chemical Biology, Enzymology, Antibiotics**

Catalog Number: 2963

Suzanne Walker (Medical School) 5087

***Microbiology 344. Chemistry and Biology of Host-Virus Interactions**

Catalog Number: 8853

Priscilla Yang (Medical School) 5156

***Microbiology 345. Pathogenesis of HIV-1 Transmission**

Catalog Number: 0534

Manish Sagar (Medical School) 5664

***Microbiology 346. Genetics of Bacterial Adhesion and Pathogenesis**

Catalog Number: 5690

Paula I. Watnick (Medical School) 5666

***Microbiology 347. Chemical Genetics Approach to Bacterial Pathogenesis**

Catalog Number: 2308

Deborah Tan Hung (Medical School) 5701

***Microbiology 348. Toll-like Receptors and Innate Immunity - (New Course)**

Catalog Number: 9708

Jonathan C. Kagan (Medical School) 6235

Neurobiology



The Program in Neuroscience offers multidisciplinary training in the neurosciences leading to the PhD degree. Course instruction and supervision of dissertation research is provided by faculty of the Department of Neurobiology at Harvard Medical School as well as faculty of other departments at Harvard Medical School (and its affiliated medical institutions) and the Faculty of Arts and Sciences.

Courses at the 200 level may be open to advanced undergraduates with permission of the instructor. Additional courses open to undergraduates are offered by the Neurobiology concentration, listed separately.

Primarily for Graduates

Neurobiology 200. Introduction to Neurobiology

Catalog Number: 6062 Enrollment: Limited to 60.

Richard H. Masland (Medical School), John A. Assad (Medical School), David P. Corey (Medical School), Matthew P. Frosch (Medical School), Lisa V. Goodrich (Medical School), and Rosalind A. Segal (Medical School)

Half course (fall term). M., W., F., 9–12.

Modern neuroscience from molecular biology to perception and cognition. Includes cell biology of neurons and glia; ion channels and electrical signaling; synaptic transmission; brain anatomy and development; sensory systems; motor systems; higher cognitive function.

Note: Offered jointly with the Medical School as HT 130. Follows the Medical School calendar. Nine hours of lecture or lab/conference weekly.

Neurobiology 204. Neurophysiology of Central Circuits

Catalog Number: 5603

Richard T. Born (Medical School), Margaret S. Livingstone (Medical School), John Maunsell (Medical School), R. Clay Reid (Medical School), and Rachel I. Wilson (Medical School)

Half course (spring term). M., W., 10–12.

Introduction to the physiology of circuits in the mammalian central nervous system. Topics include the auditory, somatosensory, olfactory, visual and oculomotor systems.

Note: Offered jointly with the Medical School as NB 721.0.

Prerequisite: Neurobiology 220.

Neurobiology 207. Developmental Neurobiology

Catalog Number: 4977 Enrollment: Limited to 20.

Qiufu Ma (Medical School), Chenghua Gu (Medical School), Dietmar Schmucker (Medical School), and Rosalind A. Segal (Medical School)

Half course (spring term). Tu., Th., 2–4.

Lectures cover nervous system development, including neural induction, neural patterning, nerve cell type specification, nerve cell migration, neurotrophin and neuronal cell survival, axon guidance and targeting, synaptogenesis and plasticity, adult neurogenesis and brain repair.

Note: Paper reading will allow students to learn how to identify interesting biological questions and feasible approaches to address the questions. Lectures will also be given about how to write a grant application, and proposal writing is served as the final exam. Offered jointly with the



Medical School as NB 720.0.

Prerequisite: Neurobiology 200 or permission of instructor.

[Neurobiology 209. Neurobiology of Disease]

Catalog Number: 5562

Edward A. Kravitz (Medical School) and Robert H. Brown (Medical School)

Half course (spring term). M., 4–6:30, W., 7–9:30 pm.

Monday sessions involve patient presentations and “core” lectures describing clinical progression, pathology, and basic science underlying a major disease or disorder. Wednesdays, students present material from original literature sources, and there is general discussion.

Note: Expected to be given in 2009–10. Given in alternate years. Offered jointly with the Medical School as NB 713.0. For advanced undergraduate, graduate students, MD and MD/PhD students.

Prerequisite: Introductory neurobiology, biochemistry, and genetics/molecular biology recommended.

***Neurobiology 220. Cellular Neurophysiology**

Catalog Number: 2141

Bruce P. Bean (Medical School), Wade G. Regehr (Medical School), and Gary I. Yellen (Medical School)

Half course (fall term). Tu., Th., 9–12 and a weekly discussion section.

Introduction to the physiology of neurons. Topics include structure and function of ion channels, generation and propagation of action potentials, and physiology of synaptic transmission. Includes problem sets and reading of original papers.

Note: Offered jointly with the Medical School as NB 714.0.

Prerequisite: Introductory neurobiology.

***Neurobiology 221. Molecular Neurobiology**

Catalog Number: 0443

Charles J. Weitz (Medical School), Jonathan B. Cohen (Medical School), Bernardo L. Sabatini (Medical School), and Thomas L. Schwarz (Medical School)

Half course (spring term). Tu., Th., 10–12.

Molecular biology and genetics of the nervous system. Emphasis on importance of ligand-receptor interactions and receptor regulation for the function of the nervous system and on the mechanisms of storage and release of neurotransmitters.

Note: Offered jointly with the Medical School as NB 715.0.

Prerequisite: Introductory neurobiology and molecular biology.

Graduate Courses of Reading and Research

***Neurobiology 300. Advanced Topics in Neurobiology**

Catalog Number: 6206

David Lopes Cardozo (Medical School) 5995 and associates

Topics cover areas at the molecular, cellular, and systems levels in both basic and clinical neuroscience. A series of reading and discussion seminars, each running for a half term (seven weeks).



Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Neurobiology 301. Visual Object Recognition: Molecules, Neurophysiology and Computation - (New Course)**

Catalog Number: 8402

Gabriel Kreiman (Medical School) 6174

***Neurobiology 302. How Attention Influences Representation of Sensory Information in Cerebral Cortex, and How These Changes Improve Behavior Performance.**

Catalog Number: 9850

John Maunsell (Medical School) 5670

***Neurobiology 303. Identification of Genes and Functional Pathways that Govern the Development, Function, and Disease State of the Inner Ear.**

Catalog Number: 0660

Zheng-Yi Chen (Medical School) 5478

***Neurobiology 304. Chemistry of Synapses**

Catalog Number: 5467

Edward A. Kravitz (Medical School) 2063

***Neurobiology 305. Cellular and Molecular Mechanisms of Epilepsy and Autism - (New Course)**

Catalog Number: 1349

Matthew Peter Anderson (Medical School) 6691

***Neurobiology 306. The Molecular Mechanisms of How Neural and Vascular Networks are Coordinately Developed, Communicate, and Evolve to Work in Concert During Normal and Disease States.**

Catalog Number: 0992

Chenghua Gu (Medical School) 5479

***Neurobiology 308. Molecular Mechanisms of Catecholaminergic-specific Gene Regulation**

Catalog Number: 6125

Kwang-Soo Kim (Medical School) 3046

***Neurobiology 309. Quantitative Microscopic Approaches are used to Study Neural Circuitry in Schizophrenia and to Determine how Postnatal Ontogenesis may Contribute to the Onset of this Disorder**

Catalog Number: 3823

Francine M. Benes (Medical School) 1869



***Neurobiology 310. Neural Coding of Chemosensory Stimuli**

Catalog Number: 2408

Rachel I. Wilson (Medical School) 5257

***Neurobiology 311. Cellular and Molecular Studies of Synapse Formation in the Vertebrate Nervous System**

Catalog Number: 0081

Joshua R. Sanes 5094 (on leave fall term)

***Neurobiology 312. The Study of Synaptic Competition by Visualizing Synaptic Rearrangements Directly in Living Animals Using Modern Optical Techniques**

Catalog Number: 0082

Jeff W. Lichtman 5163

***Neurobiology 313. Molecular Neurobiology of the Biological Clock**

Catalog Number: 1758

Charles J. Weitz (Medical School) 1139

***Neurobiology 314. Cellular Mechanism(s) of Axon Guidance - (New Course)**

Catalog Number: 1742

Mustafa Sahin (Medical School) 6175

***Neurobiology 315. Neurotrophins and Cerebellar Development**

Catalog Number: 0128

Rosalind A. Segal (Medical School) 1564

***Neurobiology 316. Laboratory of Pain Physiology**

Catalog Number: 0222

Rami Burstein (Medical School) 1294

***Neurobiology 317. Auditory System**

Catalog Number: 4979

Lisa V. Goodrich (Medical School) 4771

***Neurobiology 318. Molecular Genetics of Cerebral Cortical Development**

Catalog Number: 0825

Christopher A. Walsh (Medical School) 1560

***Neurobiology 319. Neurological Control of Cell Growth and Differentiation**

Catalog Number: 2991

Michael E. Greenberg (Medical School) 1400

***Neurobiology 320. Neuroprotection and Neuronal Repair in Neurodegenerative Disease**

Catalog Number: 4825

Ole S. Isacson (Medical School) 2077



***Neurobiology 321. Higher Functions in the CNS**

Catalog Number: 5387

Margaret S. Livingstone (Medical School) 1064

***Neurobiology 322. Cellular and Molecular Mechanisms in Axon Guidance and Regeneration**

Catalog Number: 2873

Zhigang He (Medical School) 3910

***Neurobiology 323. Synaptic Plasticity**

Catalog Number: 3209

Florian Engert 4290

***Neurobiology 324. Research in Neuropeptide Gene Regulation**

Catalog Number: 4057

Joseph A. Majzoub (Medical School) 1875

***Neurobiology 325. Synaptic Transmissions and Dendritic Processing**

Catalog Number: 2065

Wade G. Regehr (Medical School) 1606

***Neurobiology 326. Age-Dependent Mechanisms of Perinatal Brain Injury**

Catalog Number: 2469

Frances E. Jensen (Medical School) 3940

***Neurobiology 327. Rotations in Neurosciences**

Catalog Number: 5694

Gary I. Yellen (Medical School) 3268

***Neurobiology 328. Mechanisms of Cell Death in Stroke and Trauma**

Catalog Number: 8967

Eng H. Lo (Medical School) 3049

***Neurobiology 329. Molecular and Cell Biology of Alzheimer's Disease**

Catalog Number: 8816

Dennis J. Selkoe (Medical School) 2857

***Neurobiology 330. To Establish Causal Relationships between Gene Expression in the Brain and Motivated Behavior**

Catalog Number: 6269

William A. Carlezon (Medical School) 3929

***Neurobiology 331. Molecular Mechanisms that Control Neuronal Differentiation Nerve Growth and Regeneration in the Mammalian Brain and Retina**

Catalog Number: 9045

Dong Feng Chen (Medical School) 3930



***Neurobiology 332. Ligand-Gated Ion Channels: Structure and Function**

Catalog Number: 1623

Jonathan B. Cohen (Medical School) 1120

***Neurobiology 333. Intercellular Communication**

Catalog Number: 2484

David L. Paul (Medical School) 2318

***Neurobiology 334. Sensory Transduction, Tuning and Transmission by Hair Cells and Afferent Neurons of the Inner Ear.**

Catalog Number: 1134

Ruth Anne Eatock (Medical School) 5739

***Neurobiology 336. Developmental Cognitive Neuroscience, Focusing Primarily on Memory and Face Processing.**

Catalog Number: 2242

Charles A. Nelson (Medical School) 5480

***Neurobiology 337. Neurobiology of the Human Circadian Pacemaker**

Catalog Number: 5322

Charles A. Czeisler (Medical School) 7763

***Neurobiology 338. Neural Circuitry of Primate Visual Cortex**

Catalog Number: 5634

Richard T. Born (Medical School) 1787

***Neurobiology 339. Mechanisms of Central Synaptic Transmission**

Catalog Number: 9322

Vadim Bolshakov (Medical School) 4948

***Neurobiology 340. Neuronal Interactions within the Retina; Processing of Visual Information; Development of the Retina**

Catalog Number: 5261

John E. Dowling 3545 (on leave spring term)

***Neurobiology 341. Molecular and Cellular Mechanisms of Cognition and Cognitive Disorders, Particularly the Role of Translational Regulation.**

Catalog Number: 8790

Raymond J. Kelleher (Medical School) 5740

***Neurobiology 342. Neurophysiology of Visual Cortex and LGN**

Catalog Number: 2778

R. Clay Reid (Medical School) 2957



***Neurobiology 343. Molecular Physiology of Ion Channels**

Catalog Number: 1887

Gary I. Yellen (Medical School) 3268

***Neurobiology 345. Molecular Basis of Neuron Glia Interactions**

Catalog Number: 4918

Gabriel Corfas (Medical School) 2907

***Neurobiology 346. Visual Processing in Primates**

Catalog Number: 0184

John A. Assad (Medical School) 2985

***Neurobiology 347. Alzheimer's Disease Research**

Catalog Number: 6606

Bradley T. Hyman (Medical School) 2952

***Neurobiology 349. Olfactory and Vomeronasal Systems Molecular and Developmental Neurobiology**

Catalog Number: 1416

Catherine Dulac 2801

***Neurobiology 350. Molecular Genetics of Neuronal Development**

Catalog Number: 2038

Constance L. Cepko (Medical School) 1150

***Neurobiology 351. Neurogenetics of Disease**

Catalog Number: 3008

Louis M. Kunkel (Medical School) 1330

***Neurobiology 352. Neural-glia Interaction for the Development and Maintenance of Chronic Pain**

Catalog Number: 1264

Ru-Rong Ji (Medical School) 5747

***Neurobiology 353. New Biology Through Physics: Molecular Discoveries with Light**

Catalog Number: 3689

David E. Clapham (Medical School) 2987

***Neurobiology 354. Structural Biology of Signaling and Transport Through Biological Membranes**

Catalog Number: 9454

Rachelle Gaudet 4413

***Neurobiology 356. Ion Channels in Neural Cell Membranes**

Catalog Number: 8368

David P. Corey (Medical School) 1345



***Neurobiology 357. Epigenetic Control of Experience-Dependent Neuronal Circuit Maturation and Plasticity.**

Catalog Number: 6674

Michela Fagiolini (Medical School) 5751

***Neurobiology 358. Neurogenetics of Human Disease**

Catalog Number: 7616

Xandra O. Breakefield (Medical School) 1428

***Neurobiology 360. Statistical Modeling and Stochastic Dynamical Systems Analysis of Neurophysiologic Systems**

Catalog Number: 8525

Emery N. Brown (Medical School) 1399

***Neurobiology 361. Immunobiology of the Nervous System and its Tumors**

Catalog Number: 7282

Lois A. Lampson (Medical School) 2491

***Neurobiology 362. Optical imaging in Alzheimer's disease - (New Course)**

Catalog Number: 5030

Brian Bacskai (Medical School) 6693

***Neurobiology 363. Neural Development and Plasticity**

Catalog Number: 7089

Larry I. Benowitz (Medical School) 3150

***Neurobiology 364. Chemical Neuroanatomy of Autonomic Systems**

Catalog Number: 1523

Clifford B. Saper (Medical School) 3394

***Neurobiology 365. Behavioral Pharmacology of Stimulant Drugs and Brain Dopamine Systems as they relate to Psychiatric Disorders.**

Catalog Number: 8902

S. Barak Caine (Medical School) 5477

***Neurobiology 366. Functional Organization of the Retina**

Catalog Number: 7391

Richard H. Masland (Medical School) 4923

***Neurobiology 367. Neo-Cortical Development and Cellular Transplantation**

Catalog Number: 4252

Jeffrey D. Macklis (Medical School) 3396

***Neurobiology 368. The Neurobiology of Alzheimer's Disease and Related Neurodegenerative Disorders**



Catalog Number: 5054
Bruce Yankner (Medical School) 1557

***Neurobiology 369. Visual Processing**
Catalog Number: 1828
Markus Meister 3007

***Neurobiology 370. Characterization of Genes in Neurodegeneration**
Catalog Number: 8336
Rudolph E. Tanzi (Medical School) 2683

***Neurobiology 371. Sensory Neuron Development and Sleep Using Genetics and Live Imaging in Zebrafish.**
Catalog Number: 7081
Alexander F. Schier 5238

***Neurobiology 372. Neurotransmitter Control of Ion Channels**
Catalog Number: 7104
Bruce P. Bean (Medical School) 1148

***Neurobiology 373. Developmental Studies of the Murine Trigeminal Sensory System**
Catalog Number: 7485
Qiufu Ma (Medical School) 3034

***Neurobiology 374. Investigation of the Molecular Basis of Alzheimer's Disease & Parkinson's Disease Using Genetic Approaches in Mice**
Catalog Number: 9022
Jie Shen (Medical School) 3059

***Neurobiology 375. Mechanisms of Synaptic Transmission & Plasticity**
Catalog Number: 0790
Venkatesh N. Murthy 2424 (on leave fall term)

***Neurobiology 376. Genetics of Neuronal Cell Biology**
Catalog Number: 2911
Thomas L. Schwarz (Medical School) 3923

***Neurobiology 377. Physiological Studies of Phototransduction and Light Adaptation**
Catalog Number: 6897
Clint L. Makino (Medical School) 3946

***Neurobiology 378. Neuronal Mechanisms by which Sensory Information and Memory Guide the Behavior of the Animal.**
Catalog Number: 9659
Naoshige Uchida 5745



***Neurobiology 379. Growth Factor Regulation of Neural Development and Oncogenesis**

Catalog Number: 7751

Scott L. Pomeroy (Medical School) 3947

***Neurobiology 380. Functional Wiring of the Rabbit Retina, Control of Postnatal Development**

Catalog Number: 4965

Elio Raviola (Medical School) 3582

***Neurobiology 381. Mechanisms of Action of Neurotransmitters and Neuromodulators, Specifically Glutamate and Norepinephrine**

Catalog Number: 6912

Paul Allen Rosenberg (Medical School) 3949

***Neurobiology 382. The Role of the Hypothalamus and Particularly Melanin Concentrating Hormone in the Regulation of Energy Homeostasis**

Catalog Number: 1457

Eleftheria Maratos-Flier (Medical School) 4327

***Neurobiology 383. Role of the Basal Ganglia in Learning and Motivation - (New Course)**

Catalog Number: 0492

Emad Eskandar (Medical School) 6176

***Neurobiology 385. The Study of Mammalian Gap Junctions, Inhibitory Neuronal Networks, and Corticothalamic Processing.**

Catalog Number: 1296

Carole Landisman (Medical School) 5787

***Neurobiology 386. Changes in the Function, Chemistry and Structure of Sensory Neurons that Contribute to Pain**

Catalog Number: 7609

Clifford Woolf (Medical School) 3956

***Neurobiology 389. Molecular Regulation of Neural Tube Development**

Catalog Number: 3914

Mary R. Loeken (Medical School) 3151

***Neurobiology 390. Mechanisms of Synapse Regulation**

Catalog Number: 9202

Bernardo L. Sabatini (Medical School) 4300

***Neurobiology 391. Diversity and Function of the Dscam Receptor**

Catalog Number: 7541

Dietmar Schmucker (Medical School) 4332



***Neurobiology 392. Synaptic Plasticity in the CNS using Electrophysiological and Calcium Imaging Techniques, as well as Genetically Altered Mouse Strains**

Catalog Number: 6750

Chinfei Chen (Medical School) 4437

***Neurobiology 393. Molecular Basis of Inherited Congenital Eye Movement Disorders and Implications for the Development of Brainstem Motorneurons**

Catalog Number: 3085

Elizabeth C. Engle (Medical School) 4312

***Neurobiology 395. Neuron-Glia Interactions During Development and Disease - (New Course)**

Catalog Number: 7993

Beth Stevens (Medical School) 6678

***Neurobiology 396. Critical Period Mechanisms of Experience-Dependent Brain Development**

Catalog Number: 0142

Takao K. Hensch (Medical School) 5813 (on leave fall term)

***Neurobiology 397. Nervous System Construction and Function**

Catalog Number: 0158

Samuel M. Kunes 3486

***Neurobiology 398. CNS and Cancer Gene Therapy**

Catalog Number: 4438

Samuel D. Rabkin (Medical School) 4772

***Neurobiology 399. Genetic Engineering in Mice is used to Investigate Neurocircuits Thought to Regulate Metabolism and Behavior.**

Catalog Number: 5626

Bradford Barr Lowell (Medical School) 5741

Pathology

Eligible students interested in parasitology and tropical medicine should consult the courses offered by the Department of Tropical Public Health as listed in the catalog of the Harvard School of Public Health. For specific information regarding prerequisites and advisability, contact the office of the Department of Tropical Public Health, Harvard School of Public Health.

Primarily for Graduates

[*Pathology 205. Molecular Biology of the Auditory System]

Catalog Number: 0211



Half course (fall term). M., W., 5–6:30.

Examines the exciting advances in inner ear genetics and molecular biology. Topics include identifying deafness genes, genes and proteins recently identified as critical for proper inner ear function, development, and regeneration.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Introductory courses in neurobiology and molecular biology are recommended.

[*Pathology 209. Tumor Pathophysiology and Transport Phenomena - A Systems Biology Approach]

Catalog Number: 5934

Rakesh K. Jain (Medical School)

Half course (fall term). M., 5–7 p.m.

Tumor pathophysiology plays a central role in the growth, metastasis, detection, and treatment of solid tumors. Principles of transport phenomena are applied to develop a quantitative understanding of tumor biology and treatment.

Note: Expected to be given in 2009–10. Given in alternate years. Offered jointly with the Medical School as PA 712.0.

Graduate Courses of Reading and Research

Students are usually not eligible to enroll in one of these courses until they have completed their formal required course work. Research courses are primarily designed for research work on a student's dissertation problem, carried out under the direct supervision of one of the following faculty members, whose special research interests are listed.

***Pathology 300. Advanced Topics in Pathology**

Catalog Number: 2245

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks). Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Pathology 302. Molecular Mechanisms of Leukocyte Trafficking**

Catalog Number: 2273

Ulrich H. Von Andrian-Werburg (Medical School) 2090

***Pathology 303. Viral Pathogenic and Transformation Mechanisms**

Catalog Number: 1644

Peter M. Howley (Medical School) 1076

***Pathology 304. Viral Carcinogenesis**

Catalog Number: 1283

Thomas L. Benjamin (Medical School) 4115



***Pathology 307. Endo- and Exocytosis of Membrane Proteins in Kidney Epithelial Cells**

Catalog Number: 7151

Dennis Brown (Medical School) 1582

***Pathology 308. Genetic Models of Human Disease**

Catalog Number: 1918

Michael C. Carroll (Medical School) 2050

***Pathology 310. Cellular and Molecular Regulation of Vascular Development**

Catalog Number: 2653

Patricia A. D'Amore (Medical School) 1168

***Pathology 312. Research in Molecular Cytogenetics**

Catalog Number: 7347

Cynthia C. Morton (Medical School) 2194

***Pathology 313. Research in Integrin Signaling, Cytoskeleton, and Control of Angiogenesis**

Catalog Number: 4139

Donald E. Ingber (Medical School) 2832

***Pathology 314. Molecular Biology of Immune Cell Interactions**

Catalog Number: 1156

Timothy A. Springer (Medical School) 6145

***Pathology 316. Control of Gene Expression in Tumorigenesis and Differentiation**

Catalog Number: 3892

Thomas M. Roberts (Medical School) 7729

***Pathology 319. Signaling and Gene Regulation in Lymphocytes**

Catalog Number: 1859

Anjana Rao (Medical School) 1854

***Pathology 321. Intracellular Signaling Mechanisms in Brain Development and Disease**

Catalog Number: 8032

Azad Bonni (Medical School) 2923

***Pathology 324. Regulation of T-cell Mediated Immune Response**

Catalog Number: 1501

Arlene H. Sharpe (Medical School) 1588

***Pathology 325. Transcriptional Control in Differentiation/Development and Tumorigenesis**

Catalog Number: 1509

Yang Shi (Medical School) 3169



***Pathology 327. Genetic Models of Leukemogenesis**

Catalog Number: 5534

A. Thomas Look (Medical School) 3771

***Pathology 329. Tissue-Specific Lymphocyte Homing and Diversity**

Catalog Number: 7366

James J. Campbell (Medical School) 4438

***Pathology 330. Transcriptional Regulations and Cellular Differentiation**

Catalog Number: 5521

T. Keith Blackwell (Medical School) 1826

***Pathology 332. Mechanisms Used by Small DNA Tumor Viruses to Disrupt Controls of Cellular Proliferation**

Catalog Number: 0445

Nicholas J. Dyson (Medical School) 1829

Pathology 333. Models of Human Neurodegenerative Diseases in the Fruit Fly *Drosophila

Catalog Number: 4845

Mel B. Feany (Medical School) 4439

***Pathology 334. Characterization of Tumor Suppressor Genes Implicated in Wilms Tumor and Breast Cancer**

Catalog Number: 5744

Daniel A. Haber (Medical School) 1832

***Pathology 335. Molecular Approaches to Cell Immortalization and Transformation**

Catalog Number: 2283

William C. Hahn (Medical School) 4317

***Pathology 338. Genetic and Biochemical Analysis of Signal Transduction Pathways**

Catalog Number: 2647

Jeffrey E. Settleman (Medical School) 1820

***Pathology 342. Molecular Regulation of Physiological Versus Pathological Angiogenesis**

Catalog Number: 7284

Laura E. Benjamin (Medical School) 5400

***Pathology 343. Cell Adhesion in Vascular Biology**

Catalog Number: 4822

Denisa D. Wagner (Medical School) 2092

***Pathology 347. Using the Genetic, Molecular, Cellular and Behavioral Approaches available in the Nematode *C. Elegans* to study the Nervous System**

Catalog Number: 7591

Anne C. Hart (Medical School) 1010



***Pathology 350. Topics in Vascular Biology**

Catalog Number: 0289

Michael A. Gimbrone (Medical School) 1896

***Pathology 351. Cytoskeleton in Cancer Development and Progression**

Catalog Number: 5656

Andrea I. McClatchey (Medical School) 2204

***Pathology 352. Recombination Functions of the BRCA Genes**

Catalog Number: 5001

Ralph Scully (Medical School) 4536

***Pathology 353. Cell Cycle Proteins in Development and Cancer**

Catalog Number: 1475

Piotr Sicinski (Medical School) 2245

***Pathology 354. Biochemistry of Transmembrane Receptors Interactions**

Catalog Number: 9969

Stephen C. Blacklow (Medical School) 1462

***Pathology 359. Signal Transduction Pathways Involved in Cellular Proliferation and Apoptosis**

Catalog Number: 2841

Roya Khosravi-Far (Medical School) 2704

***Pathology 360. Biology and Genetics of Human Cancers**

Catalog Number: 0188

Matthew L. Meyerson (Medical School) 2421

***Pathology 361. Molecular Mechanisms of Aging and Age Related Disease**

Catalog Number: 6096

David A. Sinclair (Medical School) 2610

***Pathology 362. Gene Targeting, Immunology and Disease**

Catalog Number: 5290

Klaus Rajewsky (Medical School) 4330

***Pathology 364. Molecular Genetics of Erythroid Iron Metabolism**

Catalog Number: 5354

Mark Daniel Fleming (Medical School) 4955

***Pathology 365. Control of Endothelial Cell Fate and Vascular Development by Fluid Mechanical Forces**

Catalog Number: 4860

Guillermo Garcia-Cardena (Medical School) 4956



***Pathology 366. Phagocyte-endothelial Cell Responses in Inflammation**

Catalog Number: 4122

Tanya Mayadas (Medical School) 4963

***Pathology 367. Developing Mouse Models for Human Cancers**

Catalog Number: 2162

Sandra Orsulic (Medical School) 4964

***Pathology 368. Signaling Pathways in Cancer Cell Biology**

Catalog Number: 1919

Alex Toker (Medical School) 4971

***Pathology 369. Molecular Recognition and Protein Engineering**

Catalog Number: 8852

J. Keith Joung (Medical School) 5149

***Pathology 370. Cell Cycle Control and Ubiquitin-Mediated Proteolysis**

Catalog Number: 1354

J. Wade Harper (Medical School) 4957

***Pathology 371. Biology and Function of Tissue-Specific Stem Cells**

Catalog Number: 9993

Amy J. Wagers 5212

***Pathology 372. DNA Damage Responses and Genomic Stability**

Catalog Number: 5604

Lee Zou (Medical School) 5258

***Pathology 373. Integration of Cellular Metabolism and Apoptosis**

Catalog Number: 8788

Nika Danial (Medical School) 5393

***Pathology 374. Cell Signaling in Innate Immunity**

Catalog Number: 9911

Hongbo Luo (Medical School) 5395

***Pathology 375. Mechanisms and Applications of Mammalian RNA Interference**

Catalog Number: 2870

Carl D. Novina (Medical School) 5356

***Pathology 376. Mechanism and Regulation of Ribosome Biogenesis**

Catalog Number: 3329

Guo-Fu Hu (Medical School) 5402



***Pathology 377. Epigenetic Mechanisms in Mammalian Development**

Catalog Number: 5739

Bradley E. Bernstein (Medical School) 5669

***Pathology 378. Epigenetic Regulation in Development and Disease**

Catalog Number: 8317

Laurie Jackson-Grusby (Medical School) 5671

***Pathology 379. Mitochondria in Aging and Metabolism**

Catalog Number: 7386

Marcia C. Haigis (Medical School) 5734

***Pathology 380. Modeling Ovarian Cancer Pathogenesis and Early Detection**

Catalog Number: 8863

Ronny I. Drapkin (Medical School) 5912

***Pathology 381. Ras Signaling and Colon Cancer**

Catalog Number: 7281

Kevin M. Haigis (Medical School) 5913

***Pathology 382. Mechanisms of Acute and Chronic Allograft Rejection**

Catalog Number: 1744

Richard N. Mitchell (Medical School) 5916

***Pathology 383. Cell Cycle, Ubiquitination and Protein Degradation, Cancer Research**

Catalog Number: 9068

Wenyi Wei (Medical School) 5918

***Pathology 384. The Molecular Genetics of Human Cancer - (New Course)**

Catalog Number: 3734

Pier Paolo Pandolfi (Medical School) 6177

***Pathology 385. Epigenetic Regulation by Large Non-coding RNA - (New Course)**

Catalog Number: 4220

John L. Rinn (Medical School) 6229

***Pathology 386. Hematopoietic Stem Cell Biology and Aging - (New Course)**

Catalog Number: 3429

Derrick J. Rossi (Medical School) 6330

***Pathology 387. Kinase Signaling in Cancer - (New Course)**

Catalog Number: 8048

Jean J. Zhao (Medical School) 6237



***Pathology 388. Impact of Epigenetics On Cellular Homeostasis - (New Course)**

Catalog Number: 5410

Johnathan Whetstine (Medical School) 6244

Pharmacology

For courses pertaining to Pharmacology see listings under the Department of Biological Chemistry and Molecular Pharmacology.

Virology

Primarily for Graduates

Virology 200. Introduction to Virology

Catalog Number: 6075

Elliott D. Kieff (Medical School), David M. Knipe (Medical School), Karl M  nger (Medical School), and Max L. Nibert (Medical School)

Half course (fall term). M., 2:30–4; W., 3–5.

Introduction to virology. The lecture component reviews the basic principles of virology and introduces the major groups of human viruses. Weekly discussion groups critically analyze selected papers from the literature.

Note: There will be a final project consisting of a proposal based on laboratory rotations (for Virology, BBS, or Immunology Program students) or a final paper based on a topic from the literature. Offered jointly with the Medical School as MG 705.0.

Virology 201. Virology

Catalog Number: 1190

Sean P.J. Whelan (Medical School), James M. Cunningham (Medical School), David T. Evans (Medical School), and Welkin E. Johnson (Medical School)

Half course (spring term). Tu., Th., 2:30–4.

Literature based reading. Proposal writing. Course covers a broad range of topics: viral genetics, structure/replication, pathogenesis, evolution ("emerging viruses"), chronic infection, latency, innate and adaptive immunity, anti-viral drugs and vaccine strategies.

Note: Offered jointly with the Medical School as MG 723.0.

Prerequisite: Graduate standing and permission required

Virology 202. Animal Virology: Seminar

Catalog Number: 6025

Michael R. Farzan (Medical School), David T. Evans (Medical School), Robert P. Johnson (Medical School), Frederick C. Wang (Medical School), and Priscilla Yang (Medical School)

Half course (fall term). W., 1:30–4:30.

Students will write, present, and evaluate research proposals in the areas of virus replication, viral pathogenesis and treatment and prevention of viral infections.

Note: Offered jointly with the Medical School as MG 724.0.

Prerequisite: General background in biochemistry and virology.



Graduate Courses of Reading and Research

***Virology 300r. Introduction to Research**

Catalog Number: 0530

David Lopes Cardozo (Medical School) 5995 (fall term only) and David M. Knipe (Medical School) 7089 (spring term only)

***Virology 301. Herpes Virus Interaction with the Host Cell**

Catalog Number: 7344

David M. Knipe (Medical School) 7089

***Virology 303. Pathogenesis of AIDS and AIDS-related opportunistic infections in nonhuman primate models of simian immunodeficiency virus (SIV) infection - (New Course)**

Catalog Number: 6772

Amitinder Kaur (Medical School) 6692

***Virology 304. Molecular Biology of Kaposi's Sarcoma-Associated Herpes Virus**

Catalog Number: 8182

Kenneth M. Kaye (Medical School) 3064

***Virology 305. Transcriptional Regulation of Viral and Mammalian Genes**

Catalog Number: 5437

Sean P.J. Whelan (Medical School) 4591

***Virology 306. Structure and Function of Herpes virus DNA Polymerase and the HIV Reverse Transcriptase; Resistance to Antiviral Drugs in Clinical Viral Isolates and Mechanisms of Resistance and Pathogenesis**

Catalog Number: 6968

Clyde S. Crumpacker II (Medical School) 1092

***Virology 307. Genetics and Biochemistry of Prokaryotic Transposable Elements and Yeast Meiotic Chromosome Metabolism**

Catalog Number: 6097

Nancy Kleckner 4697

***Virology 308. Molecular Genetics of Herpes Virus**

Catalog Number: 3000

Donald M. Coen (Medical School) 7617

***Virology 309. Human Oncogenic Viruses**

Catalog Number: 4011

Jack L. Strominger 1193



***Virology 310. Cellular Transformation by SV40**

Catalog Number: 0221

James A. DeCaprio (Medical School) 1296

***Virology 311. Molecular Biology of Epstein-Barr Infection**

Catalog Number: 0513

Frederick C. Wang (Medical School) 1297

***Virology 312. Molecular Biology of Epstein-Barr Virus Infection and Transformation of B-Lymphocytes**

Catalog Number: 3483

Elliott D. Kieff (Medical School) 1858

***Virology 313. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 2528

Ronald C. Desrosiers (Medical School) 1874

***Virology 314 (formerly *Pathology 323). Viral Oncoproteins as Probes to Study the Regulation of Cell Growth and Differentiation**

Catalog Number: 6286

Karl Münger (Medical School) 1586

***Virology 315. Mechanisms of Transcriptional Repression in Eukaryotic Cells**

Catalog Number: 0462

Yang Shi (Medical School) 3169

***Virology 317. Virology and Immunology of Human Retroviruses**

Catalog Number: 0954

Myron Essex (Public Health) 2499

***Virology 318. Persistence and Pathogenesis of Hepatitis C Virus Infection - (New Course)**

Catalog Number: 9144

Raymond Taeyong Chung (Medical School) 6178

***Virology 319. Functional Analysis of Tumor Suppression Genes**

Catalog Number: 5817

David Morse Livingston (Medical School) 4872

***Virology 320. Pathogenesis of Human Retroviruses**

Catalog Number: 1532

Joseph G. Sodroski (Public Health) 1712

***Virology 321. Retroviral DNA Integration**

Catalog Number: 6857

Alan N. Engelman (Medical School) 2196



***Virology 322. HIV Molecular Biology and Pathogenesis**

Catalog Number: 9023

Dana Gabuzda (Medical School) 1581

***Virology 323. Immunobiology of the Epstein-Barr Virus Receptor; Pathogenesis of EBV and B-cell Tumors**

Catalog Number: 0778

Joyce D. Fingerhuth (Medical School) 2707

***Virology 324. Leukemogenic Retroviruses**

Catalog Number: 5263

James M. Cunningham (Medical School) 2346

***Virology 325. Retroviral Pathogenesis; Host-Virus Interactions Including Virus-Induced Perturbation of the Developing Immune System; the Nature of Protective Anti-Retroviral Immune Responses in Primates**

Catalog Number: 8029

Ruth M. Ruprecht (Medical School) 2716

***Virology 326. Pathogenesis and Treatment of Human Retrovirus and Herpesvirus Infection**

Catalog Number: 6440

Martin S. Hirsch (Medical School) 2876

***Virology 327. Epstein-Barr virus nuclear proteins in lymphomagenesis and the viral lifecycle - (New Course)**

Catalog Number: 8083

Eric Christian Johannsen 6264

***Virology 328. Humoral Response to Retroviral Infections in Humans; Identification of Coding Sequence of Human Retroviruses and their Gene Products**

Catalog Number: 2513

Tun-Hou Lee (Public Health) 2769

***Virology 329. Cellular Immunology of Persistent Human Virus Infections**

Catalog Number: 5417

Bruce Walker (Medical School) 2847

***Virology 330. Critical Readings in Virology**

Catalog Number: 5966

Alan N. Engelman (Medical School) 2196

Half course (fall term). Tu., Th., 5–6:30.

Critical evaluation of virology-related papers reporting a seminal contribution, strong methodological approaches or, in some cases, due to errors in methodology or author interpretation. Requirements include written critiques and class participation.

Note: Offered in the month of January.



***Virology 331. Polyomavirus JC, the Etiologic Agent of Progressive Multifocal Eukoencephalopathy (PML) - (New Course)**

Catalog Number: 9476

Igor J. Koralnik (Medical School) 6179

***Virology 332. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 9093

Raymond L. Erikson 7506

***Virology 333. Antiretroviral Drug Resistance, and Drug Resistant Human Immunodeficiency Virus**

Catalog Number: 5526

Daniel R. Kuritzkes (Medical School) 4773

***Virology 334. HIV-1 and Other Viruses**

Catalog Number: 3803

Michael R. Farzan (Medical School) 4775

***Virology 336. Genetic Changes in HIV and Hepatitis C Virus - (New Course)**

Catalog Number: 8685

Todd Allen (Medical School) 6180

***Virology 337. Humoral and Innate Immune Responses During Viral Infections Focusing on HIV-1 Infection - (New Course)**

Catalog Number: 0111

Xinzhen Yang (Medical School) 6182

***Virology 338. Metabolism and Survival Pathways of Epstein-Barr Virus - (New Course)**

Catalog Number: 7495

Ellen D. Cahir-McFarland 6268

***Virology 339. Mechanisms of HIV protein degradation, epitope processing and presentation to virus-specific CD8 T cells - (New Course)**

Catalog Number: 3999

Sylvie Le Gall 6269

***Virology 347 (formerly *Microbiology 342). Reovirus Structure, Assembly, and Particle Functions in Entry and RNA Synthesis**

Catalog Number: 4181

Max L. Nibert (Medical School) 3896

***Virology 348. Immunopathogenesis of HIV-1 and the Development of HIV-1 Vaccine Strategies**

Catalog Number: 8409

Dan Hung Barouch (Medical School) 5744



Medieval Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Medieval Studies

Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture (*Chair*)
François Bovon, Frothingham Professor of the History of Religion (*Divinity School*)
Charles Donahue, Jr., Paul A. Freund Professor of Law (*Law School*)
Daniel G. Donoghue, John P. Marquand Professor of English
John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature
Sean Gallagher, Associate Professor of Music
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Beverly M. Kienzle, John H. Morison Professor of the Practice of Latin and Romance Languages, Lecturer on Medieval Christianity, and Director of Language Studies (*Divinity School*)
Kevin J. Madigan, Professor of the History of Christianity (*Divinity School*)
Michael McCormick, Francis Goelet Professor of Medieval History (*on leave 2008-09*)
Catherine McKenna, Margaret Brooks Robinson Professor of Celtic Languages and Literatures (*on leave spring term*)
Stephen A. Mitchell, Professor of Scandinavian and Folklore (*on leave spring term*)
Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*on leave 2008-09*)
Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature (*on leave 2008-09*)
James Simpson, Donald P. and Katherine B. Loker Professor of English, Harvard College Professor
Daniel L. Smail, Professor of History
Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design School*)
William P. Stoneman, Florence Fearing Librarian of the Houghton Library
R. J. Tarrant, Pope Professor of the Latin Language and Literature
Hugo van der Velden, Professor of History of Art and Architecture
Nicholas Watson, Professor of English (*on leave 2008-09*)
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin



The Standing Committee on Medieval Studies exists in order to promote and coordinate teaching and scholarship on medieval Europe and the Near East throughout the University, including Dumbarton Oaks in Washington, D.C. As a program committee within the Faculty of Arts and Sciences, it mounts a number of undergraduate and graduate courses each year, and coordinates a Secondary Field in Medieval Studies for PhD students and a Secondary Field in Medieval Studies for undergraduates. Although Harvard offers no PhD specifically in Medieval Studies, the committee has the authority to administer interdisciplinary PhDs in liaison with a regular departmental program. Working in cooperation with the graduate student Medieval Society, it also sponsors events and activities of interest to medievalists. Among these are the frequent meetings of the Medieval Studies Seminar on Monday afternoons, an occasional series of Special Seminars and conferences in Medieval Studies, the twice-yearly receptions for medievalists throughout the Boston area, and a graduate student Workshop in Medieval Studies. The committee has the further responsibility of fostering the Medieval Studies Library in Widener D. Its electronic mailing list is the most comprehensive guide to late antique, medieval, and Byzantine events at Harvard University and in the Boston area generally.

Specific questions concerning Medieval Studies on either the undergraduate or the graduate level and requests for the pamphlet on Medieval Studies and the annual list of courses on medieval topics should be addressed to the Chairman of the Committee, Robinson Hall 201.

For more information and to receive the Medieval Studies Committee email on its frequent activities, contact medieval@fas.harvard.edu (and view its website at www.fas.harvard.edu/~medieval).

For Undergraduates and Graduates

Medieval Studies 107. Authority and Invention: Art and Architecture in Western Europe, 950–1250

Catalog Number: 9420

Christine Smith (Design School)

Half course (fall term). M., W., 11:30–1. EXAM GROUP: 4, 5

Masterworks of art and architecture in Western Europe from the revival of monumental building to the dawn of the Italian Renaissance. Explores the creative tension between the impulse to originality and the authority of classical models in the search for new art forms. Emphasis on relatively few works considered in their totality (architecture, painting, sculpture, and minor arts) as experiential wholes; and on the plurality of geographical and cultural contexts (Italy, Germany, France, and Spain).

Note: Offered jointly with the Graduate School of Design as 4358. Meets at the Graduate School of Design, Gund Hall.

[Medieval Studies 108. Nature and the Ideal: Art and Architecture in Italy, 1250–1520]

Catalog Number: 2898

Christine Smith (Design School)

Half course (spring term). Hours to be arranged.

An introduction to Italian painting, sculpture, and architecture from ca. 1250 to 1520



emphasizing style and technique. The course is structured in three parts, each focusing on a single artist whose works are of outstanding historical and artistic significance and whose numerous interactions with artists working in other media, and activity in diverse centers of artistic production, indicate the broader range of artistic concerns and achievements of their time. *Note:* Expected to be given in 2009–10. Offered jointly with the Graduate School of Design as 4402. Meets at the Graduate School of Design, Gund Hall.

[Medieval Studies 114. The Medieval Imagination: Visions, Dreams, and Prophecies]

Catalog Number: 3080

Nicholas Watson

Half course (fall term). Hours to be arranged.

The medieval imagination was the ambiguous mediator between the world and the human understanding, a mental locus in which either prophetic truths or dreams and diabolic deceptions might be apprehended. This course investigates dream poetry and visionary writing in the context of medieval psychological theory. Texts to be read include *The Vision of Paul*, Dante's *Inferno*, Chaucer's *House of Fame*, *The Romance of the Rose*, and works by Augustine, Macrobius, and Julian of Norwich.

Note: Expected to be given in 2009–10.

Medieval Studies 117. Constitutional and Legal History of Medieval England

Catalog Number: 5468

Charles Donahue, Jr. (Law School)

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

A survey of the ideas and events that shaped the structure of English law and governance from the Anglo-Saxon invasions to the Reformation Parliament. Topics include the formation of the kingdom of England, the emergence of institutions of royal governance, the relations between church and state, the development of Parliament, and the various institutional reactions to political conflict and social change.

Note: Offered concurrently, but with a separate section, at the Law School.

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

Catalog Number: 4410

Charles Donahue, Jr. (Law School)

Half course (spring term). Hours to be arranged.

A survey of the main outlines of continental European constitutional and legal history from the fall of the Roman Empire to the "Rise of absolutism" at the beginning of the 17th century. Focuses on the main expressions of European legal culture over this long period of time. In each period an effort is made to relate the types of law produced to the social, political, and religious history of the period.

Note: Expected to be given in 2009–10. Offered concurrently, but with a separate section, at the Law School.

Primarily for Graduates



[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

Catalog Number: 3759

Michael McCormick

Half course (spring term). Hours to be arranged.

Familiarizes scholars in all areas of medieval studies with the research tools and techniques for advanced study of late antique and medieval evidence: Latin palaeography, codicology, hagiography, late Latin philology, late antique studies, numismatics, diplomatic.

Note: Expected to be given in 2009–10.

***Medieval Studies 202 (formerly *Medieval Studies 102). Latin Palaeography and Manuscript Culture: Seminar**

Catalog Number: 7124 Enrollment: Limited to 12.

Beverly M. Kienzle (Divinity School)

Half course (spring term). W., 3–5, and a weekly section to be arranged. EXAM GROUP: 8, 9

Introduction to Latin manuscripts, their production and use. Taught in collaboration with William P. Stoneman, Houghton Library. Practical initiation to Latin palaeography, work with manuscripts, practice in transcription, and discussion of problems in textual criticism.

Note: Offered jointly with the Divinity School as 2223/4330.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

[Medieval Studies 223. Preaching and Sermon in the Middle Ages]

Catalog Number: 8726

Beverly M. Kienzle (Divinity School)

Half course (fall term). Hours to be arranged.

Literary and historical survey of preaching and sermons from the early to the late Middle Ages, as practiced by clergy, religious women, lay people, dissidents. Readings in Latin; discussion of current research and methodological issues.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2226.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

[Medieval Studies 225. Heresy, Orthodoxy, and Religious Identity in Medieval Christianity]

Catalog Number: 3648

Beverly M. Kienzle (Divinity School)

Half course (spring term). Hours to be arranged.

Heresy, orthodoxy, and religious identity from the early to the late Middle Ages. Focus on western European persons and movements that were deemed heretical. Readings in Latin; discussion of current research and methodological issues.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2216.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

Medieval Studies 227 (formerly Medieval Studies 127). Hildegard of Bingen and the Gospels: Seminar

Catalog Number: 7365

Beverly M. Kienzle (Divinity School)



Half course (fall term). W., 3–5:30. EXAM GROUP: 8, 9

Reading of Hildegard of Bingen's *Expositiones evangeliorum* with attention to genre, exegetical and homiletic tradition, intertextuality, questions of gender and authority. Scholarship on Hildegard's works, medieval exegesis, monastic culture, medieval religious women.

Note: Offered jointly with the Divinity School as 2224/4331.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

[*Medieval Studies 280 (formerly *Comparative Literature 280). Literary Theory and Criticism in the Middle Ages: Seminar]

Catalog Number: 2215

Jan Ziolkowski

Half course (fall term). Hours to be arranged.

Examines literary theory and criticism inside curriculum (trivium) and outside (oral culture); manuscripts and commentary tradition; biblical exegesis; arts of poetry, letter-writing, preaching; Platonic and Aristotelian traditions; allegory/allegoresis; sign theory. Includes Augustine, Snorri, Dante, Boccaccio.

Note: Expected to be given in 2009–10. Knowledge of Latin not required. Qualified undergraduates welcome.

Graduate Course

***Medieval Studies 300hf (formerly Medieval Studies 300). Medieval Studies Interdisciplinary Workshop**

Catalog Number: 5321

Jeffrey F. Hamburger 3800 and Katharine Park 2974

Half course (throughout the year). Hours to be arranged.

Focuses on dissertations in progress and other research topics of mutual concern.

Note: Enrollment is open to all graduate students.

Cross-listed Courses

For courses of additional interest, please see courses taught by members of the Committee at the Graduate School of Design, Harvard Divinity School, and Harvard Law School.

Core Curriculum

[Historical Study A-27. Reason and Faith in the West](#)

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[Historical Study B-11. The Crusades]

[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization]

[Historical Study B-19. The Renaissance in Florence](#)

[Literature and Arts A-11. Arthurian Literature: Epic versus Romance](#)

[Literature and Arts A-26. Dante's *Divine Comedy* and Its World](#)

[Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France](#)

[Literature and Arts A-67. Poetry and Power: The Celtic Bard](#)



[Literature and Arts A-70. The Book of Job and the Joban Tradition]
[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court]
[Literature and Arts C-20. The Hero of Irish Myth and Saga]
[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus']

Celtic Languages and Literature

[Celtic 107. Early Irish History]
[Celtic 137. Celtic Mythology](#)
[Celtic 138. Narrative Traditions of Medieval Wales]
[Celtic 151. The Literature of Medieval Celtic Christianity]
[Celtic 166. The Folklore of Women](#)
[Celtic 184. The Táin](#)
[Celtic 200. Introduction to Old Irish]
[Celtic 201. Continuing Old Irish]
[Celtic 204r. Readings in Early Irish Poetry](#)
[Celtic 205r. Readings in Early Irish Prose](#)
[Celtic 222. Early Irish Manuscript Tradition]
[Celtic 225a. Introduction to Middle Welsh](#)
[Celtic 225b. Continuing Middle Welsh](#)
[Celtic 226r. Readings in Middle Welsh]
[Celtic 227. Seminar: Welsh Bardic Poetry]

The Classics

[Greek Bbm. Introduction to Late Antique and Mediaeval/Byzantine Poetry](#)
[Latin Bam \(formerly Latin 3m\). Latin Prose Selections \(Late Antique and Medieval\)](#)
[Latin Bbm \(formerly Latin 4m\). Introduction to Latin Poetry \(Late Antique and Medieval\)](#)
[Medieval Greek 115ar. Introduction to Byzantine Greek](#)
[Medieval Greek 125. Byzantine Religious Tales](#)
[Medieval Latin 115. The Cambridge Songs and Medieval Lyric] - (*New Course*)
[Medieval Latin 120. Wisdom and Learning](#)

English

[English 10a. Major British Writers I](#)
[*English 90fa. Fantasy Before Modernity - \(*New Course*\)](#)
[English 101. The History and Structure of the English Language](#)
[English 102d. Anglo-Saxon Language and Culture: Poetry and Belief - \(*New Course*\)](#)
[English 103g. Anglo-Saxon Language and Culture: Working with Manuscripts](#)
[*English 201. Images, Idolatry and Iconoclasm, 1350-1600: Graduate Seminar](#)
[*English 300hf. Old and Middle English: Doctoral Conference](#)

Folklore and Mythology



[Folklore and Mythology 90g. Saga and Legend] - *(New Course)*

[*Folklore and Mythology 98a \(formerly *Folklore and Mythology 97b\). Oral Literature and the History of Folkloristics](#)

[Folklore and Mythology 106. Witchcraft and Charm Magic]

Freshman Seminars

[*Freshman Seminar 37i. Love, Medieval Style - \(New Course\)](#)

[*Freshman Seminar 38m. Meeting the Byzantines](#)

[*Freshman Seminar 39g. The Book of Hours: Picturing Prayer in the Middle Ages](#)

Germanic Languages and Literatures

[German 255. Middle High German - \(New Course\)](#)

[Scandinavian 150 \(formerly Scandinavian 80\). The Vikings and the Nordic Heroic Tradition](#)

[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy]

[Scandinavian 160br (formerly Scandinavian 160b). Old Norse Language, Literature, and Culture: Mythology]

Government

[Government 1060. Ancient and Medieval Political Philosophy](#)

History

[*History 70d (formerly *History 1212). The Imperial System: Byzantine Society and Civilization, 8th c.-1204]

[*History 70e. The Problems and Possibilities of Medieval History - \(New Course\)](#)

[*History 71a (formerly *History 1166). Family, Sex, and Marriage in Western Europe, East and West in the Medieval and Early Modern Period]

[*History 71b \(formerly *History 1942\). The European Renaissance and Reformation, 1350-1650](#)

[*History 78b (formerly *History 1877b). History of the Near East, 1055-1517]

[*History 80b (formerly *History 1122). Persons and Things in Medieval Europe]

[*History 80c \(formerly *History 1158\). The Mediterranean in the Late Middle Ages, 1204-1500](#)

[*History 81b. Book History - \(New Course\)](#)

[*History 81d. The Near East in the Christian West, 300-1700 - \(New Course\)](#)

[History 1000 (formerly History 10a). Western Societies, Politics, and Cultures: From Antiquity to 1650]

[History 1040 (formerly History 1111). The Fall of the Roman Empire]

[History 1050 (formerly History 1101). Medieval Europe]

[History 1055 (formerly History 1121). Vengeance, Hatred, and Law in Premodern Europe]

[History 1060. Europe and Its Borders, 950-1550 - \(New Course\)](#)



[History 1071. Medieval England and Its Influences - \(New Course\)](#)

[History 1080 \(formerly History 1150\). The Jews in Muslim and Christian Spain](#)

[History 1110 (formerly History 2310). Problems in Late Medieval and Early Modern Europe 1250-1750: Conference Course]

[History 1114 \(formerly History 1514\). Early Modern Eastern Europe \(1450-1795\)](#)

[History 1119. The Cultural History of Food in Medieval and Renaissance Italy: Conference Course - \(New Course\)](#)

[History 1127 (formerly History 1427). Women's Voices in Medieval and Early Modern Europe]

[History 1301 (formerly History 20b). Western Intellectual History: The Middle Ages to the Seventeenth Century]

[History 1877 \(formerly History 1877a\). History of the Near East, 600-1055](#)

[History 1878a. Ottoman State and Society I (1300-1550)]

[*History 2050 \(formerly *History 2101\). Medieval Societies and Cultures: Proseminar](#)

[History 2055 (formerly History 2122). Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean]

[History 2060 \(formerly History 2125\). Problems in High and Late Medieval History: Seminar](#)

[*History 2070 (formerly *History 2120). Problems in Byzantine History: Proseminar]

[History 2071r \(formerly History 2271r\). Topics in Byzantine History: Seminar](#)

[History 2080 \(formerly History 2126\). Medieval Law](#)

[History 2111. Classical and Neo-Latin Literature in the Italian Renaissance: Seminar - \(New Course\)](#)

[*History 2112 (formerly *History 2473). Latin Texts of the Italian Renaissance: Proseminar]

[History 2884. Topics in Ottoman Social and Cultural History: Seminar]

[History 2885. Introduction to Archival Research in Ottoman History: Proseminar]

[History 2886. Topics in Islamic History: Seminar](#)

History and Literature

[*History and Literature 90g. Charlemagne in Memory and Myth - \(New Course\)](#)

[*History and Literature 97. Tutorial - Sophomore Year](#)

History of Art and Architecture

[History of Art and Architecture 12m. Monuments and Cities of the Islamic World: An Introduction - \(New Course\)](#)

[History of Art and Architecture 14k. Art, Faith and Power: Introduction to Early Christian and Byzantine Art]

[History of Art and Architecture 14n. From the Carolingians to the Capetians: Topics in Medieval Art]

[History of Art and Architecture 55k. Northern Renaissance - \(New Course\)](#)

[History of Art and Architecture 120n. Art of the Timurids in Greater Iran and Central Asia - \(New Course\)](#)

[History of Art and Architecture 122x. Architecture of the Mediterranean World (1300-



1650)]

[*History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture (7th–13th Century)]

[*History of Art and Architecture 140r. Family and Daily Life in Byzantium]

[History of Art and Architecture 141k. Rome, Constantinople, Ravenna in the Light of Imperial Rule - \(New Course\)](#)

[History of Art and Architecture 143r \(formerly *History of Art and Architecture 143m\). The Art of the Court of Constantinople](#)

[*History of Art and Architecture 146x. The Art of Devotion]

[*History of Art and Architecture 149g. Casts, Construction and Commemoration: German Gothic in America and Abroad - \(New Course\)](#)

[History of Art and Architecture 151k. Italian Artists as Competitors, ca. 1300-1700 - \(New Course\)](#)

[History of Art and Architecture 152. Italian Renaissance Art]

[History of Art and Architecture 152m. Leonardo da Vinci]

[History of Art and Architecture 155p. Jan van Eyck and the Rise of Painting](#)

[*History of Art and Architecture 226e. Cross-Cultural Artistic Exchanges: Islamic and European Courts]

[*History of Art and Architecture 229p. Word and Image in Persian Painting]

[*History of Art and Architecture 240r. Topics in Byzantine Art : Manuscripts](#)

[*History of Art and Architecture 241r. Topics in Early Christian Art: Art and Politics in Late Antiquity]

[*History of Art and Architecture 242. Issues of Interpretation in Medieval Art](#)

[*History of Art and Architecture 243n. Hieronymus Bosch]

[History of Art and Architecture 252k. The Age of Albrecht Durer - \(New Course\)](#)

[*History of Art and Architecture 252y. Pieter Bruegel](#)

[*History of Art and Architecture 254p. The Invention of the Portrait]

[*History of Art and Architecture 256m. Alberti's Renaissance]

[*History of Art and Architecture 257r (formerly *History of Art and Architecture 257n). The Medieval Treasury]

History of Science

[History of Science 107. History of Medieval Science]

[History of Science 112. Health, Medicine and Healing in Medieval and Renaissance Europe]

[History of Science 117. Science, Philosophy, and Religion in Late Antiquity and the Middle Ages - \(New Course\)](#)

[*History of Science 207r. William of Ockham and the Rise of 14th-century Nominalism: Seminar - \(New Course\)](#)

[History of Science 212. The Sciences of Life, Medicine and the Body in Medieval Renaissance Europe: Proseminar]

[History of Science 297r. Topics in the History of Medieval Latin Science]

[*History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar]



Linguistics

[Linguistics 168. Introduction to Germanic Linguistics]

[Linguistics 247. Topics in Germanic Linguistics](#)

[Linguistics 250. Old Church Slavonic](#)

[Linguistics 251. Advanced Readings in Church Slavonic Texts]

Literature and Comparative Literature

[*Comparative Literature 211. Mysticism and Literature: Seminar](#)

[Literature 157 \(formerly Comparative Literature 111\). From Type to Self in the Middle Ages](#)

[Literature 163. Jewish Languages and Literature - \(New Course\)](#)

Music

[Music 1a. Introduction to Western Music from the Middle Ages to Mozart](#)

[Music 191r. Topics in Medieval and Renaissance Music: Proseminar]

[Music 212r. Chant: Seminar]

[Music 214r. Renaissance Music: Seminar](#)

Near Eastern Languages and Civilizations

[Arabic Ba \(formerly Arabic 120a and 121a\). Intermediate Arabic I](#)

[Arabic 146r. History of the Arabic Languages]

[Arabic 150r. History of Classical Arabic Literature: Seminar](#)

[Arabic 160r. Readings in Arabic Historians, Geographers, and Biographers](#)

[Arabic 240r. Classical Arabic Philology](#)

[Arabic 245r. Classical Arabic Literature: Seminar]

[Arabic 246r. Andalus, Sicily, and the Maghrib in Literary and Cultural Texts: Seminar](#)

[Arabic 248r. Medieval Arabic Writings on Literary Theory and Criticism: Seminar](#)

[Arabic 249r. Arabic Philosophical Texts: Seminar]

[Arabic 250r. Arabic Theological Texts: Seminar]

[Hebrew 160. The Origins and Development of the Classical Jewish Liturgy](#)

[Hebrew 171. The Problem of Language in Medieval Jewish Thought](#)

[Hebrew 176. Aristotle's Ethics in Medieval Jewish Thought]

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar]

[Jewish Studies 135. Jewish-Arab Encounters: the Classical Age](#)

[Jewish Studies 146 \(formerly Jewish Studies 215\). Does Glikl Stand Alone? Medieval and Early Modern Jewish Autobiographical Writing](#)

[Turkish 145. Introduction to Old Anatolian Turkish]

[Turkish 146. Readings in Old Anatolian Turkish Narrative Prose]

[Turkish 240. Readings in Ottoman Sources]

[Turkish 241. Advanced Ottoman] - (New Course)

The Study of Religion



[Religion 1011. The Tree at the Center of the World](#)

[Religion 1077. Islam Through Western Christian Eyes](#)

[Religion 1428. History of the Exegesis and Reception of the Gospel of Genesis - \(New Course\)](#)

[Religion 1434. History of Western Christianity, 150-1100]

[Religion 1437. History of Western Christianity: 1100–1500]

[Religion 1450. History of Christian Thought: The Medieval West - \(New Course\)](#)

[Religion 1851. The Female Body and Islam: Religious Doctrines in Changing Societies]

Romance Languages and Literatures

[French 70a. Introduction to French Literature I: From the Middle Ages to Modernity](#)

[French 100. History of the French Language](#)

[French 102. Introduction to Medieval Literature and Old French - \(New Course\)](#)

[French 112. From the Troubadour to the “Grand Rhétoriqueur”: Lyric Poetry in Medieval France (12th to 15th Century)]

[Italian 123. Semantics of Desire: Love in Dante’s Poetry](#)

[Italian 140. The Human Comedy: the *novella* from its origins to the Renaissance]

[Italian 141. Renaissance Epic]

[Italian 230. Petrarca and the Divided Self](#)

[Romance Studies 79. Romance Languages in Comparative Perspective]

[Romance Studies 120. Emergence of the Lyric Subject in Early Romance Poetry \(12th to 16th Centuries\) - \(New Course\)](#)

[Spanish 70a. Heroes, Rogues, Saints, Sinners: Archetypes of Spanish Literature]

[Spanish 110. Hispanic Literature: The Middle Ages - \(New Course\)](#)

[Spanish 201. The History of the Spanish Language]

[Spanish 204. Love and Power in 14th-Century Castille: Juan Ruiz and Juan Manuel]

[Spanish 220. Jews and Judaism in Medieval Spanish] - (New Course)

Slavic Languages and Literatures

[Slavic 291. Problems in the History of Early Ukrainian Literature](#)

Middle East Program

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Middle Eastern Studies



Steven C. Caton, Professor of Contemporary Arab Studies (*Chair*)
 Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
 Sugata Bose, Gardiner Professor of Oceanic History and Affairs
 Jorge I. Domínguez, Antonio Madero Professor of Latin American Politics and Economics
 Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society
 Khaled El-Rouayheb, Assistant Professor of Islamic Intellectual History (*on leave 2008-09*)
 Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*on leave spring term*)
 Marwa S. Elshakry, Associate Professor of the History of Science (*on leave fall term*)
 Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality (*on leave 2008-09*)
 Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature
 Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
 Andrew Gordon, Lee and Juliet Folger Fund Professor of History
 Michael Herzfeld, Professor of Anthropology
 Salmaan A. Keshavjee, Assistant Professor of Social Medicine (*Medical School*)
 Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*)
 Mohsen Mostafavi, Alexander and Victoria Wiley Professor of Design, Dean of the Graduate School of Design (*Design School*)
 Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art (*on leave 2008-09*)
 Michael J. Puett, Professor of Chinese History (*on leave 2008-09*)
 Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
 Stephen P. Rosen, Beton Michael Kaneb Professor of National Security and Military Affairs (*on leave 2008-09*)
 Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
 Richard K. Wolf, Professor of Music (*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 (AM): The program for this degree requires two years of study, leading to an AM. It seeks to give the student both a broad background and a special competence in selected fields of Middle Eastern studies. Each student's needs and interests, as well as previous experience and qualifications, are taken into account in planning his or her course of study. This program is



comparable to other regional studies programs, such as those for Russia and East Asia.

Joint Programs for the PhD: The Faculty of Arts and Sciences has approved joint programs with other faculty departments for the degree of PhD in Middle Eastern studies and in the fields of anthropology, history, or history of art and architecture. A candidate for a joint PhD degree is usually expected to have completed an AM program in Middle Eastern studies or another relevant field, at Harvard or elsewhere, prior to admission as a doctoral candidate. Joint or concurrent degrees with other departments and faculties are possible on an *ad hoc* basis.

Languages: Competency in one or more of the languages of the Middle East is critical to advanced studies in this field. The Master's program requires all students to attain a reading and speaking competence, at least at the intermediate level, in one of the major modern Middle Eastern languages: Arabic, Hebrew, Persian, or Turkish. Students who already have an adequate knowledge of one such language, and native speakers, will be required to study a second language. The PhD programs vary in their language requirements. In most cases, students must attain a thorough knowledge of a modern Middle Eastern language (see above), as well as a reading knowledge of one of the European languages: German, French, Italian, or Russian. In the History and Middle Eastern Studies Program, a written exam will be required in the language of the candidate's primary research, covering both primary and secondary sources in that language. As in the Master's program, native speakers of Middle Eastern languages will be required to attain competence in a second Middle Eastern language. (For specific details on language requirements and language proficiency examinations, see the degree supplement *Degree Programs in Middle Eastern Studies*. Please note that the departments involved in the joint PhD programs, as well as the Committee on Middle Eastern Studies, at times revise their language requirement policies. Students are expected to keep in touch with their advisors and relevant language instructors at all times so they may be informed of possible changes to those requirements.)

Courses: The Center for Middle Eastern Studies publishes a list of Middle Eastern-related courses on its website. Middle Eastern-related courses are offered in the Department of Near Eastern Languages and Civilizations—courses in Akkadian, Ancient Near East, Arabic, Aramaic, Armenian, Armenian Studies, Early Iranian Civilizations, Ethiopic, Hebrew (Classical and Modern), Hebrew Literature and History, Iranian, Islamic Civilizations, Near Eastern Civilizations, Persian, Postbiblical Jewish Studies, Semitic Philology, Sumerian, and Turkish; and the Department of History—courses in Byzantine, Islamic, Judaic, and modern Middle Eastern history. Other appropriate courses are offered in the departments of Anthropology, Classics, Comparative Literature, the Core Curriculum, Fine Arts, Government, Linguistics, Music, Psychology, Sanskrit and Indian Studies, Slavic Languages and Literatures, Sociology, and the Study of Religion. Middle Eastern-related courses are also taught in the graduate schools of Business, Design, Divinity, Law, and Government. For more information about these programs, please refer to the degree supplement, *Degree Programs in Middle Eastern Studies*.



Mind, Brain, and Behavior

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Mind, Brain, and Behavior

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*) (*Co-Chair, fall term*) (*on leave spring term*)

Sean D. Kelly, Professor of Philosophy (*Co-chair, spring term*)

Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology (*Co-Chair*)

Richard T. Born, Professor of Neurobiology (*Medical School*)

Randy L. Buckner, Professor of Psychology and of Neuroscience (*on leave 2008-09*)

Verne S. Caviness, Jr., Giovanni Armenise - Harvard Professor of Neurology (*Medical School*)

Gennaro Chierchia, Haas Foundations Professor of Linguistics

Peter T. Ellison, John Cowles Professor of Anthropology

Florian Engert, Associate Professor of Molecular and Cellular Biology

Kurt W. Fischer, Charles Bigelow Professor of Education (*Education School*)

Alice Weaver Flaherty, Assistant Professor of Neurology (*Medical School*)

Albert M. Galaburda, Emily Fisher Landau Professor of Neurology (*Medical School*)

Howard E. Gardner, John H. and Elisabeth A. Hobbs Professor of Cognition and Education (*Education School*)

Peter Godfrey-Smith, Professor of Philosophy

Joshua D. Greene, Assistant Professor of Psychology (*on leave fall term*)

Anne Harrington, Professor of the History of Science, Harvard College Professor

Marc D. Hauser, Professor of Psychology (*on leave fall term*)

Hopi E. Hoekstra, John L. Loeb Associate Professor of the Natural Sciences

Karen L. Kramer, Associate Professor of Anthropology

Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)

David I. Laibson, Robert I. Goldman Professor of Economics, Harvard College Professor

Jeff W. Lichtman, Professor of Molecular and Cellular Biology

Margaret S. Livingstone, Professor of Neurobiology (*Medical School*)

Richard J. McNally, Professor of Psychology

Jason P. Mitchell, Assistant Professor of Psychology

Bence P. Olveczky, Assistant Professor of Organismic and Evolutionary Biology

Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment (*on leave spring term*)

Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera

Steven Pinker, Johnstone Family Professor of Psychology, Harvard College Professor

Maria Polinsky, Professor of Linguistics (*on leave fall term*)

Stephen P. Rosen, Beton Michael Kaneb Professor of National Security and Military Affairs (*on leave 2008-09*)

Aravinthan D. T. Samuel, Associate Professor of Physics

Joshua R. Sanes, Professor of Molecular and Cellular Biology (*on leave fall term*)

Susanna Siegel, Professor of Philosophy (*on leave spring term*)

Elizabeth S. Spelke, Marshall L. Berkman Professor of Psychology



Robert A. Stickgold, Associate Professor of Psychiatry (*Medical School*)
Mark J. Tramo, Assistant Professor of Neurology (*Medical School*)
Yun Zhang, Assistant Professor of Biology

Other Faculty Offering Instruction in Mind, Brain, and Behavior

Nancy Lee Etcoff, Clinical Instructor in Psychology (*Medical School*)
Lawrence J. Friedman, Visiting Professor of the History of Science
Gene M. Heyman, Lecturer in Psychiatry (*Medical School*)
Alan A. Stone, Touroff-Glueck Professor of Law and Psychiatry (*Law School, Medical School*)

The Committee on Mind, Brain, and Behavior is an interdisciplinary group of scholars appointed to coordinate the teaching of neuroscience and related fields among Harvard's departments. Working closely with the University's Mind/Brain/Behavior Interfaculty Initiative, the Committee is designed to advance knowledge of neuroscience at multiple levels of analysis ranging from the molecular events within individual neurons to the behavior of organisms (including humans) in a wider environmental and social context. The Committee coordinates the wide and varied course offerings that address methods, findings, and theory in neuroscience; helps students learn of opportunities within the various fields allied with neuroscience; and promotes interdisciplinary interaction among members of these fields.

For undergraduate students wishing to specialize in an area related to the neurosciences, specialized tracks are currently available in nine concentrations: Anthropology (Biological Anthropology), Biology, Computer Science, History and Science, Human Evolutionary Biology, Linguistics, Neurobiology, Philosophy, and Psychology. MBB also offers a secondary field. For specific track and secondary field requirements, consult <http://mbb.harvard.edu>.

Foundation courses are required or recommended in all tracks so that all MBB students can interact. The foundation courses include Science B-62, The Human Mind: Introduction to Mind, Brain, and Behavior; MCB 80, Neurobiology of Behavior; and one of several designated interdisciplinary seminars listed below. The track program, which results in a Certificate in Mind/Brain/Behavior, also includes a sophomore symposium, a junior symposium, and senior thesis workshops.

Primarily for Undergraduates: Foundation Courses

[MCB 80 \(formerly Biological Sciences 80\). Neurobiology of Behavior](#)
[Science B-62. The Human Mind: An Introduction to Mind, Brain, and Behavior](#)

Primarily for Undergraduates: Elective Courses

[*Mind, Brain, and Behavior 90r. Supervised Research: Topics in Mind/Brain/Behavior - \(New Course\)](#)

Catalog Number: 8784

Richard W. Wrangham and MBB Faculty



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Application required; consult MBB website.

Primarily for Undergraduates: Interdisciplinary Seminars

***Mind, Brain, and Behavior 91 (formerly *Mind, Brain, and Behavior 98). Music and the Brain**

Catalog Number: 3562 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Mark J. Tramo (Medical School)

Half course (fall term). W., 6:30–9:30 p.m.

Takes a multidisciplinary approach to understanding brain mechanisms that govern music perception and cognition. Students master relevant topics in psychoacoustics, cognitive psychology, functional neuroanatomy, neurophysiology, and neurology. Individual seminars are thematic (e.g., harmony perception; emotion and meaning in music; talent and creativity). Also provides students with the opportunity to develop oral presentation skills and to learn how to read science literature critically.

***Mind, Brain, and Behavior 92 (formerly Psychology 987d). Conscious Experience: Image, Space, and Self**

Catalog Number: 7390 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Sean D. Kelly

Half course (spring term). M., 2–4.

Join renowned neuroscientists from Harvard and elsewhere who will lead highly interactive seminars addressing core problems underlying the emergence of conscious visual experience. Topics include the requisite neuronal representations of the content of visual images, their localization within extrapersonal space and the sense of ownership of such images by a self. Subsidiary topics include selective attention, the binding problem, binocular rivalry, change blindness, recursive neuronal networks and distinction between phenomenal and access consciousness.

***Mind, Brain, and Behavior 93 (formerly Psychology 987f). The Biology of Conscious States: Waking, Sleeping, and Dreaming**

Catalog Number: 5017 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Robert A. Stickgold (Medical School)

Half course (spring term). Tu., 1–3.

Focuses on waking, sleeping, and dreaming as examples of conscious states in both humans and animals. Original papers and books by Allan Hobson (*The Dreaming Brain*) and Antonio Damasio (*The Feeling of What Happens*) form the background for discussions of waking, sleeping, and dreaming from the perspectives of neurology, physiology, psychology, and cognitive neurosciences. Discusses various approaches to understanding the functions of sleep and wake (consciousness) and reviews several theories on the topic.



***Mind, Brain, and Behavior 94 (formerly Psychology 987g). Theories of Violence**

Catalog Number: 3767 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Alan A. Stone (Law School, Medical School)

Half course (fall term). Tu., 2–4.

Considers how law and science construct violence. Review clinical examples of violence (videotapes of a serial killer, a sexually violent predator, and a case of maternal infanticide) and the responses of law enforcement and the criminal justice system. Then examine the spectrum of scientific theories that seek to explain human violence and their relevance to law.

***Mind, Brain, and Behavior 95 (formerly Psychology 987h). Addiction and Motivation**

Catalog Number: 4890 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Gene M. Heyman (Medical School)

Half course (fall term). Tu., 4–6.

Provides an understanding of self-destructive human behavior, focusing largely on drug addiction. Topics include environmental and behavioral influences on gene expression and neural functioning, how to make sense of heritability in regard to behavioral traits, key findings in the epidemiology of addiction, similarities and differences between addiction and OCD, and recent advances in the understanding of choice, particularly the tendency for stable yet suboptimal preferences.

***Mind, Brain, and Behavior 96 (formerly Psychology 987i). The Science of Happiness**

Catalog Number: 2517 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Nancy Lee Etcoff (Medical School)

Half course (spring term). Th., 1–3.

Focuses on the science of happiness, integrating findings from positive psychology, psychiatry, behavioral genetics, neuroscience, and behavioral economics. Begins with a brief history of ideas on happiness from Aristotle to Kahneman. Considers the genetics of happiness including the notion of a biologically determined hedonic set point, the brain's pleasure circuitry, and the mind's power to frame events positively, a tool used in cognitive therapies. Questions whether pleasure and happiness are our purpose.

***Mind, Brain, and Behavior 97. Why We Hate: Seminar - (New Course)**

Catalog Number: 8579 Enrollment: Limited to 15.

Lawrence J. Friedman

Half course (spring term). W 1-4 p.m. plus occasional W 7-8:30 p.m.

Why have hatred and accompanying outbreaks of violent, degrading behaviors persisted? Is there something inherent in the human condition as well as in specific circumstances that accounts for hatred? We shall review pertinent classics including Beck's Prisoners of Hate, LeDoux's The Emotional Brain, Goethe's Faust, Conrad's Heart of Darkness, and Wright's Native Son. Each student shall prepare an integrative paper with her/his 'answers.'

For Undergraduates and Graduates



Additional Interdisciplinary Seminars

[History of Science 174. Critical Experiments in the Human Sciences](#)
[Human Evolutionary Biology 1312. Human Sexuality: Research and Presentation Seminar](#)
[Human Evolutionary Biology 1357. Evolution and Medicine - \(New Course\)](#)
[*Neurobiology 95a. Molecular and Cellular Understandings in Learning and Memory](#)
[*Neurobiology 95hfd \(formerly *Biology 95hfd\). Problem Solving in Neuroscience: An Interactive Case-Based Online Network \(ICON\)](#)
[*Neurobiology 95hfe. The Neglected Synapse: Gap Junctions in the Nervous System - \(New Course\)](#)
[*Neurobiology 95hff. From Baseball to Beethoven: Cerebellar Integration, Motor Learning and Behavior - \(New Course\)](#)
[*Neurobiology 95hfg. More than Glue: Glial Cells in Health and Neurological Disease - \(New Course\)](#)
[*Neurobiology 95hfh. Bird Song and Human Language: Learning from the Birds - \(New Course\)](#)
[*Neurobiology 95hfi \(formerly *Biology 95hfi\). Eye Can't Hear You: Blindness and Deafness in Society](#)
[*Neurobiology 95hfj \(formerly *Biology 95hfj\). The Sleeping Brain](#)
[*Neurobiology 95hfk \(formerly *Biology 95hfk\). Mechanisms of Neurological Disease](#)
[*Philosophy 161. Personal Identity and Self-knowledge: Proseminar](#)

Courses for Undergraduates and Graduates

[Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry]
[Neurobiology 101. Auditory Neurobiology]
[Neurobiology 209. Neurobiology of Disease]
[Science B-29. Evolution of Human Nature](#)
[Science B-60. Origins of Knowledge](#)

Additional Courses

[Anthropology 1640. Language and Culture](#)
[Anthropology 2305. Advanced Topics in Human Evolutionary Biology]
[*Anthropology 2312. Current Topics in Human Evolutionary Genetics](#)
[Anthropology 2325. Topics in Genetics, Genomics and Evolution]
[Anthropology 2430 \(formerly Anthropology 229\). Behavioral Biology Seminar](#)
[*Anthropology 2595ar (formerly *Anthropology 295ar). Laboratory Methods in Evolutionary Genetics]
[*Anthropology 2595br \(formerly *Anthropology 295br\). Laboratory Methods in Evolutionary Genetics](#)
[Anthropology 2704. Linguistic Pragmatics and Cultural Analysis in Anthropology](#)
[Anthropology 2735. The Anthropology of Science: Methods and Theory](#)
[Anthropology 2750. Local Biologies: Perspectives on the Interaction Between Culture and Biology](#)
[*BCMP 213. Behavioral Pharmacology]



[BCMP 230. Principles and Practice of Drug Development](#)
[Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty](#)
 [Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans]
[Computer Science 187. Computational Linguistics](#)
[Computer Science 228. Computational Learning Theory](#)
[*Computer Science 266. Biologically-Inspired Distributed and Multi-Agent Systems](#)
 [Computer Science 281r. Artificial Intelligence: Reasoning and Planning Systems]
 [Computer Science 282. Probabilistic Reasoning]
 [Computer Science 283. Computer Vision]
[Computer Science 285. Multi-Agent Systems](#)
[Computer Science 286r. Topics at the Interface between Computer Science and Economics](#)
 [Computer Science 287r. Natural Language Processing]
 [East Asian Studies 205. Approches to the Comparative History of Medicine and the Body]
[Economics 1030. Psychology and Economics](#)
 [Economics 1035. Policy Applications of Psychology and Economics]
[Economics 2001. The Behavioral & Experimental Economics Workshop](#)
 [Economics 2059. Decision Theory]
[Economics 2728. Behavioral Finance](#)
[Engineering Sciences 145. Physiological Systems Analysis](#)
[Engineering Sciences 149. Neural Control of Movement](#)
[Engineering Sciences 157. Speech and Audio Processing](#)
 [Engineering Sciences 217r (formerly Engineering Sciences 217). Computational Neuroscience]
[Government 1093. Ethics, Biotechnology, and the Future of Human Nature](#)
 [*History 83b (formerly *History 1472). Historical Ontology]
 [History 1304 (formerly History 1470). Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism]
[History 1345. The Human Sciences in the Modern West - \(New Course\)](#)
[History of Science 140. Disease and Society](#)
[History of Science 170. Science and the Occult - \(New Course\)](#)
[*History of Science 171. Narrative and Neurology](#)
 [History of Science 172. Managing the Mind]
 [History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]
[History of Science 238. Rethinking the Darwinian Revolution: Seminar](#)
 [History of Science 240. The Body in Health and Disease: Seminar]
 [History of Science 242. Caring and Curing: Seminar]
[History of Science 243. The Making of Modern Medicine: Seminar](#)
 [*History of Science 253. Bioethics, Law, and the Life Sciences]
 [History of Science 258. The Normal and the Abnormal]
[*History of Science 294. Tools, Instruments, and Extended Cognition - \(New Course\)](#)
 [Human Evolutionary Biology 1310 (formerly Anthropology 1310). Hormones and Behavior]
[Human Evolutionary Biology 1316. Human Origins and Evolution - \(New Course\)](#)
[Human Evolutionary Biology 1330 \(formerly Anthropology 1330\). Primate Social Behavior](#)
[Human Evolutionary Biology 1331. Comparison and Adaptation in Primate Evolutionary](#)



[Biology - \(New Course\)](#)

[Human Evolutionary Biology 1371. Paternity, Fidelity and Parenting - \(New Course\)](#)

[*Human Evolutionary Biology 1375 (formerly *Anthropology 1375). Testosterone and Human Behavior]

[*Human Evolutionary Biology 1418 \(formerly *Anthropology 1418\). Endocrinology and Behavior: Research Seminar](#)

[*Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates]

[Human Evolutionary Biology 1490. Primate Evolution]

[Human Evolutionary Biology 1565. Theories of Sexual Coercion]

[Life Sciences 2. Evolutionary Human Physiology and Anatomy](#)

[Life Sciences 60 \(formerly MCB 60\). Ethics, Biotechnology, and the Future of Human Nature](#)

[Linguistics 83. Language, Structure, and Culture]

[Linguistics 88. Language and Cognition](#)

[Linguistics 110. Introduction to Linguistics](#)

[Linguistics 112a. Introduction to Syntactic Theory](#)

[Linguistics 112b. Intermediate Syntax](#)

[Linguistics 115a \(formerly Linguistics 115\). Introduction to Phonetics and Phonology](#)

[Linguistics 115b. Intermediate Phonology](#)

[Linguistics 116a \(formerly Linguistics 116\). Introduction to Semantics](#)

[Linguistics 116b. Intermediate Semantics](#)

[Linguistics 130. Psycholinguistics]

[Linguistics 132. Psychosemantics]

[Linguistics 146. Syntax and Processing]

[Linguistics 148. Language Universals]

[Linguistics 188r \(formerly Linguistics 188\). Bilingualism](#)

[Linguistics 202r \(formerly Linguistics 202\). Advanced Syntax](#)

[Linguistics 205r. The Syntax-Semantics Interface](#)

[Linguistics 207r (formerly Linguistics 207). Topics in Semantics]

[Literature and Arts A-35. Tragic Drama and Human Conflict](#)

[Mathematics 153. Mathematical Biology-Evolutionary Dynamics](#)

[MCB 105. Systems Neuroscience](#)

[MCB 115. Cellular Basis of Neuronal Function]

[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)

[MCB 140. Introduction to Biophysics]

[MCB 141. Molecular and Developmental Neurobiology]

[MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation](#)

[MCB 206. Introduction to Connectomics]

[Microbiology 213. Social Issues in Biology](#)

[Music 235r. Cognitive Theories of Music]

[Neurobiology 130 \(formerly Psychology 1205\). Drugs and the Brain: From Neurobiology to Ethics](#)

[*Neurobiology 135 (formerly *Psychology 2350). Current Topics in Cognitive Neuroscience Research]

[Neurobiology 200. Introduction to Neurobiology](#)



[Neurobiology 204. Neurophysiology of Central Circuits](#)
[Neurobiology 207. Developmental Neurobiology](#)
[*Neurobiology 220. Cellular Neurophysiology](#)
[*Neurobiology 221. Molecular Neurobiology](#)
[OEB 53 \(formerly Biological Sciences 53\). Evolutionary Biology](#)
[OEB 57 \(formerly Biological Sciences 57\). Animal Behavior](#)
 [OEB 125. Molecular Ecology and Evolution]
 [OEB 174r. Topics in Behavioral Ecology]
[OEB 223. Topics in Neurogenetics](#)
 [*Pathology 205. Molecular Biology of the Auditory System]
[Philosophy 3. Introduction to the Problems of Philosophy](#)
[Philosophy 8. Introduction to Early Modern Philosophy](#)
 [Philosophy 137. The Later Philosophy of Wittgenstein]
[Philosophy 144. Logic and Philosophy](#)
[Philosophy 152. Philosophy of Biology](#)
[Philosophy 156. Philosophy of Mind](#)
[*Philosophy 158q. History of the Unconscious: Proseminar - \(New Course\)](#)
[*Philosophy 249w. Tools, Instruments, and Extended Cognition: Seminar - \(New Course\)](#)
[Physics 136. Physics of NMR Imaging with Medical Applications \(formerly Physics of Medical Imaging\)](#)
 [Physics 140. Introduction to Biophysics]
 [Physics 141. The Physics of Sensory Systems in Biology]
[Psychology 1. Introduction to Psychology](#)
[Psychology 13. Cognitive Psychology](#)
[Psychology 15. Social Psychology](#)
[*Psychology 16. Developmental Psychology: Psychology of Early Childhood](#)
[Psychology 18. Abnormal Psychology](#)
[*Psychology 950. Psychology Live!](#)
[Psychology 980a. Self-Destructive Behaviors - \(New Course\)](#)
[*Psychology 980mm. Creativity: Madmen, Geniuses, and Harvard Students](#)
[*Psychology 980v. The Insanity Defense](#)
[*Psychology 1150. Perception](#)
 [*Psychology 1151. Cognitive Evolution: Theory and Practice]
[*Psychology 1152r. Cognitive Evolution Lab](#)
[Psychology 1201. Your Brain on Drugs: Psychopharmacology](#)
[Psychology 1301. Cognitive Neuroscience](#)
 [*Psychology 1302. Psychology of Language]
[*Psychology 1304. Cognitive Neuropsychology](#)
[*Psychology 1306. Language and Thought](#)
[*Psychology 1351. Animal Cognition](#)
 [*Psychology 1352. Foundations of Cognitive Neuroscience Research]
 [*Psychology 1354. Classic Papers on Memory (and the Ones that Got Away!)]
 [*Psychology 1359. Words, Actions, and Objects]
 [Psychology 1430. Human Memory and Amnesia]
[Psychology 1501. Social Psychology of Organizations](#)
[Psychology 1505. Social Cognition](#)



[*Psychology 1506. Social Neuroscience]
[*Psychology 1551. Mind Perception](#)
 [*Psychology 1557. Self and Identity: Seminar]
[*Psychology 1572. Stress and Health: Concentration Seminar](#)
 [Psychology 1603. Adolescent Development]
[Psychology 1607. Cognitive Development, Education, and the Brain](#)
 [*Psychology 1651. Language Development: Undergraduate Laboratory Course]
[*Psychology 1652r. Laboratory in Early Cognitive Development](#)
[*Psychology 1655. Conceptual Development: Undergraduate Laboratory Course](#)
 [Psychology 1702. Emotion]
[Psychology 1801. Anxiety Disorders](#)
[Psychology 1808. Neurobiological Aspects of Psychopathology](#)
 [*Psychology 1851. Clinical Psychology: Science and Practice]
[Psychology 1854. Schizophrenia: Seminar](#)
 [*Psychology 1855. Mood Disorders]
[*Psychology 1861. Developmental Psychopathology](#)
 [*Psychology 2050. History of Psychology: Seminar]
 [Psychology 2110. Emotional Development: Biology, Relationships, Culture]
 [*Psychology 2170. Developmental Proseminar]
[*Psychology 2180. Rational Statistical Learning and Conceptual Development - \(New Course\)](#)
 [*Psychology 2190. Topics in Language Acquisition]
[*Psychology 2280. Language and Human Nature](#)
 [*Psychology 2320. Applying fMRI to Cognitive Research]
[*Psychology 2335r. Language: Research Seminar](#)
 [*Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects]
 [*Psychology 2351. Construction and Function of Memory: Seminar]
[*Psychology 2352r. Laboratory for Social Cognitive Neuroscience](#)
 [*Psychology 2354r. Advanced Laboratory in Cognitive Neuroscience]
[*Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar](#)
[*Psychology 2358r. Memory: Research Seminar](#)
 [*Psychology 2370. The Development of Social Cognition]
[*Psychology 2380. Theory and Evidence in Cognitive Science and Neuroscience - \(New Course\)](#)
[*Psychology 2441. Clinical Neuroscience - \(New Course\)](#)
 [*Psychology 2445. Psychological Treatment Research]
[Psychology 2446r. Clinical Research Laboratory](#)
[Psychology 2461r. Laboratory for Clinical and Developmental Research](#)
[*Psychology 2464r \(formerly *Psychology 2464\). Research Methods in Child & Adolescent Clinical Psychology - \(New Course\)](#)
[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar](#)
 [Psychology 2482. Neuropsychological Assessment]
[*Psychology 2500. Advanced Social Psychology](#)
[*Psychology 2530r. Mental Control: Research Seminar](#)
 [*Psychology 2552. Moral Cognition]



[*Psychology 2553r. Decision Making and Negotiation: Research Seminar](#)
[*Psychology 2554r. Moral Cognition: Research Seminar](#)
[*Psychology 2570r. Intergroup Relations: Research Seminar](#)
[*Psychology 2580r. Affective Forecasting: Research Seminar](#)
[\[*Psychology 2600. Consciousness\] - \(New Course\)](#)
[*Psychology 2610r. Social Psychophysiology: Research Seminar](#)
[*Psychology 2640r. The Understand Seminar](#)
[*Psychology 2650. Behavioral Approaches to Decision Making and Negotiation](#)
[*Psychology 2660r. Research Seminar in Mindfulness Theory](#)
[*Psychology 2670a. Decision Making I](#)
[*Psychology 2670b. Decision Making II](#)
[\[*Psychology 2751. Free Will, Responsibility, and Law\]](#)
[*Psychology 2752. Personality Disorders Seminar](#)
[*Psychology 2851r. Affective Neuroscience: Research Seminar](#)
[Quantitative Reasoning 22. Deductive Logic](#)
[\[Science B-27. Human Evolution\]](#)
[\[Science B-44. Vision and Brain\]](#)
[\[Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology\]](#)
[Social Analysis 34. Knowledge of Language](#)
[Social Analysis 43. Psychological Trauma](#)
[Systems Biology 200 \(formerly Systems Biology 101\). A Systems Approach to Biology](#)

Molecular and Cellular Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Molecular and Cellular Biology

Catherine Dulac, Higgins Professor of Molecular and Cellular Biology (*Chair, Co-Director of Graduate Studies*)

Uri Alon, Visiting Associate Professor of Molecular and Cellular Biology (*Weizmann Institute of Science*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

Briana Burton, Assistant Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences

Philippe Cluzel, Professor of Molecular and Cellular Biology and Gordon McKay Professor of Applied Physics



Victoria M. D'Souza, Assistant Professor of Molecular and Cellular Biology
Vladimir Denic, Assistant Professor of Molecular and Cellular Biology
John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*) (*on leave spring term*)
Florian Engert, Associate Professor of Molecular and Cellular Biology
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
William D. Fixsen, Senior Lecturer on Molecular and Cellular Biology
Nicole J. Francis, Assistant Professor of Molecular and Cellular Biology
Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology (*Co-head Tutor, Biochemical Sciences*)
William M. Gelbart, Professor of Molecular and Cellular Biology (*on leave 2008-09*)
Guido Guidotti, Higgins Professor of Biochemistry
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
Takao K. Hensch, Professor of Molecular and Cellular Biology (*FAS*) and Professor of Neurology (*Medical School*) (*on leave fall term*)
Craig P. Hunter, Professor of Molecular and Cellular Biology
David Jeruzalmi, Associate Professor of Molecular and Cellular Biology
Nancy Kleckner, Herchel Smith Professor of Molecular Biology
Samuel M. Kunes, Professor of Molecular and Cellular Biology
Andres Leschziner, Assistant Professor of Molecular and Cellular Biology
Jeff W. Lichtman, Professor of Molecular and Cellular Biology
Richard M. Losick, Maria Moors Cabot Professor of Biology (*Co-Head Tutor, Biochemical Sciences; Head Tutor, Molecular and Cellular Biology*)
Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology (*Director of Life Sciences Education*)
Thomas Maniatis, Jeremy R. Knowles Professor of Molecular and Cellular Biology (*Co-Director of Graduate Studies*)
Jonathan I. Matsui, Lecturer on Molecular and Cellular Biology, and Concentration Advisor in the Life Sciences
Andrew P. McMahon, Frank B. Baird, Jr. Professor of Science (*on leave 2008-09*)
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology (*Co-Director of Graduate Studies*) (*on leave fall term*)
Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences, Harvard College Professor
Matthew Meselson, Thomas Dudley Cabot Professor of the Natural Sciences
Matthew Michael, Associate Professor of Molecular and Cellular Biology
Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
Venkatesh N. Murthy, Professor of Molecular and Cellular Biology (*on leave fall term*)
Daniel Joseph Needleman, Assistant Professor of Applied Physics (*SEAS*) and of Molecular and Cellular Biology (*FAS*)
David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
Hidde Ploegh, Visiting Professor of Molecular and Cellular Biology (*MIT*)



James J. Quattrochi, Visiting Scholar in the Department of Molecular and Cellular Biology,
Lecturer on Molecular and Cellular Biology
Sharad Ramanathan, Assistant Professor of Molecular and Cellular Biology (*FAS*), and of
Applied Physics (*SEAS*)
Joshua R. Sanes, Professor of Molecular and Cellular Biology (*on leave fall term*)
Vicki L. Sato, Professor of the Practice of Molecular and Cellular Biology (*FAS*) and Professor
of Management Practice (*Business School*)
Alexander F. Schier, Professor of Molecular and Cellular Biology
Haim I. Sompolsky, Visiting Professor of Molecular and Cellular Biology (*Hebrew University*)
Jack L. Strominger, Higgins Professor of Biochemistry (*on leave spring term*)
A. Thomas Torello, Lecturer on Molecular and Cellular Biology
Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology
Alain Viel, Senior Lecturer on Molecular and Cellular Biology

Affiliate Members of the Department of Molecular and Cellular Biology

Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry
Gregory L. Verdine, Erving Professor of Chemistry

Other Faculty Offering Instruction in Molecular and Cellular Biology

Christophe O. Benoist, Professor of Medicine (*Medical School*)
Daniel Branton, Higgins Professor of Biology, *Emeritus*
Charles A. Czeisler, Frank Baldino, Jr., PhD, Professor of Sleep Medicine (*Medical School*)
Kevin C. Eggan, Assistant Professor of Stem Cell and Regenerative Biology
Cassandra G. Extavour, Assistant Professor of Organismic and Evolutionary Biology
Walter Gilbert, Carl M. Loeb University Professor, *Emeritus*
David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Michael E. Greenberg, Professor of Neurology (*Medical School*)
David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology (*Head Tutor, Biology*)
Diane J. Mathis, Professor of Medicine (*Medical School*)
Thomas Michel, Professor of Medicine (*Medical School*)
R. Clay Reid, Professor of Neurobiology (*Medical School*)
Aravinthan D. T. Samuel, Associate Professor of Physics
Julian L. Seifter, Associate Professor of Medicine (*Medical School*)
Peter K. Sorger, Professor of Systems Biology (*Medical School*)
David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics (*on leave 2008-09*)

Courses offered by the MCB Department are appropriate for students interested in a variety of Life Sciences Concentrations, including Molecular and Cellular Biology, Chemical and Physical Biology, Neurobiology, and Organismic and Evolutionary Biology. For more information about Molecular and Cellular Biology Courses and the Life Sciences Concentrations, visit www.lifescience.fas.harvard.edu.



Primarily for Undergraduates

MCB 52 (formerly Biological Sciences 52). Molecular Biology

Catalog Number: 1938

Richard M. Losick and A. Thomas Torello

Half course (fall term). M., W., F., at 10, and one laboratory/discussion session weekly. EXAM GROUP: 3

An integrated and quantitative introduction to the basic principles of molecular biology, with an emphasis on experimental methods and problem solving. The course begins with the biochemistry and structure of DNA, continues with the Central Dogma of molecular biology including DNA replication and repair, transcription and RNA processing, and translation. Concludes with an overview of gene regulation and systems biology.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Life Sciences 1a and Life Sciences 1b, or by permission of the instructor.

MCB 54 (formerly Biological Sciences 54). Cell Biology

Catalog Number: 0801

Robert A. Lue and Alexander F. Schier

Half course (spring term). M., W., F., at 10, and one laboratory/discussion session weekly.

EXAM GROUP: 3

An integrated introduction to the structure, function, and interactions of cells. Topics covered include: membrane structure and transport, receptors and channels, protein targeting, cytoskeleton, cell cycle, signal transduction, cell migration, cell growth and death, cell adhesion, cell polarity, embryogenesis, organogenesis, and stem cells.

Note: Laboratory and discussion sessions focus on problem solving and evaluation of data. A series of linked laboratory exercises provides exposure to several techniques commonly used in cell biology and developmental biology. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Life Sciences 1a; Life Sciences 1b recommended.

MCB 56 (formerly Biological Sciences 56). Biochemistry and Physical Properties of Macromolecules

Catalog Number: 5424

Rachelle Gaudet

Half course (spring term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2

An introduction to the structure and function of macromolecules from the perspective of their physical properties. Topics include protein and nucleic acid structure, enzyme kinetics and mechanisms with examples from intermediary metabolism, spectroscopic analysis, chemical equilibria and thermodynamic properties, behavior of macromolecules in solution including random walks, macromolecular mechanics.

Prerequisite: MCB 52 and MCB 54 are recommended but not required; Chemistry 10 or equivalent; Chemistry 27 or Chemistry 30; Physics 11 (may be taken concurrently); Math 21a; Math 21b is recommended but not required.



MCB 80 (formerly Biological Sciences 80). Neurobiology of Behavior

Catalog Number: 6052

Joshua R. Sanes and Jeff W. Lichtman

Half course (spring term). Tu., Th., 1–2:30, and a 90-minute section to be arranged. EXAM GROUP: 15, 16

An introduction to the ways in which the brain controls mental activities. The course covers the cells and signals that process and transmit information, and the ways in which neurons form circuits that change with experience. Topics include the neurobiology of perception, learning, memory, language, emotion, and mental illness.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B. The course is open to students with little formal training in biology.

Cross-listed Courses

Life and Physical Sciences A. Foundational Chemistry and Biology

Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature

Molecular and Cellular Biology Supervised Reading and Research Courses

***MCB 91r. Introduction to Research**

Catalog Number: 0282

A. Thomas Torello and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the Molecular and Cellular Biology Concentration under the direction of, or approved by, members of the Board of Tutors. A paper must be submitted to the laboratory sponsor and to the MCB Student Affairs Office for review by the Course Director and members of the Board of Tutors.

Note: Limited to Molecular and Cellular Biology Concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the MCB Student Affairs Office prior to enrolling in the course. This introductory research course is intended to prepare students for MCB 99 and may ordinarily be repeated no more than once. Ordinarily may not be taken as a fifth course.

***MCB 99. Laboratory Research for Honors Thesis**

Catalog Number: 2987

A. Thomas Torello and members of the Department

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in Molecular and Cellular Biology. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Course Director. Students may enter the course at midyear only with the permission of the Course Director. The thesis proposal must be approved by the Course Director and Head Tutor prior to enrolling in MCB 99.

Note: Ordinarily may not be taken as a fifth course.

Biochemical Sciences Supervised Reading and Research Courses



***Biochemical Sciences 91r. Introduction to Research**

Catalog Number: 6083

A. Thomas Torello and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the Biochemical Sciences Concentration under the direction of, or approved by, members of the Board of Tutors. A paper must be submitted to the laboratory sponsor and to the Biochemical Sciences Student Affairs Office for review by the Course Director and members of the Board of Tutors.

Note: Limited to Biochemical Sciences Concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the Biochemical Sciences Student Affairs 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. Ordinarily may not be taken as a fifth course.

***Biochemical Sciences 99. Laboratory Research for Honors Thesis**

Catalog Number: 6670

A. Thomas Torello and members of the Department

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in Biochemical Sciences. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Course Director. Students may enter the course at midyear only with the permission of the Course Director. The thesis proposal must be approved by the Course Director and Head Tutor prior to enrolling in Biochemical Sciences 99.

Note: Ordinarily may not be taken as a fifth course.

Biology Supervised Reading and Research Courses

***Biology 91r. Supervised Reading**

Catalog Number: 2817

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading on topics not covered by regular courses. For Biology Concentrators, work may be supervised by faculty in other departments provided it is co-sponsored by a Biology faculty member. For non-concentrators, work must be directed by a Biology faculty member. Students must submit a registration request to the Biology Undergraduate Office before enrollment.

Note: Cannot be repeated for concentration credit. Students must take Biology 91r and 99r with different directors.

Prerequisite: Four terms of biology.

***Biology 95hfg. Cape Cod and Islands: Historical Ecology and Conservation**

Catalog Number: 4576

David A. Haig and members of the Department

Half course (throughout the year). Hours to be arranged.

Coastal New England, including Cape Cod and the Islands, is a region of fascinating ecosystems and critical conservation issues. This course exposes students to ecology and conservation



biology by focusing on this region's environmental history, modern ecosystems, and conservation issues. In particular, we will explore its geological setting, archaeology, land-use history, vegetation patterns, invasive species, conservation strategies, and future changes.

***Biology 99r (formerly *Biology 98r, 99ar and 99b). Supervised Research**

Catalog Number: 8616

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

This course is taken to obtain credit for independent research, including research undertaken for a senior thesis. Work should be directed by a member of MCB, OEB, or an affiliate of the Biology Concentration. Other research sponsors must be approved by the Head Tutor and require an MCB or OEB co-sponsor. All students must submit registration materials for Biology 99r at the time of enrollment.

Note: Laboratory safety session required.

For Undergraduates and Graduates

MCB 105. Systems Neuroscience

Catalog Number: 0998

Florian Engert

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The neuronal basis of sensory processing and animal behavior will be explored in many different model systems as diverse as honeybees, weakly electric fish, and humans. Special emphasis is placed on the role of activity dependent modulation of neuronal connections in the context of learning, memory, and development of the nervous system.

Prerequisite: MCB 80.

MCB 111 (formerly MCB 211). Mathematics in Biology

Catalog Number: 6444

Markus Meister

Half course (spring term). M., W., 1:30–3. EXAM GROUP: 6, 7

Develops the mathematics needed for quantitative understanding of biological phenomena including data analysis, simple models, and framing quantitative questions. Topics include probability, transforms and linear algebra, and dynamical systems, each motivated by current biological research.

Note: Intended for biology students who do not have strong quantitative backgrounds.

Prerequisite: Mathematics 19 or higher.

[MCB 115. Cellular Basis of Neuronal Function]

Catalog Number: 8703 Enrollment: Limited to 25.

Venkatesh N. Murthy

Half course (fall term). Hours to be arranged.

Cellular processes involved in the function of neurons will be explored, with emphasis on biophysical and cell biological approaches. Topics include excitable membranes, intracellular membrane trafficking, cytoskeletal dynamics, synaptic transmission, dendritic integration, and



synaptic plasticity.

Note: Expected to be given in 2009–10.

[*MCB 118. From Egg to Embryo to Organ]

Catalog Number: 0749

Andrew P. McMahon

Half course (fall term). Hours to be arranged.

We will explore the molecular and cellular developmental mechanisms that regulate the progressive elaboration of a functional adult body plan through the study of vertebrate and invertebrate experimental model systems.

Note: Expected to be given in 2009–10.

Prerequisite: Life Sciences 1a or equivalent; Life Sciences 1b or MCB 54 recommended.

***MCB 122. The Biology of Cell Division and Cancer**

Catalog Number: 4353

Raymond L. Erikson

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

The molecular and cellular interfaces between normal cells and cancer cells will be covered in lectures and readings from the original literature. Topics will include conversion of extracellular signals to intracellular signals, protein kinase networks, mitosis, cell death, oncogenes, and suppressor genes.

Prerequisite: MCB 52 and MCB 54.

***MCB 129. Molecular Genetics of Neural Development and Behavior**

Catalog Number: 8956 Enrollment: Limited to 20.

Samuel M. Kunes

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

A lecture and discussion course on the development of the nervous system and the relationship between genes and behavior. Topics include neural differentiation and cell identity, cell birth and death, axon guidance and synaptic specificity, behavioral genetics. Emphasis on critical evaluation of readings from the primary literature, experimental design and scientific writing.

Prerequisite: Permission of the instructor.

[MCB 140. Introduction to Biophysics]

Catalog Number: 9736 Enrollment: Limited to 40.

Howard C. Berg and Aravinthan D. T. Samuel

Half course (fall term). Hours to be arranged.

An introduction to the biology and physics of stochastic processes that affect the behavior of cells, biopolymers, and biological motors. Elements of probability and statistics, entropic elasticity, the random walk, diffusion, sedimentation, and electrophoresis. Applications to sensory physiology, cell motility, stretching and twisting of DNA, and the motion of motors along biopolymers.

Note: Expected to be given in 2009–10. Given in alternate years. Lectures, problem sets, and discussions. May not be taken for credit by students who have taken Physics 140.

Prerequisite: Mathematics at the level of 21a, Physics 15a/15b or Physics 11a/11b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.



[MCB 141. Molecular and Developmental Neurobiology]

Catalog Number: 5205

Catherine Dulac

Half course (spring term). Hours to be arranged.

Molecular basis of sensory perception and formation of related neuronal networks during vertebrate development. Topics will include mechanisms of sensory discrimination at the level of receptor molecules and receptor cells, coding of sensory information by the brain, and establishment of appropriate connections in the developing brain. Molecular and genetic approaches to memory and behavior will be discussed.

Note: Expected to be given in 2009–10.

Prerequisite: MCB 52 and MCB 80.

***MCB 142. Major Advances in Classical and Molecular Genetics**

Catalog Number: 7948 Enrollment: Limited to 20.

Matthew Meselson

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Course aims to develop an understanding of the conceptual history of genetics, starting with Mendel and continuing with seminal papers on the chromosomal and molecular basis of heredity. Course work includes critical reading, group discussion of selected papers in classical and molecular genetics, and submission of written answers to problem sets. Participation in class discussion of readings is essential. A substantial essay on a mutually agreed topic is due by end of reading period.

Prerequisite: Life Sciences 1b or equivalent and permission of the instructor.

***MCB 145 (formerly *Neurobiology 95hfb). Neurobiology of Perception and Decision-Making**

Catalog Number: 6972

Naoshige Uchida

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

How does an animal learn from an ever-changing environment and adjust their behavior? What is the neuronal underpinning of decision-making? Recent advances in neuroscience have provided insights about neuronal processes underlying decision-making. This tutorial examines key literatures on neurophysiological studies of decision-making. Through these readings, students learn recent advances in research, various key concepts and quantitative analysis methods used in neurophysiological studies of decision-making.

Prerequisite: MCB 80 and permission of the instructor.

***MCB 146 (formerly *Neurobiology 95c). Experience-Based Brain Development: Causes and Consequences**

Catalog Number: 5390

Takao K. Hensch

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

At no time in life does the surrounding environment so potently shape brain function as in infancy and early childhood. This course integrates molecular/cellular biology with systems neuroscience to explore biological mechanisms underlying critical periods in brain development. Understanding how neuronal circuits are sculpted by experience will motivate further



consideration of the social impact on therapy, education, policy, and ethics.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

MCB 150. Developmental Genetics and Genomics

Catalog Number: 5703

Kevin C. Eggan

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

The process by which genes, and traits they encode, are transmitted from one cell to another and one generation to the next will be explored. A conceptual foundation for genetic analysis will be established through studies of model organisms including yeast, *C. elegans*, *Drosophila* and mouse. Classical approaches and modern transgenic techniques will be explained and ultimately applied towards the understanding of human genetics. Primarily lecture based with some discussion of primary scientific literature.

Prerequisite: Life Sciences 1a or equivalent, Life Sciences 1b or equivalent, and MCB 52.

[MCB 151. From the Gene to the Phenotype]

Catalog Number: 5799

William M. Gelbart

Half course (spring term). Hours to be arranged.

This course will explore how the information encoded in our genomes leads to both the shared phenotypic characteristics of a species as well as individual variation. Both the classical literature and current state-of-the-art will be discussed.

Note: Expected to be given in 2009–10.

Prerequisite: Life Sciences 1b, or Biological Sciences 50, or permission of the instructor.

MCB 152. Genetic Analysis - (New Course)

Catalog Number: 6788

Craig P. Hunter

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An advanced course focusing on genetic analysis of fundamental cellular and developmental processes in model organisms. An emphasis is placed on reading and understanding the primary literature through introductory lectures, class discussions, and short written assignments. Students will learn how to design and interpret genetic experiments in a variety of model organisms.

Prerequisite: Life Sciences 1b, MCB 52, and MCB 54.

***MCB 155. Molecular Mechanisms of Gene Control**

Catalog Number: 6230

Thomas Maniatis and Nicole J. Francis

Half course (spring term). Tu., Th., 4–6. 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: MCB 52 and MCB 54 (or equivalent), and permission of instructor.

MCB 156. Structural Biology of the Flow of Information in the Cell

Catalog Number: 8543

David Jeruzalmi

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A journey that follows the path taken by an extra-cellular signal as it reaches a cell, traverses the plasma membrane, navigates the cytoplasm, and finally manifests its effect upon the genome. Through the reading and discussion of primary research literature, the course highlights how structural biology has helped develop a detailed picture of each step in the pathway. The interplay between cellular and network biology and structural biology is also emphasized.

Prerequisite: Introductory molecular and cellular biology (MCB 52 and MCB 54 or equivalent).

MCB 169. Molecular and Cellular Immunology

Catalog Number: 2518

Hidde Ploegh (MIT)

Half course (fall term). Tu., Th., 10–11:30, and a 90-minute section 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: Life Sciences 1b or equivalent and MCB 52. Genetics and cell biology strongly recommended.

***MCB 173. Optical Imaging in the Biological Sciences**

Catalog Number: 3836

Jeff W. Lichtman

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The optical microscope has undergone a radical transformation. Recent innovations in lasers, chemistry, molecular biology, detectors, computation and optics have propelled the microscope to the cutting edge of modern biology. These complex machines are now the tools of choice for revealing structure and function in biology. This course explores the principles and practice of the “new microscopy”. Topics include the nature of light, fluorescence, image restoration, confocal, 2-photon, structured illumination and other new techniques.

Prerequisite: Permission of the instructor; MCB 80 recommended.

MCB 176. Biochemistry of Membranes

Catalog Number: 3186

Guido Guidotti

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

A course on the properties of biological membranes, essential elements for cell individuality, communication between cells, and energy transduction. Topics include: membrane structure; membrane protein synthesis, insertion in the bilayer and targeting; transporters, pumps and channels; electron transport, H⁺ gradients and ATP synthesis; membrane receptors, G proteins



and signal transduction; membrane fusion.

Prerequisite: MCB 52 and MCB 54 are recommended but not required.

[MCB 185. Molecular Pathophysiology and Pharmacology of Human Disease]

Catalog Number: 1124

Vicki L. Sato and Gregory L. Verdone

Half course (spring term). Hours to be arranged.

This course will address both the molecular basis of human disease and the biological and chemical foundation of therapeutic intervention. The course will include lectures by prominent experts and analysis of the primary literature.

Note: Expected to be given in 2009–10. May not be taken concurrently with Chemistry 185. May not be taken for credit if Chemistry 185 or Chemistry 285 have already been taken.

Prerequisite: Chemistry 20/30 or 17/27, MCB 52, or their equivalents.

MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation

Catalog Number: 2854

J. Woodland Hastings and Charles A. Czeisler (Medical School)

Half course (fall term). W., 2–5, and a weekly section 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: Life Sciences 1b or equivalent, MCB 80 desirable.

MCB 188. Chromosomes

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: Life Sciences 1b or equivalent, MCB 52, and MCB 54.

MCB 192. Principles of Drug Discovery and Development

Catalog Number: 2188 Enrollment: Limited to 40.

Vicki L. Sato and Mark C. Fishman (Medical School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This interdisciplinary course will examine the process of drug discovery and development through disease-driven examples. Topics include: the efficacy/toxicity balance, the differences between drugs and inhibitors, the translation of cellular biochemistry to useful medicine.

Note: May not be taken concurrently with Chemistry 192. May not be taken for credit if



Chemistry 192 has already been taken.

Prerequisite: MCB 52 and one year of organic chemistry. MCB 54 is recommended.

MCB 195. Foundations of Systems Biology and Biological Engineering

Catalog Number: 9112

Uri Alon (Weizmann Institute of Science) and Peter K. Sorger (Medical School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course builds an understanding of design principles in biology. We will ask why biological circuits are built the way they are and answer using mathematical models. Topics: elementary circuits in biological networks, robustness, pattern-formation in embryos, error-correction, and evolutionary optimization.

Note: Students from physics, engineering and other disciplines are also welcome.

Prerequisite: Life Sciences 1a/1b and Mathematics 1a/1b and molecular cell biology at the level of MCB 52 and MCB 54. Familiarity with mathematics at the level of 19/20 is strongly recommended.

MCB 199. Statistical Thermodynamics and Quantitative Biology

Catalog Number: 9072

David R. Nelson

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Course seeks to develop an understanding of thermodynamics and statistical mechanics, with applications to quantitative problems in biology such as configurations of biopolymers, equilibrium states of matter, chemical reactions and protein transport, using the concepts of entropy, free energy, adsorption, chemical kinetics and molecular diffusion.

Prerequisite: Two semesters of college calculus, a calculus-based physics course, and some exposure to molecular and cellular biology. Experience with statistics and differential equations not essential, but helpful.

Cross-listed Courses

Biophysics 101 (Genomics and Computational Biology). Computational Biology

Chemistry 163. Frontiers in Biophysics

Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Evolutionary Anatomy

[*Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates]

***Life Sciences 100r (formerly *MCB 100r). Experimental Research in the Life Sciences**

Mathematics 153. Mathematical Biology-Evolutionary Dynamics

[Physics 141. The Physics of Sensory Systems in Biology]

SCRB 125 (formerly MCB 125). Cloning, Regeneration, and Reprogramming

SCRB 165. Directed Differentiation of Stem Cells - (New Course)

SCRB 167. What does Human Disease Teach Us About Mammalian Biology? - (New Course)

SCRB 190. Understanding Aging: Degeneration, Regeneration, and the Scientific Search for the Fountain of Youth - (New Course)



Primarily for Graduates

[MCB 206. Introduction to Connectomics]

Catalog Number: 2303

Jeff W. Lichtman, R. Clay Reid (Medical School) and members of the Department

Half course (fall term). Hours to be arranged.

Focuses on how the tools of connectomics (nanoscale imaging, nanoscale and microscale cutting, fluorescent and electron-dense staining, image analysis algorithms) generate data about neural connectivity. Case studies: *C. elegans*, neuromuscular junction, retina, cortex.

Note: Expected to be given in 2009–10.

***MCB 208. Talking about Science**

Catalog Number: 3605 Enrollment: Limited to 30.

Jeff W. Lichtman and Michael E. Greenberg (Medical School)

Half course (spring term). W., 5–6:30. EXAM GROUP: 9

Teaches advanced students how to give a good research talk while exposing them to seminal scientific discoveries. Emphasis will be on speaking style, lecture organization, and use of video projection tools.

Note: In addition to lecture material from the Course Head, students will present experiments from Nobel Prize-winning work. The presentations will be critiqued in class by the participants. Open to second year graduate students or by permission of the instructor.

MCB 212. Topics in Biophysics

Catalog Number: 3351

Howard C. Berg

Half course (spring term). F., 2:30–4. EXAM GROUP: 7, 8

Motility and sensory transduction; chemotaxis in bacteria; flagellar motility; prokaryotic and eukaryotic motor molecules.

Note: Given in alternate years. A term paper and seminar are required.

MCB 225. Interesting Questions in Physical Biology

Catalog Number: 7646

Nancy Kleckner and David A. Weitz

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Physical biology can be defined as a discipline that seeks to understand biological processes through the lens of physics and engineering. Faculty and students will unite to review current research with the aim of identifying and pondering interesting emerging questions in this area.

Note: Intended primarily for first year graduate students in the EPB PhD track but available to other graduate students and advanced undergraduates as space permits.

MCB 234. Cellular Metabolism and Human Disease

Catalog Number: 0870

Thomas Michel (Medical School), Robert A. Lue and members of the Department

Half course (spring term). M., W., F., 9–10:30. EXAM GROUP: 2, 3

Cellular and organismal metabolism, with focus on interrelationships between key metabolic pathways and human disease states. Genetic and acquired metabolic diseases and functional



consequences for specific organ systems. Lectures and conferences are integrated with clinical encounters with patients.

Note: Students may attend lectures in either Cambridge or Boston since they will be transmitted live from HMS to Harvard College and vice-versa; the inter-campus link will allow real-time interactions between students and faculty at each site. May not be taken concurrently with BCMP 234. May not be taken for credit if BCMP 234 has already been taken.

Prerequisite: Knowledge of introductory biochemistry, genetics, and cell biology required (MCB 52 and MCB 54 or equivalent); one year of organic chemistry.

MCB 235. Principles of Human Disease: Physiology and Pharmacology - (New Course)

Catalog Number: 9139

David E. Golan (Medical School), Julian L. Seifter (Medical School), and Alain Viel

Half course (fall term). M., W., F., 9–10:30. EXAM GROUP: 2, 3

Principles of human physiology, pathophysiology and drug action—including mechanisms of organ function in health and disease and strategies for designing drug-based therapeutic interventions—discussed in lectures, critical readings, clinical case scenarios, and patient presentations.

Note: May not be taken concurrently with BCMP 235. May not be taken for credit if BCMP 235 has already been taken.

Prerequisite: Knowledge of introductory biochemistry, molecular biology, and cell biology required (MCB52 and MCB54 or equivalent); one year of organic chemistry.

MCB 240. Probability (Graduate Seminar in General Education) - (New Course)

Catalog Number: 6577

Edward J. Hall and Andrew W. Murray

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

This course will emphasize conceptual foundations and characteristic errors we humans fall into when trying to reason "probabilistically". Beginning with an examination of what "probability" means, and the various reasons why this notion must be distinguished from the notion of statistical frequency, the bulk of the course will take up various pernicious fallacies in "probabilistic thinking." The seminar will design and develop a General Education course on these themes for undergraduates.

MCB 254. Advanced Cell Biology

Catalog Number: 1622

Matthew Michael

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

This course covers advanced topics in modern cell biology. It is intended for graduate students and advanced undergraduates. The course is organized around important unanswered questions in cell biology. Examples include what is the fate of the Golgi at mitosis? And, how do cells and tissues know how big they are? Each week a different question will be addressed, through a combination of discussion of primary research papers and lectures.

MCB 268. Molecular Immunology: Seminar

Catalog Number: 2196 Enrollment: Limited to 16.

Christophe O. Benoist (Medical School) and Diane J. Mathis (Medical School)



Half course (spring term). M., Th., 4–6. EXAM GROUP: 9, 18

One session each week is a lecture on the topics. At the second session four papers are read from the current literature, each presented by a student in 20-30 minutes. Course work: reading of papers, seminar presentations, and class participation.

Prerequisite: MCB 169 or permission of instructor required for undergraduates only.

MCB 291. Genetics, Genomics and Evolutionary Biology - (New Course)

Catalog Number: 2833

Andrew W. Murray and Cassandra G. Extavour

Half course (fall term). M., W., 10:30–12. EXAM GROUP: 3, 4

This class covers the fundamentals of classical genetics, macro- and microevolution, phylogenetics, developmental evolution, and systems biology. The emphasis is on major concepts and terminology, reading landmark primary literature, and acquainting students with research techniques.

***MCB 292. Cellular Biology, Neurobiology and Developmental Biology - (New Course)**

Catalog Number: 4288 Enrollment: Limited to 20.

Samuel M. Kunes, John E. Dowling, and Craig P. Hunter

Half course (fall term). W., F., 2–3:30. EXAM GROUP: 7, 8

The biology of the individual cell lies at the heart of multi-cellular phenomena such as development and neural function. This course will emphasize critical evaluation of the primary literature, experimental design and scientific writing.

MCB 293. Physical, Chemical and Molecular Biology - (New Course)

Catalog Number: 2706

Andres Leschziner and Victoria M. D'Souza

Half course (fall term). Tu., Th., at 2:30, and a weekly section to be arranged. EXAM GROUP: 16, 17

This course will introduce basic principles in general, organic and physical chemistry, including kinetics and thermodynamics, as well as macromolecular structure. Concepts will be illustrated with examples taken from the visual system.

Note: Only open to graduate students.

Cross-listed Courses

Applied Physics 291. Electron Microscopy Laboratory

BCMP 235. Principles of Human Disease: Physiology and Pharmacology - (New Course)

***Chemistry 270. Chemical Biology**

Engineering Sciences 224. Laboratory in Engineering and Physical Biology

Microbiology 213. Social Issues in Biology

Systems Biology 200 (formerly Systems Biology 101). A Systems Approach to Biology

Graduate Courses of Reading and Research



***MCB 300. Introduction to Research**

Catalog Number: 4816

Markus Meister, Catherine Dulac (on leave spring term), and members of the Department

***MCB 301. Synapse Formation**

Catalog Number: 3935

Joshua R. Sanes 5094 (on leave fall term)

***MCB 302. Mechanisms of Epigenetic Reprogramming**

Catalog Number: 6640

Kevin C. Eggan 5373

***MCB 303. Mechanisms of Epigenetic Inheritance by Polycomb Group Proteins**

Catalog Number: 3144

Nicole J. Francis 5227

***MCB 304. Experimental Biological Physics and Quantitative Cell Biology - (New Course)**

Catalog Number: 5730

Daniel Joseph Needleman 6151

***MCB 305. Signaling Processing and Systems Biology - (New Course)**

Catalog Number: 1443

Sharad Ramanathan 6015

***MCB 306. Biophysics and Physiology of Neurons**

Catalog Number: 1695

Venkatesh N. Murthy 2424 (on leave fall term)

***MCB 307. Developmental Genetics and Neurobiology**

Catalog Number: 8554

Alexander F. Schier 5238

***MCB 308. Quantitative Analysis of Regulatory Networks**

Catalog Number: 2226

Erin K. O'Shea 5239

***MCB 311. Biochemistry of Epigenetics**

Catalog Number: 6131

Nicole J. Francis 5227

***MCB 312. Military and Arms Control Applications of Biology and Chemistry**

Catalog Number: 2063

Matthew Meselson 1319



***MCB 315. Structural Biology of Signaling and Transport Through Biological Membranes**

Catalog Number: 9560

Rachelle Gaudet 4413

***MCB 316. Structural Biology of Retroviral Replication**

Catalog Number: 8769

Victoria M. D'Souza 5584

***MCB 317. Structure and Function of the Biological Assemblies Involved in DNA Replication**

Catalog Number: 6396

David Jeruzalmi 4528

***MCB 322. Genetics and Development**

Catalog Number: 7290

Craig P. Hunter 2803

***MCB 326. Biochemical Virology**

Catalog Number: 0243

Raymond L. Erikson 7506

***MCB 327. DNA Damage Induced Signal Transduction**

Catalog Number: 8684

Matthew Michael 3825

***MCB 328. Neuronal Circuit Development**

Catalog Number: 5728

Takao K. Hensch 5813

***MCB 329. Structural Biology of ATP-Dependent Chromatin Remodeling**

Catalog Number: 6060

Andres Leschziner 5928

***MCB 330. Mechanisms of DNA Transport Across Membranes - (New Course)**

Catalog Number: 7228

Briana Burton 6214

***MCB 331. Single-Cell Analysis of Transcriptional and Signaling Networks in Bacteria - (New Course)**

Catalog Number: 4064

Philippe Cluzel 6215

***MCB 332. Mechanisms of Membrane-Based Cell Biological Processes - (New Course)**

Catalog Number: 9806

Vladimir Denic 6216



***MCB 344. Molecular and Developmental Neurobiology**

Catalog Number: 2292

Catherine Dulac 2801

***MCB 359. Chromosomes**

Catalog Number: 6278

Nancy Kleckner 4697

***MCB 364. Vertebrate Development**

Catalog Number: 1396

Andrew P. McMahon 3312 (on leave 2008-09)

***MCB 365. Neurobiology**

Catalog Number: 8349

John E. Dowling 3545 (on leave spring term)

***MCB 366. Synaptic Plasticity and Neuronal Networks**

Catalog Number: 1085

Florian Engert 4290

***MCB 367. Structural Studies of Synapses**

Catalog Number: 1850

Jeff W. Lichtman 5163

***MCB 369. Structure, Composition, and Function of Biological Membranes**

Catalog Number: 4636

Daniel Branton 4139

***MCB 373. Cellular Biochemistry and Physiology**

Catalog Number: 8053

J. Woodland Hastings 1311

***MCB 374. Developmental Neurobiology**

Catalog Number: 6167

Samuel M. Kunes 3486

***MCB 376. Molecular Biology**

Catalog Number: 4159

Walter Gilbert 1306

***MCB 377. Genetics and Development**

Catalog Number: 5598

William M. Gelbart 4774 (on leave 2008-09)



***MCB 378. Motile Behavior of Bacteria**

Catalog Number: 5729

Howard C. Berg 1377

***MCB 381. Microbial Development**

Catalog Number: 4994

Richard M. Losick 3561

***MCB 382. Molecular Immunology**

Catalog Number: 5515

Jack L. Strominger 1193 (on leave spring term)

***MCB 386. Molecular Evolution**

Catalog Number: 0763

Matthew Meselson 1319

***MCB 390. Function of Neuronal Circuits**

Catalog Number: 8883

Markus Meister 3007 (on leave fall term)

***MCB 391. Biochemistry**

Catalog Number: 4888

Guido Guidotti 1203

***MCB 395. Mechanisms of Gene Regulation**

Catalog Number: 7697

Thomas Maniatis 7231

***MCB 396. Regulation of Mitosis**

Catalog Number: 5706

Andrew W. Murray 3765

***MCB 399. Vertebrate Developmental Biology**

Catalog Number: 7699

Douglas A. Melton 7232

Music

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Department of Music

Anne C. Shreffler, James Edward Ditson Professor of Music, Department Chair of Music (*Chair*)
 Margaret Bent, Visiting Professor of Music
 Martin Bresnick, Visiting Lecturer on Music
 Sean Gallagher, Associate Professor of Music
 Mary Lee Greitzer, Lecturer on Music
 Christopher Hasty, Walter W. Naumburg Professor of Music (*Head Tutor*)
 Thomas Forrest Kelly, Morton B. Knafel Professor of Music (*on leave 2008-09*)
 Robert D. Levin, Dwight P. Robinson, Jr., Professor of Music
 Jameson N. Marvin, Senior Lecturer on Music
 Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment
 Carol J. Oja, William Powell Mason Professor of Music (*on leave 2008-09*)
 Alexander Rehding, Professor of Music
 Sindhumathi Revuluri, Assistant Professor of Music (*Assistant Head Tutor*)
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House (*Director of Graduate Studies*)
 Judith Tick, Visiting Professor of Music (*Northeastern University*)
 Hans Tutschku, Professor of Music
 Richard K. Wolf, Professor of Music (*on leave fall term*)
 Christoph Wolff, Adams University Professor
 James D. Yannatos, Senior Lecturer on Music

Undergraduates considering a concentration in Music should meet with the Head Tutor to discuss the program. Prospective concentrators in Music are encouraged to take Music 51 in their freshman year; Music 51 is a prerequisite of Music A. Music A is required of concentrators, and should be taken as early as possible. Students who know they are going to concentrate in Music and do not have piano background should consult with the instructor of Music A immediately upon arrival at Harvard. In order to obtain concentration credit for a course for which such credit is not normally given, students must petition the Department at the beginning of the term. For students not intending to concentrate in Music, the department ordinarily offers Music 1 and Music 2 every year. Other courses may be taken with permission of the instructor. See also listings in African and African American Studies, Core Curriculum, Folklore and Mythology, General Education, and Medieval Studies.

Primarily for Undergraduates

***Music Ar. Musicianship**

Catalog Number: 4859 Enrollment: Limited to concentrators

Robert T. Hasegawa

Half course (fall term; repeated spring term). Hours to be arranged.

Consists of two parts: (1) Basic piano skills (sight-reading, score reading, figured bass realization, harmonization, and improvisation), in 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: Earlab is open to students concurrently taking another course in the Music Concentration Program. Music concentrators are required to enroll in two terms of Music A, starting in the fall term. A special examination is required of Music concentrators to meet the Musicianship requirement. While credit is awarded for suitable progress in the course, concentrators may find it necessary to repeat (audit) all or portions of Music A in order to prepare for this exam (see Concentrator's Handbook)

Prerequisite: Music 51.

Music 1a. Introduction to Western Music from the Middle Ages to Mozart

Catalog Number: 8071

Sean Gallagher

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

Explores about one thousand years of music history (ca. 800-1800), from the medieval through the Classical period. Particular emphasis is given to the liturgical and stylistic context of Gregorian chant and early polyphony; text-music relationships in Renaissance and early baroque compositions; and the works of J. S. Bach, Handel, Haydn, and Mozart.

Note: Music 1a can be taken independently of Music 1b. No prior knowledge of music is presumed. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[Music 1b. Introduction to Western Music from Beethoven to the Present]

Catalog Number: 4952

Sean Gallagher

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

Music 1b continues the survey started in Music 1a, beginning with the transition from the Classical to the Romantic period. Explores the history of music in its stylistic and cultural contexts, including aspects of form, composition, social significance, and politics. Composers studied include Beethoven, Schubert, Robert and Clara Schumann, Liszt, Berlioz, Mahler, Wagner, Bizet, Verdi, Schoenberg, Berg, Stravinsky, Debussy, and later twentieth-century figures.

Note: Expected to be given in 2009–10. Music 1b can be taken independently of Music 1a. No prior knowledge of music presumed. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Music 2. Foundations of Tonal Music I

Catalog Number: 0645 Enrollment: Limited to 60.

Peter Andrew Gilbert

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Seeks to develop a greater understanding of musical language, the conceptual foundations of musical literature, and of how critical listening and analysis can be performed. We will make use of traditional prose analysis in the form of written essays as well as musically specific writing and analytical techniques. While reading knowledge of simple musical notation is helpful, there will be at least one section for students with no previous experience.

Note: Open to all students. May not be counted for concentration. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.



Music 3. Foundations of Tonal Music II

Catalog Number: 5805 Enrollment: Limited to 48.

Richard Beaudoin

Half course (spring term). M., W., F., at 11.

The first part of the course concentrates on increasing understanding and fluency in writing within the musical language of “common practice tonality.” The second part of the course looks at 20th-century techniques for composing music. The final project is a short composition that will be performed during reading period. Teaching takes place in groups of 10-12, divided according to background, with full group lectures every week.

Note: May not be counted for concentration credit.

Prerequisite: Music 2 or permission of the instructor.

Music 4. Introduction to Composition

Catalog Number: 2239 Enrollment: Limited to 16.

Richard Beaudoin

Half course (fall term). Tu., 3–5, Th., at 4. EXAM GROUP: 17, 18

Open to students with little or no prior experience in composition. Explores ways of thinking about and organizing basic compositional elements such as melody, harmony, rhythm and instrumental color, as well as developing skills of score preparation and analytical listening. The primary focus of the course is a series of short compositional exercises, culminating in a somewhat longer final project. Workshop performances of students’ music take place throughout the term.

Note: May not be counted for concentration credit.

Prerequisite: Music 2 or equivalent or permission of the instructor.

Music 5. Intermediate Composition - (New Course)

Catalog Number: 9966

Peter Gilbert

Half course (spring term). Th., 3–5, Tu., at 4. EXAM GROUP: 17, 18

Continues the exploration of basic compositional principles begun in Music 4 with a focus on strategies of large-scale organization in music. Students write pieces during the semester 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 instructor. May not be counted for concentration credit.

***Music 51a. Theory 1 - (New Course)**

Catalog Number: 2261

Alexander Rehding

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Musicianship, harmony and counterpoint. Course proceeds via frequent practical exercises (model composition, ear training, analytical exercises and keyboard harmony assignments). First semester concentrates on melodies, bass lines, and simple tonal counterpoint.

Note: Music 51a or its equivalent is required of all concentrators. Students planning to concentrate in Music are encouraged to take the course in their freshman year. Concentrators



should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Basic theory and ear training skills. Basic keyboard skills are useful.

***Music 51b. Theory 1 - (New Course)**

Catalog Number: 9585

Alexander Rehding

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Continuation of the skills practiced in Music 51a. The second semester focuses on four-part writing and more advanced harmony/counterpoint, using a wide range of musical styles.

Note: Music 51b or its equivalent is required of all concentrators. Students planning to concentrate in Music are encouraged to take the course in their freshman year. Concentrators should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Music 51a.

***Music 91r. Supervised Reading and Research**

Catalog Number: 1298

Christopher Hasty and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to students wishing to pursue supervised study in an area not covered by the courses currently offered. Students must submit a study proposal to the faculty member with whom they wish to study and a signed proposal to the Head Tutor. May be counted for concentration *only* with the prior approval of the Department.

***Music 92r. Senior Project**

Catalog Number: 2744

Christopher Hasty and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

For students doing a Senior Project, when a pertinent regularly listed course does not exist, or is not being offered during the student's senior year.

Note: Students should read carefully and well in advance the relevant material in *Handbook for Students*, under the section of "Fields of Concentration: Music." Students should note, in particular #3 in the section marked 'Basic requirements': "a brief written prospectus . . . must be approved and signed by the instructor, and submitted to the Head Tutor no later than the second week of the term." The prospectus must clarify, when appropriate, why no regularly listed course being offered during the student's senior year is pertinent to the proposed work.

***Music 93r. Supervised Reading and Research**

Catalog Number: 8849

James D. Yannatos

Half course (fall term; repeated spring term). Hours to be arranged.

Open to students wishing to pursue supervised study in chamber music. Students must submit a study proposal to Professor Yannatos and a signed proposal to the Head Tutor.

Note: May not be taken Pass/Fail. May not be counted for concentration.

***Music 97r. Music History and Repertory**

Catalog Number: 0113



Sean Gallagher (fall term) and Sindhumathi Revuluri (spring term)

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

An intensive survey of Western music throughout its history and of selected non-Western musical traditions, providing methods of further study of music in historical and cultural contexts as well as basic knowledge of repertory.

Note: Music 97r is required of all concentrators, preferably taken in the sophomore year, or earlier by permission. Each half of the course culminates in an examination testing students' knowledge of a large listening repertory. These examinations must be passed in order to receive credit for the course.

Prerequisite: Music 51 (may be taken concurrently).

***Music 98r. Tutorial — Junior Year**

Catalog Number: 5601

Christopher Hasty and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to junior candidates for honors in Music who have written permission to enroll from the instructor with whom they wish to work, and also from the Head Tutor in Music. With permission, may be taken for a second term.

***Music 99r. Tutorial — Senior Year**

Catalog Number: 1765

Christopher Hasty and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to senior candidates for honors in Music who have written permission to enroll from the instructor with whom they wish to work, and also from the Head Tutor in Music. May be counted toward concentration credit only by honors candidates.

For Undergraduates and Graduates

Music 121a. Choral Conducting

Catalog Number: 1550

Jameson N. Marvin

Half course (spring term). M., W., 12:30–2. EXAM GROUP: 5, 6

Students will conduct the class/choir to gain experience in building and refining their conducting technique. Through repertoire from the 16th - 20th century, students will develop clear, precise and expressive conducting gestures.

Note: May not be counted for concentration credit.

Prerequisite: Choral or ensemble experience; ear training, keyboard, and theory background helpful.

[Music 121b. Advanced Choral Conducting]

Catalog Number: 1675

Jameson N. Marvin

Half course (spring term). Hours to be arranged.

Score Analysis and Interpretation: learning to understand the symbolic notation of musical gesture. Development of the mental-aural image of the score: preparing the conductor's ear for



rehearsal. Rehearsing: how to hear, how to listen, how to fix. Further development of conducting technique: clarity, precision, and informed expressivity revealing musical gesture.

Note: Expected to be given in 2009–10.

Prerequisite: Music 121a, Music 51, or conducting and musicianship background.

***Music 125a. Beginning Orchestration and Conducting**

Catalog Number: 8397

James D. Yannatos

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Studies in basic conducting skills related to exercises in 17th- and 18th-century orchestration.

Demonstration of stringed instruments.

Note: May not be counted for concentration credit.

Prerequisite: Music 51 or permission of instructor.

[*Music 125b. Advanced Orchestration and Conducting]

Catalog Number: 8304

James D. Yannatos

Half course (spring term). Th., 2–4.

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 2009–10.

Prerequisite: Music 154 or permission of instructor.

Music 126b. Advanced Conducting

Catalog Number: 4868

James D. Yannatos

Half course (spring term). Tu., 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

Suzannah Clark (fall term) and Robert T. Hasegawa (spring term)

Full course. Fall: Tu., Th., 10–11:30. EXAM GROUP: Fall: 12, 13

Continues the work of Music 51 with emphasis on Classical style (Mozart, Haydn, Beethoven). Concepts are developed through composition, keyboard and analytical exercises. Topics include harmony, phrase structure, form, sonata procedures. Spring term explores chromatic harmony in 18th- and 19th-century music.

Note: Required of all concentrators. May not be counted for credit toward an advanced degree.

Prerequisite: Music 51 or equivalent.

Music 155. Modal Counterpoint

Catalog Number: 7710

Mary Lee Greitzer



Half course (spring term). Tu., Th., 3–4:30. EXAM GROUP: 17, 18

Study of representative styles and genres of 16th-century polyphony. Detailed analytic work will be combined with compositional exercises.

Prerequisite: Music 154 or permission of instructor.

Music 156. Tonal Counterpoint

Catalog Number: 3930

Richard Beaudoin

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Written work in the Bach style.

Prerequisite: Music 154 or equivalent.

[Music 157x. Tonal Analysis]

Catalog Number: 6830

Half course (spring term). Hours to be arranged.

Detailed examination of representative tonal compositions.

Note: Expected to be given in 2009–10. For undergraduates who have completed Music 154 or equivalent.

Prerequisite: Music 154 or permission of instructor.

Music 157y. Analysis of 20th-Century Music

Catalog Number: 4397

Christopher Hasty

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Intensive survey of compositional styles and techniques of the last 100 years. Traditional pitch-centered analysis, including set theory, as well as approaches focusing on rhythm, timbre, gesture, and other elements.

Note: Open to graduate students.

Prerequisite: Music 154 or permission of instructor.

Music 158r. Interpreting Musical Performance

Catalog Number: 9813

Christopher Hasty

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Analyzing Performance. Analysis of selected pieces aimed at discovering and evaluating possibilities for execution and perception. Repertory includes fully notated music and music that has no tradition of notation. Questions addressed are those of perception, notation, and adequacy of conventional analytic categories.

Note: Open to graduate students.

Prerequisite: Music 154 or permission of instructor.

***Music 160r. Composition: Proseminar**

Catalog Number: 8026

Peter Andrew Gilbert

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9



Open to students prepared for individual work in composition. Focus on the string quartet, including contemporary repertoire survey, short exercises, and a final project of modest dimensions. Incorporates readings and final performance of students' work.

Prerequisite: Music 154 or permission of instructor.

***Music 161r. Advanced Composition**

Catalog Number: 6714

Michael Gandolfi

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Advanced course in musical composition. Consists of a mixture of one-on-one and group meetings.

Prerequisite: Music 154 or equivalent.

***Music 167r. Electronic Music Composition**

Catalog Number: 3806 Enrollment: Limited to 10.

Hans Tutschku

Half course (fall term; repeated spring term). Tu., 2–4. EXAM GROUP: Fall: 16, 17

Composition/performance involving analog and digital electronic medium. Projects realized using recording gear and computers; study of relevant aspects of acoustic and electronic theory; compositions since 1948 of musique concrete, acousmatic and live-electronic music; synthesis, sampling, digital recording, and live performance techniques.

Prerequisite: One course in theory/composition or permission of instructor.

Music 178r. Musicianship

Catalog Number: 2339

Jody Diamond

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Contemporary Gamelan Performance and Composition. Students study and perform music for gamelan, a percussion orchestra originating in Java and Bali. On the group of gamelan instruments named Si Betty, students will play works by composers from Indonesia, the U.S. and elsewhere. Coursework includes a final group performance and projects in composition practice.

Note: No previous experience required. Musicians and composers are welcome.

***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 pm, and an additional meeting to be arranged. EXAM GROUP: Spring: 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 (Music 182r). 17th- and 18th-Century Performance Practice**

Catalog Number: 1460

Robert D. Levin



Half course (spring 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.

Prerequisite: Music 154 or permission of instructor.

[Music 183r (formerly Music 183). 19th-Century and 20th-Century Performance Practice]

Catalog Number: 0117

Robert D. Levin

Half course (spring term). Hours to be arranged.

Evolution of performance style from the Classical era to the present day. The decline in the creative role of the performer and rapid technological developments are explored. Examination of contemporary treatises and performance styles. A dialogue between scholarship and performance is encouraged.

Note: Expected to be given in 2009–10.

Prerequisite: Music 154 or permission of instructor.

[Music 190r. Topics in World Music: Proseminar]

Catalog Number: 1312

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10. For music concentrators or permission of instructor.

[Music 191r. Topics in Medieval and Renaissance Music: Proseminar]

Catalog Number: 2524

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10. For music concentrators or permission of instructor.

Music 192r. Topics in Music from 1600–1800: Proseminar

Catalog Number: 6726

Christoph Wolff

Half course (spring term). M., 2–4.

Monteverdi's Vespers, Bach's B-Minor Mass, and Mozart's Zauberflöte. Case studies of exemplary works and critical stages in the history of musical composition.

Note: For music concentrators or permission of instructor.

[Music 192rs. Topics in Music from 1600 - 1800]

Catalog Number: 8357

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Music 193r. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 3741

Dana Gooley

Half course (fall term). M., 4–6. EXAM GROUP: 9



Liszt and the Romantic Movement.

Note: For music concentrators or by permission of instructor.

Music 193rs. Topics in Music from 1800 - Present

Catalog Number: 5935

Sean Gallagher

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

The Chamber Music of Brahms. Focuses on analysis of representative chamber works (including songs). Other topics include Brahms's engagement with earlier music, social contexts of chamber music, performance conventions, and twentieth-century reception of his chamber music.

Note: For music concentrators or by permission of instructor.

[Music 193rt. Topics in Music from 1800 to the Present]

Catalog Number: 3230

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. For music concentrators or by permission of concentrators.

[Music 193ru (formerly Music 192r). Topics in Music from 1800-Present]

Catalog Number: 2944

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10. For music concentrators or permission of instructor.

Music 194r. Special Topics: Proseminar

Catalog Number: 2846

Ellie M. Hisama

Half course (fall term). F., 1–3.

New Currents in Asian American Music Studies. Examines diverse ways Asian Americans have understood and shaped their musical practices. Considers Asian American musics in relation to diaspora, race/ethnicity, gender/sexuality, polyculturalism, and activism.

Note: For music concentrators or by permission of instructor. May be taken by students from other departments with permission of instructor.

[Music 194rs. Special Topics: Proseminar]

Catalog Number: 8586

Half course (fall term). Tu., Th., 1–2:30.

Note: Expected to be given in 2009–10.

[Music 194rt. Special Topics: Proseminar]

Catalog Number: 8523



Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

[Music 194ru. Special Topics: Proseminar]

Catalog Number: 7341

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Cross-listed Courses

[**African and African American Studies 182. R & B, Soul, and Funk - \(New Course\)**](#)

[**African and African American Studies 231. Topics in African American Literature and Arts: African American Music - \(New Course\)**](#)

[***Dramatic Arts 124. Dance in Musical Theatre - \(New Course\)**](#)

[**Dramatic Arts 127. Rite of Spring at the Nexus of Art and Ritual - \(New Course\)**](#)

[Foreign Cultures 79. Historical and Musical Paths on the Silk Road]

[Literature and Arts B-51. First Nights: Five Performance Premieres]

[Literature and Arts B-62. The Politics of Music]

[Literature and Arts B-63. Bach in His Time and Through the Centuries]

[Literature and Arts B-68. Opera]

[**Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World**](#)

[**Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue**](#)

[Literature and Arts B-85. American Musicals and American Culture]

[***Mind, Brain, and Behavior 91 \(formerly *Mind, Brain, and Behavior 98\). Music and the Brain**](#)

Primarily for Graduates

[**Music Bhf. Exercises in Tonal Writing and Analysis**](#)

Catalog Number: 3045

Nicholas P. Vines

Half course (throughout the year). F., 9:30–11.

Includes theory (level of Music 154) as well as keyboard and ear training.

Note: Required of all graduate students. This requirement must be met before admission to the General Examination.

[**Music 201a. Current Methods in Historical Musicology**](#)

Catalog Number: 4975

Sindhumathi Revuluri

Half course (fall term). W., 10–12.

Introduction to musicological scholarship drawing upon theoretical frameworks, and working methods of historical musicology. Includes aspects of the history of the discipline of musicology, as well as newer methodologies. Students will read relevant theoretical texts from other disciplines and consider the possibilities of interdisciplinary projects within musicology.



Note: Graduate students only. May be taken independently by students from other departments with permission of instructor.

Music 201b. Current Methods in Ethnomusicology

Catalog Number: 3995

Kay Kaufman Shelemay

Half course (spring term). W., 3–5.

Focuses on the introduction to scholarly study of music with emphasis on the history and methodologies of ethnomusicology. Theories of music in culture, field methods, analytical and notational strategies, and critical tools for scholarship.

Note: May be taken by students from other departments with permission of instructor.

Music 206r. Research Methods in Ethnomusicology: Musical Ethnography

Catalog Number: 6891

Kay Kaufman Shelemay

Half course (fall term). Tu., 1–3.

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. Open to undergraduates with permission of instructor.

[Music 207r. Ethnomusicology: Seminar]

Catalog Number: 2149

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

[Music 207rs. Ethnomusicology: Seminar]

Catalog Number: 8999

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

[Music 208r. Ethnomusicology: Seminar]

Catalog Number: 2232

Kay Kaufman Shelemay

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

Music 209r. Ethnomusicology: Seminar

Catalog Number: 4022

Ingrid Monson

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Music and Cultural Theory. Since the 1980's, the fields of musicology and ethnomusicology have seen an influx of new thinking that draws on interdisciplinary trends in the humanities and



the social sciences with emphasis on anthropology and poststructural criticism.

Note: Open to undergraduates with permission of instructor.

[Music 212r. Chant: Seminar]

Catalog Number: 4984

Thomas Forrest Kelly

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

Music 213r. Topics in Medieval Polyphony - (New Course)

Catalog Number: 8384

Margaret Bent

Half course (spring term). Tu., W., 10–12. EXAM GROUP: 3, 4, 12, 13

The manuscript Bologna Q.15: codicology, repertory, contexts. This is the most important international anthology of early 15th-century polyphony. Newcomers to manuscript or late-medieval studies will retrace my steps and learn how to set about such work. Many challenges have been resolved but there is still much to do. The publication can serve as a basis for further work of many kinds, according to participant's experience.

Music 214r. Renaissance Music: Seminar

Catalog Number: 7825

Sean Gallagher

Half course (fall term). Th., 3–5.

The Music of Ockeghem and Busnoys. Comparative analysis of works of two leading fifteenth-century composers, with emphasis on their different aesthetic and compositional priorities. Other topics will include connections between notation and composition; intertextuality and the chanson.

Note: Open to undergraduates with permission of instructor.

[Music 215r. Baroque: Seminar]

Catalog Number: 6817

Half course (spring term). Tu., 1–3.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

Music 216ar. 18th-Century Music: Seminar

Catalog Number: 6868

Christoph Wolff

Half course (fall term). M., 2–4.

Editing C.P.E. Bach: The Complete Works. Conceptual aspects, philological problems, and musical issues in the context of the critical editions of J.S. Bach, Handel, Haydn, Mozart and Beethoven.

Music 216br. 18th Century Music: Seminar - (New Course)

Catalog Number: 0601

Christoph Wolff



Half course (spring term). M., 10–12.

Editorial workshop. Preparing a critical edition of C. P. E. Bach's trio sonatas.

Music 217r. 19th-Century Music: Seminar

Catalog Number: 9814

Lewis Lockwood

Half course (fall term). Tu., 3–5.

Late Beethoven.

Note: Music Department graduate students only.

Music 218r. 20th-Century Music: Seminar

Catalog Number: 0774

Judith Tick (Northeastern University)

Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13

From Biography to History: Case Studies in Early American Modernism -- Ives, Copland, Crawford Seeger

Note: Open to undergraduates with permission of instructor.

Music 218rs. 20th-Century Music: Seminar

Catalog Number: 0301 Enrollment: Limited to 15.

Ellie M. Hisama

Half course (spring term). F., 1–3.

History/Theory/Criticism of Hip-Hop. Explores hip-hop music and culture through historical, analytical, and critical perspectives. Examines hip-hop's relationships to race, gender/sexuality, class and politics in performance, recordings and film/video.

Note: Graduate students only, with priority given to Music Department graduate students.

Music 218rt. 20th-Century Music: Seminar - (New Course)

Catalog Number: 3970 Enrollment: Open to undergraduates with permission of instructor.

Anne C. Shreffler

Half course (fall term). Th., 10–12.

Elliott Carter and the 20th Century.

Music 219r. 19th- and 20th-Century Music

Catalog Number: 2275

Sindhumathi Revuluri

Half course (spring term). Tu., 1–3.

Music and Empire. Considers the complex and dynamic relationship between music and various manifestations of empire (including, but not limited to, imperial conquest, colonial - and post-colonial - formations, and global monopoly capitalism) from the 17th century to the present through engagement with critical theory and a variety of musical works.

Note: Open to undergraduates with permission of instructor.

Music 219rs. 19th- and 20th-Century Music

Catalog Number: 1518

Alexander Rehding



Half course (spring term). W., 1–3.

Memory, Monumentality and Canonicity. Examines music's role in cultural memory, how work and composer's biography can merge into musical monuments; musical ephemera; instances of canon formation in 19th and 20th century music.

Note: Open to undergraduates with permission of instructor.

Music 220ar. History of Music Theory: Seminar

Catalog Number: 2119

Alexander Rehding

Half course (fall term). W., 1–3.

Sensus and Ratio. Examines foundations of music theory, grounded in external nature (ratio) or in our hearing (sensus); explores how theorists between Pythagoras and Heilmholtz account for the discrepancies between the two approaches.

[Music 220br. History of Music Theory: Seminar]

Catalog Number: 1580 Enrollment: Limited to 20.

Half course (spring term). Tu., 4–6.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

[Music 221r. Current Issues in Music Theory]

Catalog Number: 5926

Alexander Rehding

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

[Music 222r. Schenkerian Analysis I]

Catalog Number: 4055

Suzannah Clark

Half course (fall term). M., 10–12.

Introduction to the theories and graphing techniques of Heinrich Schenker and his followers through the analysis of selected works.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

Music 230r (formerly Music 230ar). Topics in Music Theory I

Catalog Number: 5712

Christopher Hasty

Half course (fall term). Th., 1–3.

Pedagogy. A critical examination of ways music and musicianship is taught at the undergraduate level with the aim of developing new methods, concepts, and technologies. Composers, ethnomusicologists, historians, and theorists will be encouraged to work together and across disciplinary boundaries.

Note: Music department graduate students only.

Music 230rs. Topics in Music Theory II

Catalog Number: 6696



Christopher Hasty

Half course (spring term). Th., 10–12. EXAM GROUP: 12, 13
Repetition

[Music 235r. Cognitive Theories of Music]

Catalog Number: 9538

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

***Music 261r. Composition: Seminar**

Catalog Number: 3326

Martin Bresnick (spring term) and Michael Gandolfi (fall term)

Half course (fall term; repeated spring term). Hours to be arranged.

For first year graduate students prepared for work in original composition.

***Music 262r. Composition: Seminar**

Catalog Number: 4457

Martin Bresnick (spring term) and Michael Gandolfi (fall term)

Half course (fall term; repeated spring term). Hours to be arranged.

For 2nd year and advanced graduate students prepared for work in original composition.

Music 264ra. Electronic Music Composition: Seminar

Catalog Number: 1939

Hans Tutschku

Half course (fall term). M., 2–4.

Music and Space. Intensive work in computer music concentrating on traditional and recent electronic techniques.

Note: Music 264ra may be taken independently of Music 264rb.

Prerequisite: Previous knowledge of electronic music techniques, or permission of instructor.

Music 264rb. Electronic Music: Composition

Catalog Number: 3357

Hans Tutschku

Half course (spring term). M., 2–4.

Compositions of Live Electronics. Intensive work in signal processing in MSP.

Note: Music 264rb may be taken independently of Music 264ra.

Prerequisite: Previous knowledge of Max/MSP.

Music 265r. Orchestration

Catalog Number: 2379 Enrollment: Limited to 8.

Michael Gandolfi

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Focuses on composing for orchestral instruments in large ensembles and orchestras. It alternates classroom meetings and practical sessions with instrumentalists.

Note: Open to composition graduate students or with permission of instructor.



[Music 270r. Special Topics]

Catalog Number: 3727

Half course (fall term). Th., 10–12. EXAM GROUP: 12, 13

Note: Expected to be given in 2009–10.

[Music 271r. Fromm Seminar in Composition]

Catalog Number: 1311

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

[Music 272r. Special Topics]

Catalog Number: 2059 Enrollment: Limited to 8.

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Music 299r (formerly Music 299). Reading and Research for Masters - (New Course)

Catalog Number: 6548

Christoph Wolff, Thomas Forrest Kelly, Robert D. Levin, and Alexander Rehding

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work on specific topics leading to the completion of the masters thesis.

Graduate Courses of Reading and Research

***Music 300. Reading and Research for Advanced Students**

Catalog Number: 2504

Richard Beaudoin 6255, Suzannah Clark 5718, Sean Gallagher 4415, Christopher Hasty 4445, Thomas Forrest Kelly 1324 (on leave 2008-09), Robert D. Levin 3482, Ingrid Monson 1591, Carol J. Oja 4599 (on leave 2008-09), Alexander Rehding 4651, Sindhumathi Revuluri 5846, Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, Hans Tutschku 5147, Richard K. Wolf 1386 (on leave fall term), and Christoph Wolff 4532, Suzannah Clark

Individual work on specific topics not included in the announced course offerings.

***Music 301. Reading and Research**

Catalog Number: 6543

Carolyn Abbate 5304 (spring term only), Suzannah Clark 5718 (fall term only), Sean Gallagher 4415, Christopher Hasty 4445, Thomas Forrest Kelly 1324 (on leave 2008-09), Ingrid Monson 1591, Carol J. Oja 4599 (on leave 2008-09), Alexander Rehding 4651, Sindhumathi Revuluri 5846 (fall term only), Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, Hans Tutschku 5147, Richard K. Wolf 1386 (on leave fall term), and Christoph Wolff 4532

Individual work in preparation for the General Examination for the PhD degree.

Note: May not be counted toward course requirements for the PhD degree.



***Music 309. Doctoral Colloquium**

Catalog Number: 2260

Richard K. Wolf 1386 (on leave fall term)

Half course (spring term). Hours to be arranged.

***Music 310. Direction of Doctoral Dissertations**

Catalog Number: 1819

Sean Gallagher 4415, Christopher Hasty 4445, Thomas Forrest Kelly 1324 (on leave 2008-09),

Robert D. Levin 3482, Ingrid Monson 1591, Carol J. Oja 4599 (on leave 2008-09), Alexander

Rehding 4651, Sindhumathi Revuluri 5846 (fall term only), Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, and Christoph Wolff 4532

Note: May not be counted toward course requirements for the PhD degree.

Near Eastern Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Near Eastern Languages and Civilizations

John Huehnergard, Professor of Semitic Philology (*Chair*)

Irit Aharony, Senior Preceptor in Modern Hebrew

M. Shahab Ahmed, Assistant Professor of the Study of Religion

Khaled Al-Masri, Preceptor in Arabic

James A. Armstrong, Lecturer on the Ancient Near East

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Mostafa Atamnia, Preceptor in Modern Arabic on the Ali Abdul Rahman Alturki Endowment,
Contin Ed/Spec Prog Instructor

Taroob Boulos, Associate of the Department of Near Eastern Languages and Civilizations,
Preceptor in Arabic

Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy (*on leave
spring term*)

Khaled El-Rouayheb, Assistant Professor of Islamic Intellectual History (*on leave 2008-09*)

Carl Sharif El-Tobgui, Preceptor in Arabic

John L. Ellison, Lecturer on Near Eastern Languages and Civilizations

Sayed Abdallah Ali Elsis, Preceptor in Modern Arabic

Isaiah M. Gafni, Gerard Weinstock Visiting Professor of Jewish Studies (*Hebrew University*)
(*spring term only*)

William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (FAS), John
Lord O'Brian Professor of Divinity, Dean of the Faculty of Divinity (*Divinity School*)

William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment



(Director of Undergraduate Studies)

Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations (*on leave spring term*)

Anna Grinfeld, Preceptor in Modern Hebrew

Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy, Associate of Currier House

Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*)

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies

Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic

Baber Johansen, Professor of Islamic Studies (*Divinity School*)

Susan M. Kahn, Lecturer on Near Eastern Languages and Civilizations

Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)

Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages (*on leave 2008-09*)

Avi Matalon, Assistant Professor of Near Eastern Languages and Civilizations

Emily O'Dell, Fellow in the Humanities Center, Visiting Lecturer on Near Eastern Languages and Civilizations

James R. Russell, Mashtots Professor of Armenian Studies (*on leave spring term*)

Richard J. Saley, Lecturer on Near Eastern Languages and Civilizations

Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization

F. Engin Sezer, Senior Preceptor

P. Oktor Skjaervo, Aga Khan Professor of Iranian (*on leave fall term*)

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Piotr Steinkeller, Professor of Assyriology (*on leave spring term*)

Benjamin John Studevent-hickman, Lecturer on Assyriology

Yuri Vedenyapin, Preceptor in Yiddish

Yuhan Vevaina, Lecturer on Near Eastern Languages and Civilizations

Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative Literature (*Director of Graduate Studies*)

Dalia Yasharpour, Preceptor in Persian

Other Faculty Offering Instruction in the Department of Near Eastern Languages and Civilizations

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology

Roy Mottahedeh, Gurney Professor of History

Jonathan Schofer, Assistant Professor of Comparative Ethics (*Divinity School*)

Andrew Teeter, Assistant Professor of Hebrew Bible/Old Testament (*Divinity School*)

Knowledge of a Near Eastern language is not required in courses designated as Near Eastern Civilizations, Ancient Near East, Jewish Studies, Early Iranian Civilizations, Islamic Civilizations, and Armenian Studies, unless otherwise stated.

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language



courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

Near Eastern Civilizations

Primarily for Undergraduates

Near Eastern Civilizations 90. Junior Seminars. These half courses are limited in enrollment with preference given to Near Eastern Languages and Civilizations concentrators in their junior years. Undergraduate non-concentrators may enroll in junior seminars on a space available basis.

***Near Eastern Civilizations 91r. Supervised Reading and Research**

Catalog Number: 1132

William E. Granara 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

P. Oktor Skjaervo and members of the Department

Half course (spring term). M., 4–5:45.

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.

Cross-listed courses

[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures] - (New Course)

Religion 2841. Orthodoxy: Religion, Truth, and Authority: Seminar

Social Analysis 74. Visible Language: Writing Systems, Scripts, and Literacy

For Undergraduates and Graduates

Primarily for Graduates



Near Eastern Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar

Catalog Number: 5918

Susan M. Kahn

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Interdisciplinary seminar serves as an introduction to the major disciplines constituting Middle Eastern Studies, including history, political science, anthropology, literature and Islamic Studies. Faculty affiliated with Center for Middle Eastern Studies serve as guest lecturers.

Note: Required for students pursuing the AM in Middle Eastern Studies. Primarily for first-term students in the AM in Middle Eastern Studies program, although open to Graduate students in related fields.

Near Eastern Civilizations 200b. Middle Eastern Studies Research Project: Seminar

Catalog Number: 9274

Susan M. Kahn

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course introduces students to a range of research methods and scholarly sources in preparation for writing a proposal for the masters thesis in Middle Eastern Studies (students from other areas are welcome). Students are expected to formulate a research question, identify methods appropriate to their inquiry, compile a literature review, and write a thesis proposal. Successful completion of the course depends on the student's ability to secure the commitment of a thesis advisor by the end of the semester.

Note: Required for students who have elected to write a masters thesis in Middle Eastern Studies; open to graduate students in related fields.

Graduate Courses of Reading and Research

***Near Eastern Civilizations 300. Direction of Master's Thesis**

Catalog Number: 2448

J. F. Coakley 3409, William E. Granara 1054, Susan M. Kahn 4833, Jon D. Levenson (Divinity School) 2264, Roy Mottahedeh 1454, and John S. Schoeberlein 1016

***Near Eastern Civilizations 390. Direction of Doctoral Dissertations**

Catalog Number: 3041

Ali S. Asani 7739, Shaye J.D. Cohen 4180 (on leave spring term), William A. Graham, Jr. (Divinity School) 4156, William E. Granara 1054, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, Jay M. Harris 2266, Wolfhart P. Heinrichs 4988, John Huehnergard 7697, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave 2008-09), James R. Russell 3411 (on leave spring term), Bernard Septimus 7160, P. Oktor Skjaervo 2869 (on leave fall term), Lawrence E. Stager 1468, Piotr Steinkeller 7337 (on leave spring term), Wheeler M. Thackston, Jr. 4004 (fall term only), and Ruth R. Wisse 3177

Ancient Near Eastern and Biblical Studies

See also below under Akkadian and Sumerian, Aramaic, Hebrew, and Semitic Philology.



Primarily for Undergraduates

[Ancient Near East 90. History, Kingship, and the Gods in the Ancient Near East]

Catalog Number: 2490

Peter Machinist

Half course (spring term). M., W., at 12; F., at 1. EXAM GROUP: 5

An introduction to the major civilizations of the ancient Near East, focusing on the periods prior to the coming of Alexander the Great to the region, and on such topics as the rise and fall of states and empires, the ways in which the ancients understood and wrote history, and religious beliefs and practices both as these define a common ancient Near Eastern world and differentiate the particular cultures within it.

Note: Expected to be given in 2009–10.

For Undergraduates and Graduates

[Ancient Near East 100. History of the Ancient Near East: Mesopotamia]

Catalog Number: 0702

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Surveys the political and cultural history of Mesopotamia from c. 4000 BCE.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1115.

[Ancient Near East 101. Introduction to Mesopotamian Archaeology]

Catalog Number: 1245

James A. Armstrong

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Surveys the archaeology of ancient Mesopotamia (geographically defined as the territory of modern Iraq plus immediately adjacent areas) from the Neolithic Period until the conquest of Alexander the Great. While theoretical issues and approaches will not be neglected, the emphasis in this class is on the archaeological data that are used in reconstructions of Mesopotamia's history and its ancient social systems.

Note: Expected to be given in 2009–10.

[Ancient Near East 102. Introduction to Mesopotamian Religion]

Catalog Number: 0486

Piotr Steinkeller

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A survey of the sources, data, and principal concerns. A selection of texts are read in translation.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3661.

[Ancient Near East 105. History of the Ancient Near East: The Levant \(up to Alexander the Great\)](#)

Catalog Number: 0711

Lawrence E. Stager

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14



The civilization and cultural traditions of the peoples of Syria-Palestine from the third millennium to the time of Alexander the Great.

[Ancient Near East 107. History and Historiography in the Ancient Near East]

Catalog Number: 0665

Peter Machinist

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Conceptions of history and the practice of historical writing in the ancient Near East. Discussions based on a comparative study of texts from a variety of cultural traditions, such as the Hittites, Mesopotamia, ancient Israel/ Hebrew Bible, and Second Temple Judaism, together with classical Greece.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1427.

[Ancient Near East 109r. History and Archaeology of the Ancient Near East]

Catalog Number: 1822

Lawrence E. Stager and Peter Machinist

Half course (spring term). Hours to be arranged.

Topic for 2009-10: To be announced.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1822.

Ancient Near East 110. Imag(in)ing Ancient Egypt in the Past, Present, and Future: Ancient Egypt in the Popular Literary, Cinematic, and Theatrical Imagination: Seminar - (New Course)

Catalog Number: 9763 Enrollment: Limited to 15.

Emily O'Dell

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Investigates how both the "East" and the "West" imag(in)e the pharaonic cultural and artistic heritage of ancient Egypt in theater, literature, and cinema through conscious and subconscious attempts to exotify and modernize ancient Egyptian history, religion, mythology, and art. We will consider how archaeology, Egyptology, religion and cultural memory have exploited the cultural heritage of ancient Egypt, why Egyptomania continues to thrive, and what role the pharaonic past might play in the real and imagined future.

[Ancient Near East 111. Law in the World of the Bible]

Catalog Number: 6397

Peter Machinist

Half course (spring term). Hours to be arranged.

An examination of what law was and how it operated in ancient Israel through its primary expression in the Hebrew Bible. Attention to the wider contexts of law in the ancient Near East, especially Mesopotamia, in which Biblical law originated, and to the legacy of Biblical law in the subsequent traditions of early Judaism.

Note: Expected to be given in 2009–10.

Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)

Catalog Number: 2813

Lawrence E. Stager and Ofer Bar-Yosef



Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

A chronological survey of the archaeology of the Levant in which material culture provides a window on human evolution, society, economy, and religion from the Lower Palaeolithic to Hellenistic times. Special topics include the earliest colonization of *Homo erectus*, the origin of modern humans, the emergence of farming and pastoral societies, the formation and dissolution of Bronze Age city-states, and the rise and fall of Iron Age kingdoms such as Israel, Moab, and Edom.

Note: Includes a lab section.

[Ancient Near East 117. Biblical Archaeology]

Catalog Number: 1371

Lawrence E. Stager

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Archaeology and texts, such as the Bible, used to reconstruct aspects of social, economic, and religious life (from courtier to commoner) in ancient Israel during the Iron Age.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1422. Includes a lab section.

[Ancient Near East 118. Syro-Palestinian Pottery]

Catalog Number: 1368

Lawrence E. Stager

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

A basic introduction to the pottery sequence of Palestine and Syria from Neolithic through Roman times, with emphasis on typological attributes having chronological significance. Conducted in the Harvard Semitic Museum laboratory.

Note: Expected to be given in 2009–10. Includes a lab section.

Ancient Near East 120. Introduction to the Hebrew Scriptures

Catalog Number: 6544

Michael D. Coogan

Half course (fall term). F., 9–11, and a weekly section to be arranged. EXAM GROUP: 2, 3

A survey of the Hebrew Scriptures as viewed in their historical and cultural setting in the ancient Near East and as interpreted by modern scholarship, with attention to this literature as an expression of the religious thought of Israel and one of the formative influences on Western civilization.

Note: Offered jointly with the Divinity School as 1101.

[Ancient Near East 122. Biblical Interpretation: Seminar]

Catalog Number: 4289 Enrollment: Limited to 15.

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The biblical Book of Isaiah will be studied with attention to its historical setting, its major theological themes, its literary qualities, and its place within the religion of ancient Israel. The class will also consider the ways in which this prophetic writing continues to influence contemporary religious and political thought and action.



Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1814.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 126. History of the Religion of Israel]

Catalog Number: 1672

Peter Machinist

Half course (spring term). Hours to be arranged.

The study of ancient Israelite religion and culture in comparative historical context. Topics examined include conceptions of divinity, prophecy, law, kingship, and cult. Through such topics the aim is to see how Israel related to other cultures of the ancient Near East and, thus, of what value the study of the other cultures has in understanding the character of Israelite religion itself.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1110.

[Ancient Near East 127. Prophecy in Ancient Israel]

Catalog Number: 6739

Peter Machinist

Half course (spring term). Hours to be arranged.

A study of the phenomenon and history of Israelite prophecy, as recorded in the Hebrew Bible, in the light of prophecy elsewhere in the ancient Near East and in other cultures. Pertinent sociological, literary, and religious issues explored.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1125.

[Ancient Near East 128. Jewish Apocalypticism]

Catalog Number: 8249

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

A study of Jewish apocalyptic movements from their roots in late biblical prophesy to their flowering in Hellenistic and Roman times. Attention will be paid to the biblical and extra-biblical traditions incorporated in these texts and woven into messages addressing crises such as persecution and forced assimilation. The manner in which books like Daniel and Revelation are used by contemporary apocalyptic movements will be assessed.

Note: Expected to be given in 2009–10. All texts read in English translation. Offered jointly with the Divinity School as 1460.

Prerequisite: Ancient Near East 120 or the equivalent.

[Ancient Near East 131. Readings in the Septuagint]

Catalog Number: 3661

Richard J. Saley

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

This course aims to increase facility with Septuagint Greek by reading representative prose portions of the Septuagint and studying the peculiarities of the grammar inductively. The fundamentals of Koine Greek will be reviewed as necessary.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 4215.

Prerequisite: One year of Greek.



[Ancient Near East 132. Ancient Jewish Wisdom Literature]

Catalog Number: 9522

Jon D. Levenson (Divinity School)

Half course (spring term). Hours to be arranged.

A close critical reading and interpretation of works thought to derive from the Wisdom tradition of ancient Israel, through the Second Temple period. The workings of the world and the ways of God as they appear in works such as Proverbs, Job, Qohelet, Ben Sira, some Psalms, the Wisdom of Solomon, Fourth Maccabees, and Pseudo-Phocylides as well as narratives such as the Joseph story, Esther, and Daniel. Egyptian and Mesopotamian antecedents and parallels briefly considered. Emphasis on matters of worldview and literary form.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1416.

Prerequisite: Ancient Near East 120 or an equivalent introduction to the historical-critical study of the Hebrew Bible.

[Ancient Near East 134. Genesis: Narrative Artistry and Theological Meanings]

Catalog Number: 3291

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

A close critical reading in English of the book of Genesis with an eye both to the storytellers' techniques and to the moral and theological dimensions of the text. Emphasis will be given to literary and religious rather than historical and editorial issues.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1417.

Prerequisite: Ancient Near East 120 or an equivalent introduction to the historical-critical study of the Hebrew Bible.

[Ancient Near East 135. Biblical Theology: Hebrew Bible]

Catalog Number: 4476

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

The theology of the Hebrew Bible studied by explicating major biblical themes (e.g., creation, liberation, war and peace, economic justice, social reform) and then relating them to issues in the contemporary world. Attention also given to background questions such as concepts of biblical authority and hermeneutical theory.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1150/2470.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 137. The Hebrew Prophets]

Catalog Number: 3183

Paul D. Hanson (Divinity School)

Half course (fall term). Tu., Th., 9–10:30. EXAM GROUP: 11, 12

A survey of the prophetic books of the Hebrew Bible (Old Testament) with consideration of historical setting, location within the traditions of the Hebrew Scripture, and theological themes of each book. The relevance of the prophets for contemporary theology, ethics, economics, and politics will also be discussed, with due attention to the hermeneutical problems posed in relating an ancient scriptural classic to the modern world.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1151.



Ancient Near East 138. The Bible and Politics

Catalog Number: 8073

Paul D. Hanson (Divinity School)

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

The course will examine political models found in the Hebrew Bible; the role of biblical traditions in the development of church-state relations in the history of the US; and the possibility of a suitable political theology within the context of contemporary religion and politics.

Note: Offered jointly with the Divinity School as 1465/2529.

Prerequisite: Ancient Near East 120 or the equivalent.

Primarily for Graduates

Ancient Near East 210. Textual Criticism of the Hebrew Bible: Seminar

Catalog Number: 5492

Richard J. Saley

Half course (fall term). Tu., 3–6. EXAM GROUP: 17, 18

This course focuses on the art of recovering the text of the Hebrew Bible using Hebrew and Greek manuscripts as well as other early textual witnesses.

Note: Offered jointly with the Divinity School as 1819.

Prerequisite: At least two years of Hebrew and one year of Greek; some knowledge of Aramaic, Latin, and Syriac is beneficial but not required.

***Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar**

Catalog Number: 2960

Lawrence E. Stager

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

Topic for 2006-07: To be announced.

Note: Conducted in the Harvard Semitic Museum Laboratory.

[Ancient Near East 222. History of the Study of the Hebrew Bible: From the Renaissance to the Present: Seminar]

Catalog Number: 8086

Peter Machinist

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Surveys Hebrew biblical scholarship since the Renaissance, focusing on particular scholars and their representative and seminal works. The central theme is the emergence of and reactions to a historical-critical understanding of the Bible.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1425.

Prerequisite: A background in the study of the Hebrew Bible. Also, Biblical Hebrew and at least one of the following: French, German, and Modern Hebrew.

Ancient Near East 225. The Greek Bible in History and Theology: Seminar - (New Course)

Catalog Number: 2475

Andrew Teeter (Divinity School)



Half course (fall term). F., at 9. EXAM GROUP: 2

An exploration of social, historical, interpretive, and theological issues associated with the so-called Septuagint and its complex relationship to early Judaism and Christianity. Emphases include origins, eschatology, messianism, halakhah, NT backgrounds, and biblical theology.

Note: Offered jointly with the Divinity School as 1301.

Prerequisite: Basic reading knowledge of Greek and Hebrew.

Ancient Near East 230. Biblical Theology: Seminar - (New Course)

Catalog Number: 6751

Paul D. Hanson (Divinity School)

Half course (fall term). Tu., 11–1. EXAM GROUP: 13, 14

Two political models found in the Old Testament/Hebrew Bible, the monarchical and the prophetic, will be studied within their ancient setting and then related to selected contemporary social and political issues and crises.

Note: Offered jointly with the Divinity School as 1817/2476.

Prerequisite: Introductory level knowledge of the Bible and/or political science.

[Ancient Near East 236. Biblical Theology: Seminar]

Catalog Number: 7022 Enrollment: Limited to 12.

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An examination of resources within the Bible for the construction of contemporary political theology.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1801/2471.

Prerequisite: Introductory level knowledge of the Bible and/or political science.

Cross-listed Courses

Culture and Belief 13. The Contested Bible: The Sacred-Secular Dance - (New Course)

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-53. “Athens and Jerusalem”: Self and Other in Classical Greek and Hebrew Literature]

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

[Literature and Arts C-70. From the Hebrew Bible to Judaism, From the Old Testament to Christianity]

Graduate Courses of Reading and Research

***Ancient Near East 310. Reading and Research in Ancient Near Eastern Archaeology**

Catalog Number: 4264

Lawrence E. Stager 1468

***Ancient Near East 320. Reading and Research in Ancient Mesopotamian Civilization**

Catalog Number: 5678



John Huehnergard 7697, Peter Machinist 2812 (on leave 2008-09), and Piotr Steinkeller 7337 (on leave spring term)

***Ancient Near East 330. Reading and Research in Biblical Studies**

Catalog Number: 1524

Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave 2008-09), and Lawrence E. Stager 1468

Postbiblical Jewish Studies

See also below under Aramaic, Hebrew, and Yiddish.

Primarily for Undergraduates

Jewish Studies 55. Jews, Judaism, and Jewishness

Catalog Number: 2338

Rachel L. Greenblatt

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

An overview of the development of the major trends in Jewish civilization from biblical times through the early modern era, focusing on the literary, legal, and institutional expressions of Jewish ideas and practices. Attention will be devoted to close readings of traditional Jewish sources on the one hand and contextual understandings of Jews and Judaism within various non-Jewish historical and cultural surroundings on the other.

Note: Required of all secondary concentrators in Jewish Studies, unless excused by the DUS.

Cross-listed Courses

For Undergraduates and Graduates

Jewish Studies 104. Introduction to Yiddish Culture

Catalog Number: 8611

Yuri Vedenyapin

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Exploration of a thousand years of Jewish culture, from the earliest settlements in Germany and Poland to the present. Examination of its geographical, intellectual, and artistic breadth through the history of the Yiddish language, selections of Yiddish literature, the press, film, theater, and klezmer music. Analysis of Jewish mysticism and superstitions; food and dress; rituals and beliefs; gender, family, and sexuality. Particular attention given to the relevance of Yiddish culture today and its influence on the arts and politics in the U.S., Israel, Eastern Europe, and around the world.

Note: All course readings and lectures will be in English. No knowledge of Yiddish is required. May be taken Pass/Fail.

[Jewish Studies 111. Modern Jewish Thought]

Catalog Number: 5461



Jay M. Harris

Half course (spring term). M., 2–4.

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 2009–10. Offered jointly with the Divinity School as 3682.

[Jewish Studies 112. The Poet as Translator]

Catalog Number: 3400

Avi Matalon

Half course (spring term). Hours to be arranged.

Examines the phenomenon of accomplished poets who are also translators. Poetry demands original and direct access to language, while translation is thought of in terms of fidelity to an existing text. How do poets negotiate these seemingly contradictory expectations? Draws from various literary traditions, with special emphasis on Jewish literature.

Note: Expected to be given in 2009–10.

Jewish Studies 135. Jewish-Arab Encounters: the Classical Age

Catalog Number: 3448

Bernard Septimus

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

An examination of Jewish-Arab cultural exchange against its socio-political backdrop, from the pre-Islamic period through the thirteenth century. Topics include: perceptions of the other; social relations; polemics; conversions; interchange in the realms of religion, law, literature, philosophy and mysticism; the end of the classical age. These topics will be explored through primary sources in translation.

Jewish Studies 140. Deconstruction and Questions of Jewish Identity: Seminar

Catalog Number: 2198

Avi Matalon

Half course (fall term). Tu., 6–8 p.m. EXAM GROUP: 18

Examines the work of philosopher Jacques Derrida (1930–2004) and the method of deconstruction. Focuses on Derrida's writings that touch on questions of identity, as developed in his prolific career.

[Jewish Studies 141. Jewish Society and Culture in Early Modern Europe]

Catalog Number: 8620

Rachel L. Greenblatt

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The advent of print, the Protestant challenge to the Roman Catholic church, increasing use of the written vernacular, a blossoming of interest in different and exotic peoples—these and additional developments transformed Europe in the period from about 1500 to 1750. This course uses written and graphic primary sources to examine the place of these developments in Jewish society and culture, in the context of the history and historiography of Christian Europe.

Note: Expected to be given in 2009–10.



[Jewish Studies 144. History and Memory: Modes of Jewish Discourse]

Catalog Number: 7216

Rachel L. Greenblatt

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Focus on close readings of selected pre-Enlightenment Jewish historical writings, with consideration of relevant theoretical and methodological frameworks. Readings will be available in the original Hebrew and Yiddish and in English translations.

Note: Expected to be given in 2009–10.

Jewish Studies 145. Agnon's Art of the Jewish Novel - (New Course)

Catalog Number: 0937

Avi Matalon

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Nobel laureate S.Y. Agnon reinvented the Hebrew novel and introduced a unique modernism that combines European and Jewish literary traditions. This course will analyze five novels by S.Y. Agnon and examine the creation of a new Jewish art of historical representation. Readings and discussion in English, supplemental Hebrew language section can be arranged.

Jewish Studies 146 (formerly Jewish Studies 215). Does Glikl Stand Alone? Medieval and Early Modern Jewish Autobiographical Writing

Catalog Number: 9047

Rachel L. Greenblatt

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Weekly readings of Jewish writings about the self as they appear in a variety of literary genres, alongside recent scholarly literature on "Ego-documents" and Jewish autobiography.

Note: Readings will be in English. Optional extra meetings focusing on the original Hebrew (and/or Yiddish) texts may be arranged in case of interest.

Jewish Studies 147. Introduction to Pentateuch - (New Course)

Catalog Number: 0588

Andrew Teeter (Divinity School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An exegetical study of the first five books of the Jewish and Christian Scriptures, with emphasis on the literary design, the theological message(s), and the interpretive reception of these foundational texts within Judaism and Christianity. Intermediate level course; texts studied in English translation.

Note: Offered jointly with the Divinity School as 1303.

Prerequisite: HDS 1101 or an equivalent critical introduction to the Hebrew Bible.

Jewish Studies 154. Land, Center, and Diaspora in Ancient Judaism - (New Course)

Catalog Number: 3430

Isaiah M. Gafni (Hebrew University)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

The theme of this course is the relationship of the Jewish diaspora to the Judean homeland in antiquity (Hellenistic, Roman and early Byzantine periods). Topics include: "the Land" as a marker of Jewish identity; the reality of the diaspora as an ideological problem; center-diaspora



tensions and cohesion; the diaspora as a factor in the development of Jewish religion and society.

No prior knowledge of the subject is assumed.

Note: Offered jointly with the Divinity School as 3650.

Jewish Studies 160. History and Historiography in Rabbinic Literature - (New Course)

Catalog Number: 2385

Isaiah M. Gafni (Hebrew University)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This course will compare and contrast the representations of the past and the present in ancient rabbinic literature. The rabbinic modes of presenting 'the facts' of the past, provide a measure of control by which to understand rabbinic presentations of contemporary events. The course will illustrate how to apply critical tools to the reading of rabbinic texts.

Note: Offered jointly with the Divinity School as 1652. Recommended but not required: familiarity with ancient rabbinic texts.

Cross-listed Courses

***Government 1966. The Arab-Israeli Conflict Today: A Contemporary Policy Perspective**
Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel

[*History 72b (formerly *History 1426). On Display: Commemoration, Collection and Public Spaces (c. 1600-2000)]

[History 1020 (formerly History 1091). Jewish History in the Second and Post-Temple Period]

History 1080 (formerly History 1150). The Jews in Muslim and Christian Spain

[History 1127 (formerly History 1427). Women's Voices in Medieval and Early Modern Europe]

[Literature 153 (formerly Comparative Literature 153). Saul Bellow and the New York Intellectuals]

Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture

[Literature and Arts A-48. Modern Jewish Literature]

Religion 1212a. Judaism: The Liturgical Year

Religion 1212b. Judaism: The Liturgical Year

[Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period]

Primarily for Graduates

[*Jewish Studies 200r. Guided Readings in Jewish History]

Catalog Number: 4478

Shaye J.D. Cohen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Topic for 2008-09: Boundaries and Identities. Readings of Jewish texts, ancient to modern, that deal with the question of the Other and the Self: what is the boundary between Jews and non-Jews, and between Judaism and non-Judaism?



Note: Expected to be given in 2009–10. Required of all entering graduate students in Jewish Studies; open to others with the permission of the instructor.

[Jewish Studies 206. The Law at Qumran and the Law of the Mishnah]

Catalog Number: 2808

Shaye J.D. Cohen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A study of the emergence of Jewish law in antiquity. Theme for 2008: The Law at Qumran (the Dead Sea Scrolls); the relationship of Qumran law with the law of the Mishnah.

Note: Expected to be given in 2009–10. Open to undergraduates with the permission of the instructor. Offered jointly with the Divinity School as 3935.

Prerequisite: Ability to read Qumran texts in the original.

Jewish Studies 207. Rewriting Scripture in Jewish Antiquity: Seminar - (New Course)

Catalog Number: 9572 Enrollment: Limited to 15.

Andrew Teeter (Divinity School)

Half course (spring term). F., 11–1.

A study of the exegetical literature of so-called rewritten Bible texts from the Second Temple period, considered in relation to the received Hebrew Bible and its later interpretive traditions. Examination of exegetical techniques, aims, and presuppositions, with attention to higher level compositional strategies, underlying conceptions of scripture/scriptural authority, and the dynamics of canon formation. Primary sources will include, among others: the book of Jubilees, the Temple Scroll, Reworked Pentateuch, the Genesis Apocryphon, as well as selected prophetic and hymnic exemplars.

Note: Offered jointly with the Divinity School as 1302.

Prerequisite: Ability to read (unpointed) Hebrew.

Graduate Courses of Reading and Research

***Jewish Studies 300. Reading and Research in Postbiblical Jewish Studies**

Catalog Number: 1544

Shaye J.D. Cohen 4180 (on leave spring term), Jay M. Harris 2266, Bernard Septimus 7160, and Ruth R. Wisse 3177

Early Iranian Civilizations

For Undergraduates and Graduates

See also below under Arabic, Aramaic, and Iranian.

[Early Iranian Civilizations 102. Old Iranian Religion/Zoroastrianism]

Catalog Number: 5408

P. Oktor Skjaervo

Half course (spring term). Hours to be arranged.

Introduction to and readings in Mazdaism/Zoroastrianism (on the basis of translated texts).

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3663a.



[Early Iranian Civilizations 103. Manicheism]

Catalog Number: 2604

P. Oktor Skjaervo

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Iranian Manicheism (on the basis of translated texts).

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3580.

Early Iranian Civilizations 104. Beyond Good and Evil: A Thematic Introduction to Zoroastrianism

Catalog Number: 9681

Yuhan Vevaina

Half course (fall term). Hours to be arranged.

This course serves as a general introduction to Zoroastrianism through some of its defining themes, including an examination of the figure of the prophet Zarathustra, the question of dualism, and modes of transmitting sacred knowledge. We will also discuss how Zoroastrianism views the individual with respect to the body, the life-cycle, and issues of gender and sexuality.

Islamic Civilizations

See also below under Arabic, Iranian, and Turkish.

Primarily for Undergraduates

Cross-listed Courses

[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures] - (New Course)

***Freshman Seminar 37y. Muslim Voices in Contemporary World Literatures**

For Undergraduates and Graduates

[Islamic Civilizations 123. Colonialism and After in the Maghrib]

Catalog Number: 2664

Susan G. Miller

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

A survey of North African history in the nineteenth and twentieth centuries, focusing on the political, social and cultural transformations brought about through the encounter with the West. Colonialism and its impact, the struggle over language and cultural identity, the role of minority politics, the Algerian revolution and civil war, the role of public intellectuals and the new Maghribi historiography are some of the topics covered.

Note: Expected to be omitted in 2007–08. Expected to be given in 2009–10.

[Islamic Civilizations 145. Introduction to Islamic Philosophy and Theology]

Catalog Number: 0292

Khaled El-Rouayheb



Half course (fall term). Th., 3–5, and a weekly section to be arranged. EXAM GROUP: 17, 18
 An introductory survey of the development of Islamic theology and philosophy. We will examine and discuss some of the central problems that were much debated through the centuries, such as: the relationship between philosophy and faith; whether humans possess free will; how to understand apparently anthropomorphic expressions in Scripture; whether acts are good because God commands them or God commands them because they are good; and proofs for the existence of God.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3602.

Cross-listed Courses

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

[Religion 1851. The Female Body and Islam: Religious Doctrines in Changing Societies]

Primarily for Graduates

Islamic Civilizations 205a. The Satanic Verses Problem in History I - (New Course)

Catalog Number: 0273

M. Shahab Ahmed

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

Wide-ranging introduction to the Islamic intellectual tradition through primary source readings from the debate over the Satanic verses incident conducted in the discourses of *sirah-maghazi*, *tafsir*, Hadith, *‘ilm al-kalam*, *usul al-fiqh*, Sufism, inter-sectarian polemic, inter-religious polemic, etc, from the 7th century to today.

Note: Not open to auditors. Jointly offered with the Divinity School as 3596.

Prerequisite: Advanced Reading Proficiency in Arabic

Islamic Civilizations 205b. The Satanic Verses Problem in History II - (New Course)

Catalog Number: 9511

M. Shahab Ahmed

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8, 9

Wide-ranging introduction to the Islamic intellectual tradition through primary source readings from the debate over the Satanic verses incident conducted in the discourses of *sirah-maghazi*, *tafsir*, Hadith, *‘ilm al-kalam*, *usul al-fiqh*, Sufism, inter-sectarian polemic, inter-religious polemic, etc, from the 7th century to today.

Note: Not open to auditors. Jointly offered with the Divinity School as 3597.

Prerequisite: Advanced Reading Proficiency in Arabic and Islamic Civilizations 205a

***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). Tu., 8–10. EXAM GROUP: 10, 11

A seminar for graduate students focusing on current scholarship on Islamic civilization in South Asia.



Note: Open to undergraduates with a background in Islamic or South Asian studies.

Prerequisite: Introductory coursework on Islam, Religion 1820 or equivalent.

Cross-listed Courses

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[*History 78b (formerly *History 1877b). History of the Near East, 1055-1517]

History 1877 (formerly History 1877a). History of the Near East, 600-1055

[History 1878b. Ottoman State and Society II (1550-1920)]

[History 2884. Topics in Ottoman Social and Cultural History: Seminar]

History 2886. Topics in Islamic History: Seminar

[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court]

[Religion 1802 (formerly Religion 1555). Introduction to Islamic Mysticism: The Sufi Tradition]

Religion 1806. The Vocabulary of Islam

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

Graduate Courses of Reading and Research

***Islamic Civilizations 300. Reading and Research in Islamic Civilizations**

Catalog Number: 1963

M. Shahab Ahmed 5273, Ali S. Asani 7739, William A. Graham, Jr. (Divinity School) 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, and Wheeler M. Thackston, Jr. 4004 (fall term only)

***Islamic Civilizations 350. Reading and Research in Ottoman History and Literature**

Catalog Number: 4084

Armenian Studies

See also below under Armenian.

For Undergraduates and Graduates

[Armenian Studies 100. Armenian Epic]

Catalog Number: 2576

James R. Russell

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Reading in translation of The Wild Men of Sasun, with analysis of native historical and



mythological sources, and thematic comparison to epic poetry of the neighboring Iranians (Ossetic *Narts*, Persian *Shah-nameh*, Kurdish epic songs), Turks (*Dede Korkut*), and Greeks (*Digenes Akrites*).

Note: Expected to be given in 2009–10.

[Armenian Studies 105. Survey of 19th and 20th Century Armenian Poetry: From Romantics to Revolutionaries]

Catalog Number: 3496

James R. Russell

Half course (spring term). Hours to be arranged.

A survey of the great innovators and visionaries: Bedros Tourian, Misak Medzarents, Yeghia Demirjibashian, Daniel Varouzhan, Siamanto, Vahan Teryan, Yeghishe Charents, and their English, Russian, and French colleagues and translators. The course spans the fateful epoch from the mid-19th century to the aftermath of the Russian Revolution.

Note: Expected to be given in 2009–10. Knowledge of Armenian preferred but not required.

Primarily for Graduates

Graduate Courses of Reading and Research

***Armenian Studies 300. Reading and Research in Armenian Studies**

Catalog Number: 1740

James R. Russell 3411 (on leave spring term)

Akkadian and Sumerian

See also above under Ancient Near Eastern and Biblical Studies.

Akkadian

For Undergraduates and Graduates

[Akkadian A. Elementary Akkadian](#)

Catalog Number: 4891

Benjamin John Studevent-hickman

Full course (indivisible). M., W., F., at 11. EXAM GROUP: 4

Introduction to the fundamentals of Akkadian grammar and the most commonly encountered Neo-Assyrian cuneiform signs.

[Akkadian 120. Intermediate Akkadian](#)

Catalog Number: 3724

Benjamin John Studevent-hickman

Full course (indivisible). Fall: Tu., Th., at 11; Spring: Tu., Th., at 1. EXAM GROUP: Fall: 13; Spring: 15

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.



[Akkadian 143. Akkadian Literary Texts]

Catalog Number: 4815

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Readings and analysis of a variety of literary texts.

Note: Expected to be given in 2009–10.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 144. Akkadian Divination Texts]

Catalog Number: 6734

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Expected to be given in 2009–10.

[Akkadian 148. Old Babylonian Letters]

Catalog Number: 0975

John Huehnergard

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Note: Expected to be given in 2010–11.

Prerequisite: Akkadian A.

Akkadian 149. Akkadian Legal and Economic Texts

Catalog Number: 6703

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 152. Texts and History of Imperial Assyria]

Catalog Number: 3226

Peter Machinist

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Readings and analysis of a variety of texts from the Neo-Assyrian period illustrating issues in Assyrian imperial history, culture, and language.

Note: Expected to be given in 2009–10.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of a cuneiform script.

Akkadian 153. Old Akkadian

Catalog Number: 8334

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Readings in representative historical, epistolary, literary, and economic texts with emphasis on the grammar.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Akkadian 154a. Peripheral Akkadian

Catalog Number: 2416



Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Prerequisite: Two full courses in Akkadian.

Akkadian 155r. Akkadian Historical Grammar and Dialectology

Catalog Number: 0232

John Huehnergard

Half course (spring term). Hours to be arranged.

Prerequisite: Two full courses in Akkadian.

[Akkadian 156. Neo-Babylonian Inscriptions]

Catalog Number: 4024

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Readings and analysis of a variety of texts from the Neo-Babylonian period.

Note: Expected to be given in 2009–10.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Primarily for Graduates

[Akkadian 200r. Readings in Akkadian: Seminar]

Catalog Number: 2970

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Sumerian

For Undergraduates and Graduates

Sumerian A. Elementary Sumerian

Catalog Number: 5260

Piotr Steinkeller

Full course (indivisible). Spring: Tu., Th., at 11. EXAM GROUP: Spring: 13

Introduction to the Sumerian language with emphasis on grammatical structure.

[Sumerian 141. Sumerian Myths and Epics]

Catalog Number: 9858

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

[Sumerian 146. Sumerian Religious Literature]

Catalog Number: 2605

Piotr Steinkeller



Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

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 2009–10.

Cross-listed Courses

[Linguistics 225a. Introduction to Hittite]

Graduate Courses of Reading and Research

***Sumerian 300. Sumerian Language and Literature**

Catalog Number: 7912

Piotr Steinkeller 7337 (on leave spring term)

Arabic

See also Islamic Civilizations.

For Undergraduates and Graduates

Arabic A. Elementary Arabic

Catalog Number: 5773

Mostafa Atamnia and staff

Full course (indivisible). M., through F., at 9, 10, 11, or 12. EXAM GROUP: 2, 11

Introduces students to the phonology and script of classical/modern standard Arabic and covers the basic morphology and syntax of the written language. Emphasis on the development of the four skills (reading, speaking, listening, and writing). Samples of modern (contemporary) and classical styles of writing introduced into basic syllabus, and audio-visual material from the contemporary Arabic media.

Note: Not open to auditors. Cannot be taken pass/fail. Cannot divide for credit. Offered jointly with the Divinity School as 4345.

Arabic Ba (formerly Arabic 120a and 121a). Intermediate Arabic I

Catalog Number: 1106

Carl Sharif El-Tobgui and staff

Half course (fall term). M. through F., at 10, 11, or 12. EXAM GROUP: 3, 12

A thorough review and continuation of literary (classic and modern) Arabic grammar with emphasis on reading, writing, speaking and listening comprehension. Course materials draw



from both classical and modern Arabic literature and culture.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4351.

Prerequisite: Arabic A or equivalent.

Arabic Bb (formerly Arabic 120b and 121b). Intermediate Arabic II

Catalog Number: 0973

William E. Granara and staff

Half course (spring term). M., through F., at 10, 11, or 12. EXAM GROUP: 3, 12

A continuation of Arabic Ba.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4361.

Prerequisite: Arabic A or equivalent.

Arabic 130a. Upper-Level Classical Arabic I

Catalog Number: 4591

William E. Granara

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduces students to styles and genres of pre-modern Arabic literary heritage, including a systematic review of classical grammar. Readings include historiographical, geographical and biographical texts, as well as readings from "Adab" (Belles-Lettres) literature and classical Arabic poetry.

Note: Not open to auditors. Offered jointly with the Divinity School as 4353.

Prerequisite: Arabic Ba or equivalent, or may be taken separately with permission of the instructor.

Arabic 130b. Upper-Level Classical Arabic II

Catalog Number: 2964

Carl Sharif El-Tobgui

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A continuation of Arabic 130a with emphasis on classical Islamic texts, Qur'an, *hadîth*, *sîra*, and *tafsîr* literature; review of advanced classical Arabic morphology and syntax.

Note: Not open to auditors. Offered jointly with the Divinity School as 4354.

Prerequisite: Arabic 130a or equivalent, or may be taken separately with permission of the instructor.

Arabic 131a. Upper-Level Modern Arabic I

Catalog Number: 0739

Sayed Abdallah Ali Elsis

Half course (fall term). M., Tu., W., Th., at 11, and 12. EXAM GROUP: 4, 13

Reading and discussion of selections from Arabic newspapers and journals on contemporary political, social, religious, and cultural issues in the Arab world. Emphasis on developing advanced reading and speaking skills, with some attention to writing and listening comprehension.

Note: Not open to auditors. Offered jointly with the Divinity School as 4363.

Prerequisite: Arabic Ba or equivalent.



Arabic 131b. Upper-Level Modern Arabic II

Catalog Number: 0697

Sayed Abdallah Ali Elsi

Half course (spring term). M., Tu., W., Th., at 11, and 12. EXAM GROUP: 4, 13

A continuation of Arabic 131a or may be taken separately with permission of the instructor.

Continued emphasis on advanced reading and speaking skills, and introduction to contemporary Arabic fiction, with emphasis on short stories and essays.

Note: Not open to auditors. Offered jointly with the Divinity School as 4364.

Prerequisite: Arabic 131a or equivalent.

Arabic 133. Upper-Level Spoken Modern Standard Arabic

Catalog Number: 4747

Sayed Abdallah Ali Elsi

Half course (fall term). M., W., 3–5. EXAM GROUP: 8, 9

This course emphasizes the development of advanced speaking and listening skills by exposing students to the contemporary media and academia. Some reading and writing will be required, but classes will revolve around oral presentations and directed conversations.

Note: Not open to auditors.

Prerequisite: Two years of Standard Arabic or the equivalent.

Arabic 134. Colloquial Levantine Arabic

Catalog Number: 4154

Khaled Al-Masri

Half course (spring term). M., W., 3–5. EXAM GROUP: 8, 9

Introduces students to Colloquial Levantine Arabic of Lebanon, Syria, Jordan, and Israel/Palestine. The course emphasizes the development of speaking and listening skills through the reinforcement of grammar and vocabulary.

Note: Not open to auditors. Students who have completed Arabic 135 may not take this course for credit.

Prerequisite: Two years of Standard Arabic or the equivalent.

[Arabic 135. Colloquial Egyptian Arabic]

Catalog Number: 4454

Sayed Abdallah Ali Elsi

Half course (spring term). M., W., 3–5. EXAM GROUP: 8, 9

Introduces students to Egyptian Arabic, the most widely recognized dialect in the Arab world. The course emphasizes the development of speaking and listening skills through the reinforcement of grammar and vocabulary.

Note: Expected to be given in 2009–10. Not open to auditors. Students who have completed Arabic 134 may not take this course for credit.

Prerequisite: Two years of Standard Arabic or the equivalent.

[Arabic 146r. History of the Arabic Languages]

Catalog Number: 8526

Wolfhart P. Heinrichs

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8



A presentation of the linguistic and cultural history of the various forms of Arabic, including Old North Arabian, Early Classical Arabic (pre-Islamic poetry and Koran), medieval Islamic Arabic, Middle Arabic (with Judeo-Arabic) and the dialects.

Note: Expected to be given in 2009–10.

Prerequisite: Two years of Arabic or equivalent.

Arabic 150r. History of Classical Arabic Literature: Seminar

Catalog Number: 7759

Wolfhart P. Heinrichs

Half course (spring term). W., 2–4.

Overview of Classical Arabic literature, including reading and discussion of selected texts.

Note: Knowledge of Arabic advantageous but not required. An additional hour may be set aside for reading in the originals.

[Arabic 158. Modern Arabic Literature Seminar: Topic TBA]

Catalog Number: 5145

William E. Granara

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Note: Expected to be given in 2009–10. Arabic helpful but not required. Open to both undergraduates and graduates.

Arabic 160r. Readings in Arabic Historians, Geographers, and Biographers

Catalog Number: 5617

Roy Mottahedeh

Half course (fall term). Hours to be arranged.

Arabic 162. Introduction to the Modern Arab World - (New Course)

Catalog Number: 5643

William E. Granara and staff

Half course (fall term). M., W., at 10, an additional hour to be arranged. EXAM GROUP: 3

A survey of significant events and issues in the modern Arab world from the later years of the Ottoman Empire to the eve of WWI. Topics include the Arab renaissance, the challenges of modernity, reformist movements, colonialism, and the emergence of the modern nation states.

Note: No knowledge of Arabic required, but bilingual sectioning will be provided for students who may select to read primary sources either in Arabic or English.

Arabic 163. Arabs, Islam and Democracy: Seminar - (New Course)

Catalog Number: 6783

Saad Eddin Ibrahim

Half course (spring term). W., 4–6.

This course studies a broad range of social and cultural issues that challenge the various countries of the contemporary Arab world. Emphasis is placed on secular and religious debates, ranging from democracy to political Islam.

Note: Knowledge of Arabic not required; open to all interested undergraduates and graduates.



Arabic 170. The Modern Arab World Since WWI - (New Course)

Catalog Number: 9471

William E. Granara and staff

Half course (spring term). M., W., at 10, and an additional hour to be arranged. EXAM

GROUP: 3

The course examines the major intellectual, political and sociocultural trends in the Arab world, from the anti-colonial struggle to self-determination. Topics include Arab nationalism, political reform, cultural production, economic development, and the emergence of the Arabian Gulf.

Note: Bi-lingual sectioning will be provided for students who may select to read primary sources either in Arabic or English.

Arabic 171. State and Society in the Middle East - (New Course)

Catalog Number: 7193

Saad Eddin Ibrahim

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course compares and contrasts political systems and social structures that inform modern Middle Eastern societies, from the various Arab countries, to Israel, Iran and Turkey.

Note: Open to all interested undergraduates and graduates.

Primarily for Graduates

[Arabic 231a. Qur'an I: Seminar]

Catalog Number: 8707 Enrollment: Limited to 18.

M. Shahab Ahmed

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8

An introduction to the text of the Quran and the historical development of Quranic exegesis, through a reading of tafsir and 'ulum al-quran works.

Note: Expected to be given in 2009–10. Not open to auditors. Offered jointly with the Divinity School as 3976.

Prerequisite: Advanced proficiency in Arabic.

[Arabic 231b. Qur'an II: Seminar]

Catalog Number: 0619 Enrollment: Limited to 18.

M. Shahab Ahmed

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8

Continuation of Arabic 231a.

Note: Expected to be given in 2009–10. Not open to auditors. Offered jointly with the Divinity School as 3977.

Prerequisite: Arabic 231a and advanced proficiency in Arabic.

Arabic 240r. Classical Arabic Philology

Catalog Number: 5920

Wolfhart P. Heinrichs

Full course (indivisible). Tu., 2–4. EXAM GROUP: 16, 17

Arabic philology, including discussion of difficult grammatical problems, introduction to manuscript and editorial work, and readings from the 'ulum al-lugha (fall) and 'ulum al-dîn



(spring).

Note: This constitutes the fourth and final year of the Classical Arabic track.

Arabic 241ar. Advanced Modern Arabic: Literature and Culture I

Catalog Number: 3309

Khaled Al-Masri

Half course (fall term). Tu., 2–4, and an additional hour to be arranged. EXAM GROUP: 16, 17

This constitutes the final year of Modern Arabic track. Representative readings from contemporary literature and culture will form bases of discussions on major themes in contemporary Arab society.

Note: Conducted in Arabic. Not open to auditors.

Prerequisite: Advanced proficiency in Arabic.

Arabic 241br. Advanced Modern Arabic: Literature and Culture II

Catalog Number: 6399

Khaled Al-Masri

Half course (spring term). Tu., 2–4, and an additional hour to be arranged. EXAM GROUP: 16, 17

A continuation of Arabic 241ar.

Note: Conducted in Arabic. Not open to auditors.

[Arabic 245r. Classical Arabic Literature: Seminar]

Catalog Number: 4854

Wolfhart P. Heinrichs

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Topic for 2008-09: TBA

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Arabic.

Arabic 246r. Andalus, Sicily, and the Maghrib in Literary and Cultural Texts: Seminar

Catalog Number: 6196

William E. Granara

Half course (spring term). Hours to be arranged.

Literary and historical texts of the Arabo-Islamic cultures of Spain (*al-Andalus*), Sicily, and North Africa. Examines the emergence of a "Maghribi" identity amidst cross-cultural relations with the Christian North and the Muslim East.

Prerequisite: Three years of Arabic, or permission from the instructor.

Arabic 248r. Medieval Arabic Writings on Literary Theory and Criticism: Seminar

Catalog Number: 1440

Wolfhart P. Heinrichs

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Introduction to the study of the medieval Arabic disciplines dealing with literature. Discussion of selected topics on the basis of text readings and recent secondary literature.

Prerequisite: Reading knowledge of Arabic.



[Arabic 249r. Arabic Philosophical Texts: Seminar]

Catalog Number: 3572

Khaled El-Rouayheb

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

An introduction to Arabic Logic.

Note: Expected to be given in 2009–10.

Prerequisite: Three years of Arabic or equivalent.

[Arabic 250r. Arabic Theological Texts: Seminar]

Catalog Number: 7849

Khaled El-Rouayheb

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Imitation and Verification in Ash'ari Theology.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3883.

Prerequisite: Three years of Arabic or equivalent.

Cross-listed Courses

[Comparative Literature 263. Journey, Exile, and Displacement in Modern Arabic Literature](#)

[Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture](#)

Graduate Courses of Reading and Research

***Arabic 300. Reading and Research in Arabic Language and Civilization**

Catalog Number: 7828

M. Shahab Ahmed 5273, Khaled El-Rouayheb 5536 (on leave 2008-09), William A. Graham, Jr. (Divinity School) 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, Baber Johansen (Divinity School) 5295, Roy Mottahedeh 1454, and Wheeler M. Thackston, Jr. 4004 (fall term only)

***Arabic 320. Reading and Research in Modern Arabic Literature and Literary Criticism**

Catalog Number: 9167

William E. Granara 1054

Aramaic

For Undergraduates and Graduates

See also Ancient Near East and Biblical Studies, Jewish Studies, and Early Iranian Civilizations.

[Aramaic C. Elementary Syriac]

Catalog Number: 3494

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

Basic Syriac grammar and syntax, with selected readings from the Syriac Bible and other early



texts.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 4109.

Aramaic 128. Introduction to Turoyo

Catalog Number: 3747

Wolfhart P. Heinrichs

Half course (spring term). Hours to be arranged.

Turoyo is the Neo-Aramaic (originally, and to some extent still) spoken in the Tur Abdin area of Mardin province, SE Turkey, as well as in the Western diaspora (predominantly in Sweden, Germany, the Netherlands, and the US).

Prerequisite: Some knowledge of Syriac or any other classical Aramaic language.

Graduate Courses of Reading and Research

***Aramaic 300. Aramaic Language and Literature**

Catalog Number: 5758

John Huehnergard 7697 and Shaye J.D. Cohen 4180

Armenian

See also Armenian Studies.

For Undergraduates and Graduates

[Armenian A. Elementary Classical Armenian]

Catalog Number: 5476

James R. Russell

Full course (indivisible). Hours to be arranged.

Introduction to classical Armenian grammar and reading of selected texts.

Note: Expected to be given in 2009–10.

Armenian B. Elementary Modern Eastern Armenian

Catalog Number: 7168

James R. Russell

Full course (indivisible). W., 3–5:30. EXAM GROUP: 8, 9

Introduction to the spoken and literary language of the Republic of Armenia.

[Armenian 120. Armenian Magical Texts]

Catalog Number: 7221

James R. Russell

Half course (fall term). Th., 3–6. EXAM GROUP: 17, 18

Armenian magical texts include codices, scrolls, and separately-printed saints' lives used for good or ill, containing magic squares and symbols, the latter mostly deriving from Islamic magic. The course will consider literary sources of magic texts (e.g., the prayer Havatov khostovanim, the meditations of Narek), parallel traditions (esp. Christian Ethiopia), and the



consideration of the paintings in Armenian magical manuscripts from the standpoint of the genre of Outsider Art.

Note: Expected to be given in 2009–10.

[Armenian 130. Advanced Classical Armenian]

Catalog Number: 4926

James R. Russell

Full course. W., 5:30–7:30 p.m. EXAM GROUP: 9

The text of St. Grigor Narekats'i *Matean olbergut'ean*, with other mystical texts from Armenian and Eastern Christian traditions.

Note: Expected to be given in 2009–10.

Prerequisite: Armenian A.

Primarily for Graduates

Graduate Courses of Reading and Research

***Armenian 300. Armenian Language and Literature**

Catalog Number: 0240

James R. Russell 3411 (on leave spring term)

Ethiopic

Graduate Courses of Reading and Research

***Ethiopic 300. Ethiopian Semitic Language and Literature**

Catalog Number: 5135

John Huehnergard 7697

Hebrew

See also Ancient Near Eastern and Biblical Studies and Jewish Studies.

For Undergraduates and Graduates

Hebrew 161. First Isaiah: Seminar on Isaiah 1-39

Catalog Number: 4761

Jay M. Harris

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This historical-critical seminar treats selected passages from First Isaiah against the background of Isaiah's theological traditions and the events of his time. Course involves translation, recitation, discussion, and lectures.

[Hebrew 163. Interpretation of Amos: Seminar]

Catalog Number: 5093



Jay M. Harris

Half course (fall term). Hours to be arranged.

This course examines the book of Amos as an expression of eighth century BCE Israelite prophetic theology, and the relevance of this theology for contemporary religious concerns.

Note: Expected to be given in 2009–10.

Hebrew 164. Hebrew City - (New Course)

Catalog Number: 0146

Avi Matalon

Half course (spring term). Hours to be arranged.

Examines the representation of cities and urban life in Jewish literature, with special emphasis on the Hebrew literature of Tel-Aviv. Readings and discussion in Hebrew.

[Hebrew 176. Aristotle's Ethics in Medieval Jewish Thought]

Catalog Number: 4571

Bernard Septimus

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Prerequisite: A reading knowledge of Hebrew

[Hebrew 177. Introduction to Critical Talmud Scholarship]

Catalog Number: 6485

Bernard Septimus

Half course (spring term). Hours to be arranged.

Designed to introduce students to the philological, historical and source-critical methods used in the contemporary academic study of Talmud and Midrash, through the study of selected passages.

Note: Expected to be given in 2009–10.

Prerequisite: Ability to prepare a Talmudic text.

Cross-listed courses

Religion 1405. Classics of Syriac Christian Literature - (New Course)

Primarily for Graduates

[Hebrew 230. Midrash: The Figure of Abraham: Seminar]

Catalog Number: 7364

Jon D. Levenson (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

A close reading in Hebrew of some rabbinic midrashim centering on the figure of Abraham. Emphasis on the acquisition of the textual skills necessary for studying midrash and on the role of Abraham in rabbinic theology. Ample comparison with other primary sources about Abraham from Second Temple Judaism and the New Testament, presented in English.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1803.

Prerequisite: Sound reading knowledge of Hebrew (any period).



Language Courses

For Undergraduates and Graduates

Classical Hebrew A. Elementary Classical Hebrew

Catalog Number: 8125

John L. Ellison

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

A thorough and rigorous introduction to biblical Hebrew, with emphasis on grammar in the first term, and translation of biblical prose in the second. Daily preparation and active class participation mandatory.

Note: Offered jointly with the Divinity School as 4010.

Classical Hebrew 120a. Intermediate Classical Hebrew I

Catalog Number: 5545

Jo Ann Hackett and assistant

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Readings in prose books; review of grammar.

Note: Offered jointly with the Divinity School as 4020.

Prerequisite: Classical Hebrew A or equivalent.

Classical Hebrew 120b. Intermediate Classical Hebrew II

Catalog Number: 8494

Jo Ann Hackett and assistant

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Readings in prose and poetic books; review of grammar.

Note: Offered jointly with the Divinity School as 4021.

Prerequisite: Classical Hebrew 120a or equivalent.

Classical Hebrew 130ar. Rapid Reading Classical Hebrew I

Catalog Number: 7895

Jo Ann Hackett

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Note: Offered jointly with the Divinity School as 1625/4030.

Prerequisite: Classical Hebrew A, 120a, and 120b, or equivalent.

Classical Hebrew 130br. Rapid Reading Classical Hebrew II

Catalog Number: 7896

Jo Ann Hackett

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

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.

Modern Hebrew B. Elementary Modern Hebrew

Catalog Number: 4810

Irit Aharony

Full course (indivisible). M., through F., at 9. EXAM GROUP: 2, 11

For students with no previous instruction in Hebrew and for those who have had some unsystematic exposure to the language. Emphasis on developing skills necessary for reading, speaking, and writing. Grammar and vocabulary are taught through Israeli contemporary music.

Note: Offered jointly with the Divinity School as 4015.

Modern Hebrew 120a. Intermediate Modern Hebrew I

Catalog Number: 1711

Irit Aharony

Half course (fall term). M., through F., at 10. EXAM GROUP: 3, 12

Continuation of Modern Hebrew B. Reading of various Modern Hebrew texts including texts from the media. Further developing of writing, listening and speaking. Vocabulary is taught through Israeli contemporary music.

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

Anna Grinfeld

Half course (spring term). M., through F., at 12.

Continuation of Modern Hebrew 120a.

Note: Conducted primarily in Hebrew. Offered jointly with the Divinity School as 4041.

Prerequisite: Modern Hebrew 120a.

Modern Hebrew 125a. Advanced Modern Hebrew I: "All About Boys and Girls"

Catalog Number: 4985

Anna Grinfeld

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Continuation of Intermediate Modern Hebrew 120a and 120b. The course goal is to further develop practical skills in the language. The course will concentrate on topics of childhood, adolescence, gender and relationships in contemporary Israeli culture.

Note: Conducted in Hebrew. Offered jointly with the Divinity School as 4042.

Prerequisite: Modern Hebrew 120a, 120b, or equivalent.

Modern Hebrew 125b. Advanced Modern Hebrew II: "Bible Now!"

Catalog Number: 3201

Anna Grinfeld

Half course (spring term). M., W., 1–2:30; Tu., at 7 p.m.; W., 5–7 p.m. EXAM GROUP: 6, 7

Continuation of Modern Hebrew 120a 120b and 125a. The course examines Biblical motifs and narratives in contemporary Israeli literature and discourse.



Note: Conducted in Hebrew. Offered jointly with the Divinity School as 4043.

Prerequisite: Modern Hebrew 120a, 120b, and 125a.

Modern Hebrew 130r. Seminar in Advanced Modern Hebrew: A Cultural History of Israel

Catalog Number: 8127

Irit Aharony

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A chronological survey of key moments in Israel history as viewed in culture through various media and texts.

Note: Discussion, papers, and texts presented in Hebrew.

Prerequisite: Modern Hebrew 125a, 125b or equivalent.

Modern Hebrew 134r. Seminar in Advanced Modern Hebrew: Israeli Humor and Satire

Catalog Number: 6949

Irit Aharony

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course proposes a look at humor and satire in Israel over the last 60 years in various media. It focuses on political satire and it examines the complex relationship of Israeli humor to Jewish Humor in general.

Note: Discussion, papers and texts presented in Hebrew.

Prerequisite: Modern Hebrew 125a, 125b, or equivalent.

Modern Hebrew 136ar (formerly Modern Hebrew 136r). Hebrew for Academic Reading

Catalog Number: 3383

Anna Grinfeld

Half course (fall term). Tu., Th., 1:30–3.

Hebrew for academic reading is designed for advanced undergraduate and graduate students with a strong background knowledge of Hebrew, seeking to master reading skills in a range of Hebrew texts in the fields of Jewish studies, Middle Eastern studies, government, literature, religion, and history. Some selections of the reading material will be decided by the individual needs and interests of the students.

Note: Conducted in Hebrew.

Modern Hebrew 136br (formerly Modern Hebrew 136r). Hebrew for Academic Reading - (New Course)

Catalog Number: 3114

Anna Grinfeld

Half course (spring term). Tu., 1:30–4:30. EXAM GROUP: 15, 16

Hebrew for academic reading is designed for advanced undergraduate and graduate students with a strong background knowledge of Hebrew, seeking to master reading skills in a range of Hebrew texts in the fields of Jewish studies, Middle Eastern studies, government, literature, religion, and history. Some selections of the reading material will be decided by the individual needs and interests of the students.

Note: Conducted in Hebrew.

Literature and History Courses



For Undergraduates and Graduates

[Hebrew 150a. Introduction to Rabbinic Literature]

Catalog Number: 7629

Bernard Septimus

Half course (spring term). 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 2009–10.

Prerequisite: Intermediate biblical or modern Hebrew, or permission of instructor.

Hebrew 160. The Origins and Development of the Classical Jewish Liturgy

Catalog Number: 9703

Bernard Septimus

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An examination of current scholarship and controversy on the origins of the classical liturgy and a consideration of the primary-source evidence. Related topics include: rabbinic liturgy and Second Temple sources, differences between the ancient Palestinian and Babylonian rites, the standard prayers and the origins of liturgical poetry (*piyyut*), the crystallization of the liturgy, and the emergence of local variations in the early Middle Ages.

Prerequisite: A good reading knowledge of Hebrew.

Hebrew 171. The Problem of Language in Medieval Jewish Thought

Catalog Number: 7205

Bernard Septimus

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The status and significance of language generally and Hebrew, in particular, viewed from a variety of perspectives in texts from several genres (exegetical, linguistic, literary, legal, philosophical and mystical) ranging chronologically from late antiquity through the Renaissance.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 191. From Jewish Literature to Israeli Literature: Seminar]

Catalog Number: 3376

Avi Matalon

Half course (spring term). Hours to be arranged.

Examines the development and transition of Hebrew literature from Europe to Israel beginning in the 1850s.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Modern Hebrew required.

Cross-listed Courses

Primarily for Graduates



[Hebrew 148 (formerly Hebrew 240). Rabbinic Stories and Rabbinic Thought: Seminar]

Catalog Number: 4201

Jonathan Schofer (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Examines classical rabbinic narratives, including sage stories, accounts of biblical figures, and parables. Key themes include ethics, theology, and community. Strong consideration will be given to exegetical dynamics and legal issues.

Note: Expected to be given in 2009–10. Readings are in Hebrew. Offered jointly with the Divinity School as 3795.

Prerequisite: Two years of Biblical Hebrew or three years of modern Hebrew or the permission of the instructor.

***Hebrew 200r. Problems in the Literature, History, and Religion of Israel: Seminar**

Catalog Number: 3265

Lawrence E. Stager and members of the Department

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2008-09: Israel before the Monarchy.

Note: Primarily for doctoral students in Hebrew Bible. Offered jointly with the Divinity School as 1810.

[Hebrew 208r. Literature of Israel: Seminar]

Catalog Number: 1356

Peter Machinist

Half course (fall term). Hours to be arranged.

Topic for 2006-07: The Book of Exodus.

Note: Expected to be given in 2009–10. Jointly offered with the Divinity School as 1825.

Prerequisite: Advanced reading knowledge of biblical Hebrew. Acquaintance with other relevant ancient and modern languages desirable.

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar]

Catalog Number: 5883

Jon D. Levenson (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An introduction to the use of medieval Jewish biblical commentaries as a resource for modern exegetes. Some comparison of the medieval hermeneutical presuppositions with those of the distinctively modern forms of biblical study.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1836.

Prerequisite: Three years of college-level Hebrew (any period).

[Hebrew 218. Joseph and Esther: Seminar]

Catalog Number: 0880

Jon D. Levenson (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

A close critical reading of Genesis 37-50 and the Book of Esther in Hebrew. Emphasis on literary design and religious messages and on the influence of the story of Joseph upon the Book of Esther.



Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1802.

Prerequisite: Three years of Hebrew or the equivalent.

Hebrew 235. The Binding of Isaac (Aqedah): Seminar

Catalog Number: 0170

Jon D. Levenson (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An examination of Genesis 22 and its afterlife in ancient Judaism, early Christianity, and the Qur'an. Ample consideration of the interpretation and expansion of the story in modern theology and of critical responses to it.

Note: Offered jointly with the Divinity School as 1808.

Prerequisite: Three years of Hebrew or the equivalent.

Hebrew 236. Song at the Sea: Seminar

Catalog Number: 6496

Jon D. Levenson (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A close reading of Exod 13:17-15:21 in two contexts, that of the Hebrew Bible (together with its ancient Near Eastern background) and that of rabbinic Judaism. Ample Hebrew readings in rabbinic midrash.

Note: Offered jointly with the Divinity School as 1816.

Prerequisite: An introductory course in the critical study of the Hebrew Bible and a solid command of Hebrew grammar (any period).

Graduate Courses of Reading and Research

***Hebrew 300. Classical Hebrew Language and Literature**

Catalog Number: 7831

Shaye J.D. Cohen 4180 (on leave spring term), Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394, John Huehnergard 7697, Peter Machinist 2812 (on leave 2008-09), and Lawrence E. Stager 1468

***Hebrew 350. Postbiblical Hebrew Language and Literature**

Catalog Number: 4408

Shaye J.D. Cohen 4180 (on leave spring term), Jay M. Harris 2266, and Bernard Septimus 7160

Iranian

See also above under Near Eastern Civilizations; Early Iranian Civilizations; Islamic Civilizations; and below under Persian.

For Undergraduates and Graduates

Iranian A. Old Persian

Catalog Number: 5457



P. Oktor Skjaervo

Full course (indivisible). Fall: W., 3–5. EXAM GROUP: Fall: 8, 9

Introduction to Old Persian.

Iranian Ca. Middle Persian I

Catalog Number: 0978

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Introduction to Middle Persian (Pahlavi or Manichean Middle Persian/Parthian).

Iranian Cbr. Middle Persian II

Catalog Number: 1696

P. Oktor Skjaervo

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Readings in Middle Persian (Pahlavi or Manichean Middle Persian/Parthian).

Iranian 100. Intermediate Middle Persian Language and Literature - (New Course)

Catalog Number: 1811

Yuhan Vevaina

Half course (fall term). Hours to be arranged.

Translations and critical readings of Pahlavi texts in their original. Primary readings will be supplemented with secondary scholarship on the theological, linguistic, and cultural issues these texts present.

Prerequisite: Iranian Ca and Cbr.

Cross-listed Courses

Linguistics 221r. Workshop in Indo-European

Primarily for Graduates

Iranian 208r. Eastern Middle Iranian II: Advanced Sogdian

Catalog Number: 4191

P. Oktor Skjaervo

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced readings in Sogdian literature: Christian and Buddhist Sogdian and miscellaneous texts.

Prerequisite: Iranian 145ab.

Graduate Courses of Reading and Research

****Iranian 300. Reading and Research in Iranian Languages and Literatures***

Catalog Number: 8155

P. Oktor Skjaervo 2869 (on leave fall term) and Wheeler M. Thackston, Jr. 4004 (fall term only)

Persian



See also above under Near Eastern Civilizations; Early Iranian Civilizations; Islamic Civilizations; Iranian.

For Undergraduates and Graduates

Persian A. Elementary Persian

Catalog Number: 8143

Dalia Yasharpour

Full course (indivisible). M., W., F., at 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

Dalia Yasharpour

Half course (fall term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Readings in modern prose literature. Introduction to classical metrics and prosody. Readings in classical prose and poetry.

Persian 120b. Intermediate Persian II

Catalog Number: 3712

Dalia Yasharpour

Half course (spring term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Continuation of Persian 120a.

Persian 140ar. Advanced Persian

Catalog Number: 0814

Dalia Yasharpour

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Readings from modern Persian prose and poetry and discussion of Iranian movies and documentaries inspired by them.

Prerequisite: Persian 120b or equivalent.

[Persian 140br. Selected Readings in Classical Persian Literature]

Catalog Number: 0258

Dalia Yasharpour

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

A continuation of Persian 140ar.

Note: Expected to be given in 2009–10.

Persian 150r. Readings in Persian Historians, Geographers and Biographers

Catalog Number: 6538



Roy Mottahedeh
Half course (spring term). Hours to be arranged.

Primarily for Graduates

Cross-listed Courses

Indian Studies 216r (formerly Indian Studies 216). Readings in Indo-Persian literature

Graduate Courses of Reading and Research

***Persian 300. Persian Language and Literature**

Catalog Number: 6962

P. Oktor Skjaervo 2869 (on leave fall term) (fall term only) and Roy Mottahedeh 1454

Semitic Philology

For Undergraduates and Graduates

[Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages]

Catalog Number: 8602

John Huehnergard

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Note: Expected to be given in 2009–10.

Prerequisite: Knowledge of two Semitic languages.

[Semitic Philology 151. Introduction to Northwest Semitic Epigraphy]

Catalog Number: 2858

Jo Ann Hackett

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Readings in Hebrew and Phoenician inscriptions with an introduction to methods and techniques of Northwest Semitic palaeography, and attention to problems of historical grammar.

Note: Expected to be given in 2009–10.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140.

Semitic Philology 152. Introduction to Ugaritic

Catalog Number: 2777

Jo Ann Hackett

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Introduction to Ugaritic grammar, with readings in mythological, epistolary, and administrative texts.

Prerequisite: Semitic Philology 140 or equivalent.

Primarily for Graduates



Semitic Philology 200r. Comparative Semitic Grammar: Seminar

Catalog Number: 0168

John Huehnergard

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Topic for 2008-09: The Ancient North and South Arabian languages

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). Tu., 1–3. EXAM GROUP: 15, 16

Topic for 2008-2009: Ugaritology: the study of Ugaritic texts from discovery to publications.

Prerequisite: Semitic Philology 151.

Graduate Courses of Reading and Research

***Semitic Philology 300. Semitic and Afroasiatic Languages and Literatures**

Catalog Number: 2762

Jo Ann Hackett 2389, Wolfhart P. Heinrichs 4988, and John Huehnergard 7697

Turkish

See also above under Near Eastern Civilizations; Islamic Civilizations.

For Undergraduates and Graduates

Turkish A. Elementary Modern Turkish

Catalog Number: 2527

F. Engin Sezer and assistant

Full course (indivisible). M., through F., at 9. EXAM GROUP: 2, 11

Emphasis on all aspects of Turkish grammar toward developing a solid foundation for speaking, listening, reading, writing, and vocabulary skills.

Note: Not open to auditors.

Turkish 120a. Intermediate Turkish I

Catalog Number: 4009

F. Engin Sezer

Half course (fall term). M. through F., at 10. EXAM GROUP: 3, 12

Emphasis on complex sentence structure and building communicative competence in describing events and expressing ideas through exercises in reading, writing, and speaking.

Note: Not open to auditors.

Prerequisite: Turkish A or equivalent.

Turkish 120b. Intermediate Turkish II

Catalog Number: 1394



F. Engin Sezer

Half course (spring term). M. through F., at 10. EXAM GROUP: 3, 12

Studies in argumentative and literary prose.

Note: Not open to auditors.

Prerequisite: Turkish 120a or equivalent.

Turkish 121a. Elementary Uzbek

Catalog Number: 3006

William E. Granara 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 II

Catalog Number: 7303

William E. Granara and assistant

Half course (spring term). Hours to be arranged; four meetings per week. EXAM GROUP: 4

Continuation of Turkish 121a.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 125a. Intermediate Uzbek I

Catalog Number: 2947

William E. Granara and assistant

Half course (fall term). Hours to be arranged.

Continuation of Elementary Uzbek with an emphasis on further development of both conversational and literary Uzbek.

Prerequisite: Turkish 121b or equivalent.

Turkish 125b. Intermediate Uzbek II

Catalog Number: 0125

William E. Granara and assistant

Half course (spring term). M., 2–4, Th., 4–6.

A continuation of Turkish 125a.

Prerequisite: Turkish 125a or equivalent.

Turkish 130a. Advanced Turkish I

Catalog Number: 6964

F. Engin Sezer

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

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). W., 2–5. EXAM GROUP: 7, 8, 9

Studies in literary and idiomatic prose through readings, discussions, and writing of short analytical papers.

Note: Not open to auditors.

Prerequisite: Turkish 130a or equivalent.

[Turkish 135. Readings in Modern Turkish Academic Prose]

Catalog Number: 4391

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

In this course the students will learn the complex jargon of modern Turkish academic language. Texts will be selected from various disciplines according to the needs of the students but with emphasis on works written after the 1980s.

Note: Expected to be given in 2009–10. Not open to auditors. Conducted in Turkish.

Prerequisite: Turkish 130b or the equivalent.

[Turkish 140a. Introduction to Ottoman Turkish I]

Catalog Number: 8163

Half course (spring term). Th., at 12, Tu., 1–3. EXAM GROUP: 14, 15, 16

Introduction to basic orthographic conventions and grammatical characteristics of Ottoman Turkish through readings in printed selections from the 19th and 20th centuries, and exercises on techniques.

Note: Expected to be given in 2009–10. Not open to auditors.

Prerequisite: Turkish A or equivalent; one year of Arabic or Persian desirable.

[Turkish 140b. Introduction to Ottoman Turkish II]

Catalog Number: 8298

Half course (fall term). Tu., 1–3, Th., at 2. EXAM GROUP: 15, 16

Continuation of Turkish 140a. Exercises on specialized orthographic conventions and grammatical characteristics of Ottoman Turkish through readings in printed selections from the 19th and 20th centuries.

Note: Expected to be given in 2009–10. Not open to auditors.

Prerequisite: Turkish 140a or equivalent.

[Turkish 145. Introduction to Old Anatolian Turkish]

Catalog Number: 0095

Half course (fall term). Th., at 1, M., 1–3. EXAM GROUP: 6, 7, 15

Grammatical, orthographic, and stylistic characteristics of Old Anatolian Turkish through reading and analysis of selected primary sources from the 13th to the 15th centuries.



Note: Expected to be given in 2009–10. Not open to auditors.

Prerequisite: Turkish 140a or equivalent.

[Turkish 146. Readings in Old Anatolian Turkish Narrative Prose]

Catalog Number: 6628

Half course (spring term). Th., at 1, M., 1–3. EXAM GROUP: 6, 7, 15

Specialized grammatical and orthographic characteristics of Old Anatolian Turkish narrative prose through reading of different genres of handwritten documents from the 14th and 15th centuries.

Note: Expected to be given in 2009–10. Not open to auditors.

Prerequisite: Turkish 140b or equivalent.

[Turkish 147a. Advanced Uzbek I]

Catalog Number: 3846

Half course (fall term). M., Tu., Th., F., at 10.

A continuation of Intermediate Uzbek.

Note: Expected to be given in 2009–10.

Prerequisite: Turkish 125b or equivalent.

[Turkish 147b. Advanced Uzbek II]

Catalog Number: 4820

Half course (spring term). Hours to be arranged.

Continuation of Turkish 147a.

Note: Expected to be given in 2009–10.

Prerequisite: Turkish 147a or equivalent.

Primarily for Graduates

[Turkish 240. Readings in Ottoman Sources]

Catalog Number: 2180

Half course (spring term). F., at 1, Tu., 2–4. EXAM GROUP: 6, 16, 17

The course will be an introduction to the calligraphic, codicological, and epigraphic practices in the Ottoman world. Mostly texts from 17th to the 19th centuries will be read and analyzed.

Note: Expected to be given in 2009–10. Not open to auditors.

Prerequisite: Turkish 140b or equivalent.

[Turkish 241. Advanced Ottoman] - (New Course)

Catalog Number: 6536

Half course (fall term). F., 1–4. EXAM GROUP: 6, 7, 8

This course will focus on the complex structure of the "high Ottoman" texts. Manuscripts from various disciplines will be read.



Note: Expected to be given in 2009–10. Not open to auditors.

Prerequisite: Turkish 240 or equivalent

Graduate Courses of Reading and Research

***Turkish 300. Turkish Languages and Literatures**

Catalog Number: 7702

Yiddish

See also above under Near Eastern Civilizations: Jewish Studies.

For Undergraduates and Graduates

Yiddish A. Elementary Yiddish

Catalog Number: 4623

Yuri Vedenyapin

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

Introduction to the Yiddish language, as written and spoken in Eastern Europe, the Americas, Israel, and around the world, and to the culture of Ashkenazic Jews. Development of reading, writing, speaking, and oral comprehension skills. Course materials include rich selections from Jewish humor, Yiddish songs, and films of Jewish life past and present.

Note: For students with little or no knowledge of Yiddish. Additional sections at different times may be added as needed.

Yiddish Ba. Intermediate Yiddish I

Catalog Number: 6023

Yuri Vedenyapin

Half course (fall term). M., W., (F.) at 11. EXAM GROUP: 4

Further development of reading, writing, speaking, and oral comprehension skills. Introduction to features of the main Yiddish dialects: Polish/Galician, Ukrainian/Volhynian, and Lithuanian/Belorussian. Course materials include selections from modern Yiddish fiction, poetry, songs, the press, and private letters, as well as pre-WWII and contemporary Yiddish films. Occasional visits from native Yiddish speakers.

Note: Additional sections at different times may be added as needed.

Prerequisite: Yiddish A or equivalent.

Yiddish Bb. Intermediate Yiddish II

Catalog Number: 1239

Yuri Vedenyapin

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Continuation of Yiddish Ba.

Prerequisite: Yiddish Ba or permission of the instructor.



Yiddish Ca. Advanced Yiddish I

Catalog Number: 8331

Yuri Vedenyapin

Half course (fall term). M., W., (F.), at 1; M., at 12; F., 2–4. EXAM GROUP: 6

Emphasis on building advanced vocabulary from the three main lexical components, Germanic, Hebrew-Aramaic, and Slavic, and further development of writing, reading, and speech.

Continued exploration of the main Yiddish dialects. Introduction to various styles of Yiddish literature, journalism, theater, film, and song, particularly from the nineteenth century to the present, including contemporary sources from both secular Yiddish culture and the Yiddish-speaking "ultra-orthodox" communities of New York, Jerusalem, and elsewhere.

Note: Additional sections at different times may be added as needed.

Prerequisite: Yiddish Bb or permission of the instructor.

Yiddish Cb. Advanced Yiddish II

Catalog Number: 8968

Yuri Vedenyapin

Half course (spring term). M., W., (F.), 1–2:30. EXAM GROUP: 6, 7

Continuation of Yiddish Ca.

Prerequisite: Yiddish Ca or permission of the instructor.

[Yiddish 104. Faith and Reason in Modern Yiddish Literature]

Catalog Number: 9102

Ruth R. Wisse

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Declining confidence in God and growing faith in human reason inspired the renaissance of Yiddish and Hebrew literatures, until their writers began to doubt its "improvements." Course examines this premise studying major works of fiction, drama, and poetry by I. L. Peretz, Sholem Aleichem, Bialik, An-sky, Asch, Brenner, Berdyczewski, the family Singer, and others.

Readings in English. Added section available for readers of Yiddish.

Note: Expected to be given in 2009–10.

Yiddish 108. America! America! : The Contradictions of American Jewish Culture

Catalog Number: 6058

Ruth R. Wisse

Half course (spring term). Tu., 2–4.

The mass migration that propelled millions of European Jews to the United States between 1881 and 1914 generated a renaissance in Jewish and American literatures. Yiddish was spoken at the time by more Jews than had ever simultaneously spoken any common Jewish language, and when they came in huge numbers to "the golden land," the Lower East Side of New York became a great creative outpost. Newfound freedoms of America inspired new directions in Yiddish literature, poetry, journalism, education, theater and film. Yet those same freedoms also prompted wholesale adoption of English among the second generation. Two parallel streams of culture—including a third in Hebrew—arose within the American Jewish community. Studying this linguistic interaction will help identify its social, political, cultural, and aesthetic tribulations and achievements.



Note: Course assumes no knowledge of Yiddish. Readings will be in English. There will be an extra section for Yiddish readers.

Yiddish 110. Yiddish Drama on Stage and Screen - (New Course)

Catalog Number: 5353

Ruth R. Wisse

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Explores the development of Yiddish drama from the mid- 19th century to the present. Features major plays from the repertoire, stage and screen adaptations, theatrical innovations; competing aesthetic, political, and cultural trends. New translations make it possible to offer this course in English.

Note: An extra section will be added for students who can read works in the original Yiddish.

Yiddish 120. Modern Yiddish Classics: Seminar - (New Course)

Catalog Number: 6574

Ruth R. Wisse

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Late as compared with other European literatures, Yiddish was jump started in the last quarter of the 19th century by Mendele Mocher Sforim, Sholem Aleichem, and I.L. Peretz. This course examines the writings and cultural influence of these Masters, their shifting critical reception, modern perspectives on their work, adaptations and desiderata.

Note: All readings in English translation. Additional section for Yiddish readers

Primarily for Graduates

[Yiddish 200r. Modern Yiddish Literature: Bashevis Singer and Grade: Seminar]

Catalog Number: 4263

Ruth R. Wisse

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Cast as the great rivals of modern Yiddish prose, Singer and Grade gain from being studied in tandem. Course treats their approaches to autobiography, choices of literary genre, treatments of gender, uses of memory and commemoration, responses to the Holocaust, Israel, and America.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Yiddish required.

Yiddish 210. Modern Yiddish Literature: Seminar - (New Course)

Catalog Number: 9279

Ruth R. Wisse

Half course (spring term). Hours to be arranged.

Given in conjunction with Yiddish 108. Concentrates on American Yiddish prose, poetry, drama, and popular culture.

Prerequisite: Reading knowledge of Yiddish required.

Graduate Courses of Reading and Research



***Yiddish 300. Yiddish Language and Literature**

Catalog Number: 7833

Ruth R. Wisse 3177

Neurobiology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Neurobiology

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*) (*Chair and Head Tutor*) (*on leave spring term*)

Randy L. Buckner, Professor of Psychology and of Neuroscience (*on leave 2008-09*)

Florian Engert, Associate Professor of Molecular and Cellular Biology

Takao K. Hensch, Professor of Molecular and Cellular Biology (*FAS*) and Professor of Neurology (*Medical School*) (*on leave fall term*)

Samuel M. Kunes, Professor of Molecular and Cellular Biology

Carole Landisman, Assistant Professor of Neurology (*Medical School*)

Jeff W. Lichtman, Professor of Molecular and Cellular Biology

Eng H. Lo, Professor of Radiology (*Medical School*)

Jonathan I. Matsui, Lecturer on Molecular and Cellular Biology, and Concentration Advisor in the Life Sciences (*Acting Head Tutor*)

Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology (*on leave fall term*)

Venkatesh N. Murthy, Professor of Molecular and Cellular Biology (*on leave fall term*)

Bence P. Olveczky, Assistant Professor of Organismic and Evolutionary Biology

Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera

Aravinthan D. T. Samuel, Associate Professor of Physics

Joshua R. Sanes, Professor of Molecular and Cellular Biology (*on leave fall term*)

Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology

Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology

Yun Zhang, Assistant Professor of Biology

Other Faculty Offering Instruction in Neurobiology

Jeffrey Michael Ellenbogen, Instructor in Neurology (*Medical School*)

Steven E. Hyman, Professor of Neurobiology (*Medical School*) and Provost of Harvard University

Eng H. Lo, Professor of Radiology (*Medical School*)

Jonathan I. Matsui, Lecturer on Molecular and Cellular Biology, and Concentration Advisor in the Life Sciences (*Acting Head Tutor*)



James J. Quattrochi, Visiting Scholar in the Department of Molecular and Cellular Biology,
Lecturer on Molecular and Cellular Biology
Mark J. Tramo, Assistant Professor of Neurology (*Medical School*)

The Neurobiology concentration is overseen by a Standing Committee, which includes representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program. The concentration is designed to investigate how nervous systems organize behavior. It explores phenomena on vastly different scales, from molecules to societies, and draws on many of the classical disciplines for experimental tools and explanatory frameworks. Neurobiology encompasses the study of individual nerve cells, connections and circuitry among neurons, and the function of the brain. For more information about Neurobiology courses and the Life Sciences concentrations, visit www.lifescience.fas.harvard.edu.

Primarily for Undergraduates

The Neurobiology 95hf Program is taught by MCB, OEB, and Medical School faculty. In most cases, the tutorials are half courses spread throughout the year, but some may be taught in one semester. Neurobiology tutorials are considered advanced neurobiology courses. Ordinarily, only one tutorial course may be counted toward the secondary field.

Students should feel free to contact with the tutorial instructors directly. Their names, phone numbers, and e-mail addresses, as well as tutorial seminar course descriptions, are posted on the Life Sciences website under the concentration course listings at www.lifescience.fas.harvard.edu. Please consult the Neurobiology website for dates and times of first meetings.

Tutorials

***Neurobiology 95a. Molecular and Cellular Understandings in Learning and Memory**

Catalog Number: 9013

Yun Zhang

Half course (fall term). M., Th., 4–5:30.

Learning is a remarkable function of the nervous system. This seminar series is focused on the molecular and cellular effects on learning processes. We will first review the basic physiology and molecular signaling in neurons. We will then discuss current understanding of molecular and cellular mechanisms of learning based on studies in *Aplysia*, *C. elegans*, *Drosophila* and mammalian hippocampus. Finally, we will discuss current progress on addiction and drug abuse and possible treatments.

Prerequisite: LS 1a, MCB 80 or OEB 57, and permission of the instructor.

***Neurobiology 95hfd (formerly *Biology 95hfd). Problem Solving in Neuroscience: An Interactive Case-Based Online Network (ICON)**

Catalog Number: 3437

James J. Quattrochi

Half course (throughout the year). Fall: Th., 6:30–8 p.m.



ICON facilitates problem solving, decision-making, team cooperation, and student-faculty partnerships in learning neuroscience. ICON is real time casesimulation using web-based modules that permit students to see the consequences of their decisions and to communicate in dialogue with case characters to achieve the best possible outcome. We collaborate this year with students and faculty from the Universidad de Chile. ICON yields a translational advantage linking theory with practice and an interdisciplinary competency in life sciences.
Prerequisite: MCB 80 and permission of the instructor.

***Neurobiology 95hfe. The Neglected Synapse: Gap Junctions in the Nervous System - (New Course)**

Catalog Number: 0277

Carole Landisman (Medical School)

Half course (throughout the year). Fall: W., 4–5:30; Spring: W., at 4. EXAM GROUP: 9

Only recently has the prevalence of gap junctions in the mammalian brain been realized. As a result, a surge of studies have begun to reveal the importance of electrical synapse function throughout the nervous system. This tutorial covers foundational studies as well as the broad functional implications revealed by recent technological advances.

Note: MCB 115 recommended.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hff. From Baseball to Beethoven: Cerebellar Integration, Motor Learning and Behavior - (New Course)**

Catalog Number: 3038

Jonathan I. Matsui and members of the Faculty

Half course (throughout the year). Th., 4–6.

Have you ever wondered how your brain controls complex behaviors such as playing an instrument, throwing a baseball, or learning to dance? This course will cover current theories on how a brain region called the cerebellum integrates neural information to control motor coordination and learning, as well as aspects of cognition, emotion, and even our perception of music. We will also cover cerebellar development and new research into potential treatments for disease.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfg. More than Glue: Glial Cells in Health and Neurological Disease - (New Course)**

Catalog Number: 3370

Jonathan I. Matsui and members of the Faculty

Half course (throughout the year). Th., 7–8:30 p.m. EXAM GROUP: 18

Glial cells (astrocytes, oligodendrocytes, and microglia) play an active role in both the normal physiology of the brain and the pathogenesis of many degenerative disorders. They modulate synaptic transmission, monitor brain "health", and secrete molecules that affect a variety of brain functions. This class will be an in-depth exploration into the normal function of glial cells and how their dysfunction can contribute to a variety of neurological disorders: MS, ALS, gliomas, regeneration, Alzheimer's disease, etc.

Prerequisite: LS 1a, MCB 80 and permission of the instructor.



***Neurobiology 95hfh. Bird Song and Human Language: Learning from the Birds - (New Course)**

Catalog Number: 2579

Jonathan I. Matsui and members of the Faculty

Half course (throughout the year). M., 6:30–8 p.m. EXAM GROUP: 9

This course approaches language with a heavy emphasis on the insights gained from birdsong research. We will read and discuss original publications showing that, like humans, songbirds are vocal learners. They go through developmental phases similar to those of their human counterparts (including babbling), exhibit regional song dialects, show critical periods and require auditory feedback for song learning and maintenance.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfi (formerly *Biology 95hfi). Eye Can't Hear You: Blindness and Deafness in Society**

Catalog Number: 9859

Jonathan I. Matsui

Half course (throughout the year). Tu., 7:30–9 p.m.

This course presents the ear and retina as model systems to investigate neural degeneration and regeneration. We will first examine how the loss of hearing and vision through genetics, aging, and how the environment affects individuals and their families. We will then examine different mechanisms by which partial restoration of these senses may occur through the use of stem cells, prosthetics, and other treatments.

Note: Expected to be omitted in 2009–10.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfi (formerly *Biology 95hfi). The Sleeping Brain**

Catalog Number: 6361

Jeffrey M. Ellenbogen (Medical School) and members of the Faculty

Half course (throughout the year). W., 6–7:30 p.m. EXAM GROUP: 9

This seminar will focus on the neuroscience of sleep. We will begin broadly, by employing a systems-level perspective on the neuroanatomy and neurophysiology of sleep. We will then focus on key regions in detail. We will introduce models of animal research, computational models, neuroimaging, electrophysiology, human disease, and a section on behavioral and cognitive neuroscience of sleep.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfk (formerly *Biology 95hfk). Mechanisms of Neurological Disease**

Catalog Number: 7431

Eng H. Lo (Medical School)

Half course (throughout the year). Tu., 2–4. EXAM GROUP: 16, 17

Advances in molecular and cellular biology have revealed similar basic mechanisms of brain cell death in a wide range of disorders (e.g. Alzheimer's, Parkinson's, stroke, etc). These pathways include excitotoxicity, oxidative stress, and apoptosis. This seminar examines (1) the molecular mechanisms of cell death, (2) the evidence that implicates specific pathways in specific disorders, and (3) rational therapeutic targets for disease.

Prerequisite: MCB 80 and permission of the instructor.



***Neurobiology 98r. Laboratory Research**

Catalog Number: 0494

Jonathan I. Matsui and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

This course is ordinarily taken to obtain credit for independent research leading to a senior thesis. Work should be directed by a member of the Neurobiology concentration standing committee. Other research sponsors must be approved by the Head Tutor and require an appropriate co-sponsor. All students must submit registration materials for Neurobiology 98r at the time of enrollment.

Note: Laboratory safety session required. This course can be taken twice for concentration credit.

***Neurobiology 99r. Supervised Research for Honors Thesis**

Catalog Number: 9400

Jonathan I. Matsui and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

For honors candidates writing a thesis in Neurobiology. This course is ordinarily taken in the last semester of enrollment. The Head Tutor must approve a thesis proposal prior to enrolling in Neurobiology 99r.

Note: Laboratory safety session required.

For Undergraduates and Graduates

[Neurobiology 101. Auditory Neurobiology]

Catalog Number: 6795

Mark J. Tramo (Medical School) and Jonathan I. Matsui

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

How does the brain transform sound waves striking your eardrums—or the words you are reading on this page—into the sounds we hear in our heads? What parts of the hearing brain are necessary and sufficient to understand words, apprehend music, and recognize your grandmother's voice? This lecture course takes an interdisciplinary approach to understanding auditory perception and cognition by incorporating topics in systems neuroscience, genetics, psychophysics, cognitive psychology, neurology, and audiology.

Note: Expected to be given in 2009–10.

Prerequisite: MCB 80.

Neurobiology 130 (formerly Psychology 1205). Drugs and the Brain: From Neurobiology to Ethics

Catalog Number: 4056

Steven E. Hyman

Half course (fall term). Tu., Th., 1-2:30, and section meetings to be arranged. EXAM GROUP: 15, 16

Progress in neuroscience has produced drugs and devices that not only treat mental and behavioral disorders, but can influence behavior in people who are not ill. Questions have been raised about whether such interventions might unduly influence identity, undermine personal responsibility, or have negative societal consequences. This course will examine how certain drugs (e.g., stimulants, antidepressants, addictive drugs) and devices act in the brain and the



ethical and policy issues raised by their use.

Prerequisite: MCB 80 or equivalent.

[*Neurobiology 135 (formerly *Psychology 2350). Current Topics in Cognitive Neuroscience Research]

Catalog Number: 3198

Randy L. Buckner

Half course (spring term). Hours to be arranged.

Discussion of current research and didactic lecture on technical aspects of methods in cognitive neuroscience research. Readings cover specific research programs based on both animal models and human studies of memory and executive function.

Note: Expected to be given in 2009–10. Limited to students involved in research. Previous background in cognitive neuroscience required.

Prerequisite: MCB 80 (or equivalent) and permission of the instructor.

Cross-listed Courses in Neurobiology

[*BCMP 213. Behavioral Pharmacology]

[*Life Sciences 100r \(formerly *MCB 100r\). Experimental Research in the Life Sciences](#)
[MCB 80 \(formerly Biological Sciences 80\). Neurobiology of Behavior](#)
[MCB 105. Systems Neuroscience](#)

[MCB 115. Cellular Basis of Neuronal Function]

[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)

[MCB 141. Molecular and Developmental Neurobiology]

[*MCB 145 \(formerly *Neurobiology 95hfb\). Neurobiology of Perception and Decision-Making](#)

[*MCB 146 \(formerly *Neurobiology 95c\). Experience-Based Brain Development: Causes and Consequences](#)

[*MCB 173. Optical Imaging in the Biological Sciences](#)

[MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation](#)

[MCB 206. Introduction to Connectomics]

[Neurobiology 204. Neurophysiology of Central Circuits](#)

[Neurobiology 207. Developmental Neurobiology](#)

[Neurobiology 209. Neurobiology of Disease]

[*Neurobiology 220. Cellular Neurophysiology](#)

[*Neurobiology 221. Molecular Neurobiology](#)

[OEB 57 \(formerly Biological Sciences 57\). Animal Behavior](#)

[OEB 205. Neurobiology of Motor Control - \(New Course\)](#)

[OEB 223. Topics in Neurogenetics](#)

[Physics 141. The Physics of Sensory Systems in Biology]

[Psychology 1201. Your Brain on Drugs: Psychopharmacology](#)

[*Psychology 1354. Classic Papers on Memory (and the Ones that Got Away!)]

[Psychology 1430. Human Memory and Amnesia]

[*Psychology 1572. Stress and Health: Concentration Seminar](#)

[Psychology 1808. Neurobiological Aspects of Psychopathology](#)

[*Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar](#)



[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar](#)
[\[Psychology 2482. Neuropsychological Assessment\]](#)

Oceanography

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Oceanography

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics
(Chair)

Peter John Huybers, Assistant Professor of Earth and Planetary Sciences

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of
Biological Oceanography

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental
Science and Engineering

Courses in the various branches of oceanography are listed separately under the headings
Biology, Engineering Sciences and Applied Physics, and Earth and Planetary Sciences in this
catalog. Further information on related courses and on other opportunities for study in
oceanography at the University, at the Woods Hole Oceanographic Institution, and at the Marine
Biological Laboratory may be obtained from the Official Register “Instruction in
Oceanography,” or from members of the Faculty Committee on Oceanography. Undergraduate
and graduate students are encouraged to write the Committee Chair to apply for funding in order
to pursue oceanography-related projects, field work or study opportunities.

Organismic and Evolutionary Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Organismic and Evolutionary Biology

Andrew A. Biewener, Charles P. Lyman Professor of Biology (Chair)

Arkhat Abzhanov, Assistant Professor of Organismic and Evolutionary Biology



Colleen M. Cavanaugh, Edward C. Jeffrey Professor of Biology
 Stacey A. Combes, Assistant Professor of Organismic and Evolutionary Biology
 Charles C. Davis, Assistant Professor of Organismic and Evolutionary Biology
 Jacques Dumais, Associate Professor of Organismic and Evolutionary Biology
 Scott V. Edwards, Professor of Organismic and Evolutionary Biology and Alexander Agassiz Professor of Zoology
 Cassandra G. Extavour, Assistant Professor of Organismic and Evolutionary Biology
 Brian D. Farrell, Professor of Biology
 David R. Foster, Senior Lecturer on Biology
 Peter R. Girguis, Assistant Professor of Organismic and Evolutionary Biology
 Gonzalo Giribet, Professor of Biology
 David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology (*Head Tutor*)
 James Hanken, Professor of Biology and Curator of Herpetology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
 Daniel L. Hartl, Higgins Professor of Biology
 Hopi E. Hoekstra, John L. Loeb Associate Professor of the Natural Sciences
 N. Michele Holbrook, Charles Bullard Professor of Forestry
 Farish A. Jenkins, Jr., Professor of Biology and Alexander Agassiz Professor of Zoology (*FAS*) and Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology (*Medical School*)
 Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences (*on leave fall term*)
 Elena M. Kramer, Professor of Organismic and Evolutionary Biology (*on leave fall term*)
 George V. Lauder, Professor of Biology and Alexander Agassiz Professor of Zoology
 Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology; Curator of Ichthyology
 Jonathan Losos, Monique and Philip Lehner Professor for the Study of Latin America and Curator in Herpetology (*on leave spring term*)
 Charles R. Marshall, Professor of Biology and of Geology
 Christopher Marx, Assistant Professor of Organismic and Evolutionary Biology
 James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of Biological Oceanography
 Paul R. Moorcroft, Professor of Biology
 Martin A. Nowak, Professor of Mathematics and of Biology
 Bence P. Olveczky, Assistant Professor of Organismic and Evolutionary Biology
 Donald H. Pfister, Asa Gray Professor of Systematic Botany and Curator of the Farlow Library and Herbarium
 Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera
 Anne E. Pringle, Assistant Professor of Organismic and Evolutionary Biology
 Pardis Sabeti, Assistant Professor of Organismic and Evolutionary Biology, Tutor in Biochemical Sciences
 John R. Wakeley, Professor of Organismic and Evolutionary Biology (*on leave spring term*)
 Robert M. Woollacott, Professor of Biology
 Yun Zhang, Assistant Professor of Biology

Other Faculty Offering Instruction in Organismic and Evolutionary Biology



Andrew J. Berry, Lecturer on Biology
William H. Bossert, David B. Arnold, Jr. Professor of Science (*on leave fall term*)
Michael R. Canfield, Lecturer on Organismic and Evolutionary Biology
Arthur L. Lage, Associate Professor of Surgery (*Medical School*)
Daniel E. Lieberman, Professor of Anthropology
Sarah L. Mathews, Sargent Fellow (*Arnold Arboretum*)

Primarily for Undergraduates

OEB 10. Foundations of Biological Diversity

Catalog Number: 7967

Brian D. Farrell and N. Michele Holbrook

Half course (fall term). M., W., F., at 12, and three hours of laboratory/discussion section weekly, including field trips to marine and forest environments. EXAM GROUP: 5

An integrated approach to the diversity of life, emphasizing how chemical, physical, genetic, ecological and geologic processes contribute to the origin and maintenance of biological diversity. Topics to be covered include the evolution of metabolic pathways, multicellularity and structural complexity; causes and consequences of differences in diversity over space and time; the role of species interactions (including symbioses) as an evolutionary force; and the evolution of humans and their impact on the environment.

Note: Knowledge of introductory molecular, cellular biology, and genetics is recommended. This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 51 (formerly OEB 110). Biology and Evolution of Invertebrate Animals

Catalog Number: 7873 Enrollment: Limited to 12.

Gonzalo Giribet and Cassandra G. Extavour

Half course (spring term). Lectures Tu., Th., 10–11:30; laboratory on Wednesdays with hours to be arranged. EXAM GROUP: 12, 13

Introduction to invertebrate diversity, emphasizing the anatomy, biology and evolutionary relationships of the main animal phyla including sponges, mollusks, annelids and arthropods among others. Special emphasis is placed on understanding the broad diversity of animal forms and their adaptations to different ecosystems and how these phenomena shape animal evolution. Lectures will be complemented with a mandatory weekly lab and a field trip to different areas of outstanding marine diversity in the Caribbean.

Note: Field trip to the Caribbean for research during spring break.

Prerequisite: OEB 10 or OEB 53 (formerly BS 53) or EPS 181, or permission of instructor required.

OEB 52 (formerly OEB 124). Biology of Plants

Catalog Number: 1343 Enrollment: Limited to 16.

Elena M. Kramer, Jacques Dumais, and N. Michele Holbrook

Half course (spring term). Tu., Th., 10–11:30, one afternoon laboratory per week, plus occasional field trips. EXAM GROUP: 12, 13

Introduction to the structure, diversity, and physiology of plants with an emphasis on evolutionary relationships and adaptations to life on land. Topics include growth, resource acquisition, interactions with other organisms (i.e., fungi, bacteria, insects), reproduction, and



survival in extreme environments. Laboratory sessions provide an overview of plant and diversity and an introduction to basic physiological processes.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

Catalog Number: 3342

Andrew J. Berry and Hopi E. Hoekstra

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

The course covers micro- and macro-evolution, ranging in its focus from population genetics through molecular evolution to the grand patterns of the fossil record. Topics emphasized include both natural and sexual selection, the ecological context of adaptation, genomic and developmental mechanisms of evolutionary innovation, speciation, phylogenetics, and evolutionary approaches to human problems.

Note: This course, when taken for a letter grade, meets the Core requirement for Science B.

Prerequisite: Life Sciences 1b or permission of instructor.

OEB 54. Biology of the Fungi

Catalog Number: 9326

Donald H. Pfister and Anne Pringle

Half course (fall term). Tu., Th., 1–2:30, and a weekly laboratory on Tu., 2:30 –5. EXAM GROUP: 15, 16

This course explores the fascinating diversity of the kingdom fungi, including evolution, ecology and morphology. All major groups of fungi, from smuts to molds, will be included. Students will use a variety of techniques to learn about fungi and their activities.

Note: There is a weekly laboratory and at least one weekend field trip and several afternoon field trips are required (dates to be announced).

Prerequisite: Life Sciences 1a and 1b or permission of instructor.

OEB 55 (formerly Biological Sciences 55). Ecology: Populations, Communities, and Ecosystems

Catalog Number: 3365

Paul R. Moorcroft

Half course (spring term). M., W., F., at 10, and a weekly discussion section, and two field trips on either Saturdays or Sundays during mid-April to early-May. EXAM GROUP: 3

Relationships of organisms to their environment at the individual, population, and community level. Topics in pure and applied ecology including adaptations to physical environment, competition, population dynamics, predator-prey interactions, herbivore effects, community ecology, ecosystem structure, stability and function, and resource management.

Note: This course, when taken for a letter grade, meets the Core requirement for Science B.

Prerequisite: Mathematics 1b.

OEB 57 (formerly Biological Sciences 57). Animal Behavior

Catalog Number: 2539

Bence P. Olveczky and Andrew J. Berry

Half course (fall term). Tu., Th., at 10; Guest lectures and film screenings W., at 7:30 pm; one hour discussion section weekly. EXAM GROUP: 12



A review of the behavior of animals under natural conditions, with emphasis on both mechanistic and evolutionary approaches. Topics include classical ethology; behavioral endocrinology; behavioral genetics; learning and memory; communication; orientation, migration and biological rhythms; optimal foraging; evolutionary stable strategies; sexual selection; parental investment and mating systems; selfishness, altruism, and reciprocity; and sociality in vertebrates and invertebrates.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 59 (formerly OEB 104). Plants and Human Affairs

Catalog Number: 5281

Donald H. Pfister and Charles C. Davis

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An introduction to the uses of plants by humans. Topics include the form, structure and genetics of plants related to their use as sources of food, shelter, fiber, flavors, beverages, drugs, and medicines. Plant structure and reproduction are studied in lecture and laboratory with a particular focus on relationships between the plant's structural, chemical, or physiological attributes and the utility plant.

Note: This course, when taken for a letter grade, meets the Core requirement for Science B.

Prerequisite: OEB 10 or permission of the instructor.

OEB 91r. Supervised Reading

Catalog Number: 6374

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading on topics not covered by regular courses. For OEB concentrators, work may be supervised by faculty in other departments, provided it is co-sponsored by an OEB faculty member. For non-concentrators, work must be directed by an OEB faculty member. Students must submit a registration request to the OEB Undergraduate Office before enrollment. Students cannot take OEB 91r and 99r simultaneously with the same director.

Prerequisite: Four terms of biology.

***OEB 99r. Supervised Research**

Catalog Number: 7744

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Course taken in one or more semesters to obtain credit for independent research, including research toward a senior thesis. Work should be directed by an OEB faculty member or have an OEB faculty sponsor. All students must submit registration materials for OEB 99r at the time of enrollment.

Note: Laboratory safety session required.

For Undergraduate and Graduates

OEB 100. Evolution in Action - (New Course)

Catalog Number: 9930 Enrollment: Limited to 16.

Christopher Marx



Half course (spring term). M., 3:30–5:30. EXAM GROUP: 8, 9

In this project based laboratory course students will conduct research utilizing experimental evolution of microbial populations. The research will address questions that synthesize knowledge of genetics, biochemistry, systems biology, microbiology, evolution and ecology.

Prerequisite: Life Sciences 1a and 1b or permission of the instructor required. OEB 192 (Microbial Evolution) recommended but not required. Open to students from any concentration

OEB 103. Plant Systematics and Evolution

Catalog Number: 8704

Charles C. Davis

Half course (spring term). M., W., 1–2:30, and a four hour lab on Fridays. EXAM GROUP: 6, 7

An introduction to the diversity and evolution of vascular plants. The course focuses mainly on flowering plants because of their dominant role on the earth, but lycophytes, ferns, and gymnosperms are studied as well. A phylogeny of vascular plants provides the framework for their evolution and diversification. Related subjects, including plant habitats, biogeography, phylogenetics, herbaria, nomenclature, and pollination biology are also presented in lecture and laboratory.

Note: There are two midterms, a final, frequent lab quizzes, and an optional trip to the Brazilian state of Bahia to study plants in their native setting.

Prerequisite: OEB 10 or permission of instructor.

[OEB 106. Plant Development and Differentiation]

Catalog Number: 4559

Elena M. Kramer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A comprehensive lecture course on the developmental biology of plants from fertilization through all phases of vegetative and reproductive growth. Material includes both morphological and genetic studies. Although the main focus of the course is angiosperms, examples are drawn from other lineages of land plants as well. Additional topics include control of cell division and elongation, signal transduction, and hormone response.

Note: Expected to be given in 2009–10.

Prerequisite: Life Sciences 1b and OEB 52 (formerly OEB 124) or permission of the instructor.

OEB 107. Evolution of Plant Life in Geologic Time

Catalog Number: 1318

Andrew H. Knoll

Half course (spring term). M., W., at 10, and a weekly 2-hour lab to be arranged. EXAM GROUP: 3

Origin, evolution, dispersal, paleoecology, and geologic history of the major groups of the plant kingdom. Laboratory study of representative groups, living and fossil.

Prerequisite: OEB 10 or permission of instructor.

[OEB 111. Plants and Environmental Sensing]

Catalog Number: 7832 Enrollment: Limited to 30.

Sarah L. Mathews (Arnold Arboretum)

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4



The exquisite capacity of plants for fine-tuning their growth and development to environmental cues provides evidence of the systems they use for monitoring their environments. This course covers the systems used to sense and respond to light (quality, quantity, direction, periodicity), gravity, temperature, neighboring vegetation, mutualistic partners, pathogens, parasites, herbivores, and abiotic stressors.

Note: Expected to be given in 2009–10.

Prerequisite: OEB 10, OEB 52, or approval of the instructor.

OEB 113. Paleobiological Perspectives on Ecology and Evolution

Catalog Number: 1777

Charles R. Marshall

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to the analysis of key problems in paleobiology, with an emphasis on how evolutionary and ecological processes operate on geologic timescales. Topics include: the evolution of ecosystems; dissecting biodiversity dynamics; determining times of origin and extinction; assessing the absolute completeness of the fossil record; stratigraphy and phylogeny reconstruction; theoretical and functional morphology.

Prerequisite: Prior biology experience or permission of instructor.

OEB 114. Vertebrate Viviparity

Catalog Number: 4953

David A. Haig

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Viviparity has evolved many times in vertebrate phylogeny. The course reviews the diversity of parental care in vertebrates and explores the selective forces that have favored the evolution of live-bearing. The evidence for intergenerational conflicts is considered.

Prerequisite: Life Sciences 1b or permission of instructor.

OEB 115. Evolutionary Developmental Biology in Animals

Catalog Number: 9892

Arkhat Abzhinov

Half course (fall term). M., F., 1–3. EXAM GROUP: 6, 7

A lecture course in evolutionary developmental biology. Main principles and mechanisms of development as illustrated on both invertebrate and vertebrate animal model systems. In this course we will discuss how animal embryos develop adult body plans on cellular and molecular level. Particular emphasis will be placed on how knowledge of developmental biology helps us understand major evolutionary transitions and the origin of innovation in animal evolution.

Prerequisite: Life Sciences 1a (or LPS A) and 1b, or permission of instructor. OEB 10, MCB 52, and MCB 54 are recommended but not required. Open to students from any concentration.

[OEB 118. Biological Oceanography]

Catalog Number: 7752

James J. McCarthy

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The ocean as an ecological system, with focus on environmental-organismal interactions that regulate plankton production and transfer to higher trophic levels. Specific topics include bloom



events, the limits to fish harvest, and the effects of climate change on ocean systems. Plankton demonstrations and optional coastal research vessel day trip.

Note: Expected to be given in 2010–11. For biology and other natural science concentrators.

Prerequisite: OEB 10 and Life Sciences 1a (or LPS A), Physical Sciences 1 or permission of instructor.

[OEB 119. Deep Sea Biology]

Catalog Number: 1397

Peter R. Girguis

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

The oceans contain 97% of Earth's water, and host the most disparate ecosystems on the planet. This course provides an introduction to deep ocean habitats, macrofauna and microorganisms. Emphasis is placed on the physiological adaptations of organisms to their environment, as well the role of microbes in mediating oceanic biogeochemical cycles.

Note: Expected to be given in 2009–10.

***OEB 121a. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4049

Andrew A. Biewener, George V. Lauder, and Daniel E. Lieberman

Half course (spring term). Hours to be arranged.

Introduces students to experimental techniques used to investigate the structure and physiology of vertebrates. Each instructor offers research projects that are undertaken in their laboratory (limit 5 students per instructor). Students meet to introduce their project, discuss their work and progress, and to present their final results. An extensive commitment of time in the laboratory is required. Grades are based on the work completed, the oral presentation, and a short research paper.

Note: Laboratory safety session required.

Prerequisite: Life Sciences 2 or OEB 102 or equivalent preferred.

***OEB 121b. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4670

Andrew A. Biewener, George V. Lauder, and Daniel E. Lieberman

Half course (fall term). Hours to be arranged.

Students may extend the initial project undertaken in OEB 121a into a thesis research project.

Note: Laboratory safety session required.

Prerequisite: OEB 121a and permission of instructor.

[OEB 122 (formerly OEB 122a). Field Research in Ecology and Conservation]

Catalog Number: 9324

David R. Foster and N. Michele Holbrook

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Introduces students to advanced concepts in ecology and conservation in preparation for research through focused discussion and field trips with individual and collaborating faculty and science teams. Students will learn to read/critique scientific literature, prepare annotated bibliographies and write independent research proposals. Topics include long term ecological research at the Harvard Forest; field sampling methods; data management; and interdisciplinary studies in



ecology and conservation. Appropriate for undergraduates interested in ecology, environment and related fields.

Note: Expected to be given in 2009–10.

Prerequisite: OEB 10, OEB 55 (formerly BS 55) or equivalent.

[OEB 123. Biology of Symbiosis]

Catalog Number: 0508

Colleen M. Cavanaugh

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An examination of the major aspects of endosymbiosis with emphasis on mutualism, although some parasitic interactions are covered. Topics include origins of the eukaryotic cell, specificity and recognition of partners, distribution and diversity of associations, and coevolution of host and symbiont.

Note: Expected to be given in 2009–10.

Prerequisite: Life Sciences 1b, OEB 10, and MCB 52 or equivalent, or permission of instructor.

[OEB 125. Molecular Ecology and Evolution]

Catalog Number: 2691

Scott V. Edwards and guest lecturers

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A survey of empirical applications of DNA technologies to the study of evolutionary, ecological and behavioral processes in natural populations. Topics to be covered will span a variety of hierarchical levels, timescales, and taxonomic groups, and will include the evolution of genes, genomes and proteins; evolution of multigene families and molecular clocks; population genetic and phylogenetic principles of speciation and phylogeography; DNA fingerprinting in forensics and behavioral ecology; evolutionary genetics of disease resistance; and conservation genetics.

Note: Expected to be given in 2009–10. Weekly computer laboratories will introduce the use of the internet and computational software in DNA sequence alignment and phylogenetic and population genetic analysis.

Prerequisite: Life Sciences 1b, OEB 10, OEB 53 or MCB 52.

[OEB 130. Patterns and Processes in Fish Diversity]

Catalog Number: 4624

Karel F. Liem and George V. Lauder

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Fishes inhabit diverse aquatic environments including deep seas, intertidal zones, coral reefs, polar waters, the vast Amazonian basin, and great East African lakes. A single fish species may occupy diverse environments through extraordinary long distance horizontal and vertical migrations. To explore this unparalleled diversity, the course emphasizes bridging traditional academic boundaries with integrative analyses of the biology underlying rapid evolutionary radiations and stasis.

Note: Expected to be given in 2009–10.

Prerequisite: Life Sciences 1b or LS2, and OEB 10, or permission of instructor.

OEB 139. Evolution of the Vertebrates

Catalog Number: 8562



Farish A. Jenkins, Jr.

Half course (fall term). M., W., 12–1:30. EXAM GROUP: 5, 6

A survey of the origination and evolution of the major groups of vertebrates, with emphasis on the anatomical and physiological transformations that occurred during the transitions to diverse lineages of fish, amphibians, reptiles, birds, and mammals. The structures and functions exhibited in extant taxa are explored with perspectives from the fossil record.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 152. Population Genetics

Catalog Number: 0903

Daniel L. Hartl and Pardis Sabeti

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Introduction to population genetic theory. Covers deterministic and stochastic theory of gene frequencies, and coalescent theory of sample-based statistics. Emphasis on patterns of genetic variation within and between populations, and how these can serve as the basis for inference about mutation, genetic drift, migration, natural selection, and population structure.

Prerequisite: LS1b or permission of the instructor.

OEB 155r. Biology of Insects

Catalog Number: 2346 Enrollment: Limited to 15.

Naomi E. Pierce and Michael R. Canfield

Half course (fall term). W., 1–3:30. EXAM GROUP: 6, 7, 8

An introduction to the major groups of insects. The life history, morphology, physiology, and ecology of the main taxa are examined through a combination of lecture, lab, and field exercises. Topics include the phylogeny of terrestrial arthropods with a review of the extant orders, an analysis of abiotic and biotic factors regulating populations, including water balance, temperature, migration, parasitism, mutualism, sociality, insect/plant interactions, medical entomology, and the use of insects in biological control.

Prerequisite: With permission of instructor.

OEB 157. Global Change Biology

Catalog Number: 7055

Paul R. Moorcroft and James J. McCarthy

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines natural and anthropogenic changes in the earth system and their impact on the structure and functioning of terrestrial and oceanic ecosystems. Topics include earth system history, fossil fuel emissions, changing water chemistry, ozone, species extinctions and invasions, and human exploitation of natural resources.

Prerequisite: OEB 10 or OEB 53 and Mathematics 1a required. OEB 55 (formerly BS 55) recommended.

[OEB 167. Herpetology]

Catalog Number: 4070

James Hanken and Jonathan Losos

Half course (spring term). Tu., Th., 1–2:30; Lab: W., 2–5. EXAM GROUP: 15, 16

An introduction to the biology of amphibians and reptiles. Lectures and laboratories examine the



morphology, systematics, natural history, behavior, ecology, evolutionary relationships, and biogeography of all major taxa.

Note: Expected to be given in 2009–10. The course is planning a week-long field trip during spring break.

OEB 168r. Sociobotany

Catalog Number: 5092

David A. Haig

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A study of the diversity and evolution of plant life cycles, with an emphasis on interactions between the generations.

Prerequisite: Permission of instructor.

[OEB 173. Comparative Biomechanics]

Catalog Number: 9667

Andrew A. Biewener and Jacques Dumas

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

An exploration of how animals and plants contend with their physical environment, considering their biomaterial properties, structural form, and mechanical interaction with the environment. Through lectures, seminar discussions, and student presentations based on readings, students are introduced to topics related to biomechanical performance.

Note: Expected to be given in 2009–10.

Prerequisite: Mathematics 1b, Physical Science 2 or Physics 11a; Mathematics 21a recommended, or permission of instructor.

[OEB 174r. Topics in Behavioral Ecology]

Catalog Number: 5199 Enrollment: Limited to 15.

Naomi E. Pierce

Half course (spring term). M., 2:30–4:30. EXAM GROUP: 7, 8, 9

Current issues in neuroethology, behavior, and behavioral ecology are examined, with topics that change each year. Topics in previous years have included: evolution of sex, evolution of cooperation, evolution of communication, and learning and Memory. The topic this year will focus on comparative methods in studying the evolution of behavior. The course involves invited speakers and discussion of the primary literature.

Note: Expected to be given in 2009–10.

Prerequisite: OEB 57 or MCB 80 or Science B-29 or permission of instructor.

OEB 181. Systematics

Catalog Number: 5459

Gonzalo Giribet and Charles R. Marshall

Half course (fall term). Tu., Th., 10–11:30; laboratory on Wednesdays with hours to be arranged. EXAM GROUP: 12, 13

Theory and practice of systematics, emphasizing issues associated with homology statements and alignments, methods of tree reconstruction, and hypothesis evaluation. The course combines theoretical considerations, paying special attention to algorithmic aspects of phylogenetics, with the use of different computer programs for conducting evolutionary and phylogenetic analyses.



Prerequisite: OEB 53, or permission of instructor required. Familiarity with computers, especially Mac and PC platforms.

[OEB 189. Comparative Cell Morphogenesis]

Catalog Number: 2195

Jacques Dumais

Half course (fall term). M., W., 2:30–4:30. EXAM GROUP: 7, 8, 9

A survey of the different modes of cellular development in unicellular organisms and in specialized cells within multicellular organisms. Lectures will cover morphogenesis in bacteria, coccolithophores, diatoms, yeasts, fungal hyphae, ciliates, neurons, and red blood cells among others. The emphasis will be on the molecular and biophysical controls of cell shape. The functional significance of cell shape will also be discussed. Laboratories will introduce the students to the organisms studied in class.

Note: Expected to be given in 2009–10.

Prerequisite: MCB 54 recommended.

OEB 190. Biology and Diversity of Birds

Catalog Number: 3870 Enrollment: Limited to 12.

Scott V. Edwards

Half course (spring term). Tu., Th., 11:30–1 and two hours weekly of specimen laboratory.

EXAM GROUP: 13, 14

An introduction to the biology of birds. Covers the fossil record and theories for avian origins, physiology and anatomy, higher-level systematics and field characters of the ~27 orders, speciation processes, nesting and courtship behavior, vocalizations, mating systems and sexual selection, cooperative breeding, demography and conservation. Optional field trip during spring break. Laboratories will consist of gross anatomy, bird watching excursions in the Cambridge area, field techniques and specimen preparation, and systematic study of avian groups using the collections of the Museum of Comparative Zoology.

Prerequisite: OEB 10 or OEB 53 or permission of the instructor.

OEB 191. Physiological and Biochemical Adaptation

Catalog Number: 2314

Peter R. Girguis and Stacey A. Combes

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course examines how metabolic systems in organisms, from microbes to mammals, have evolved to maintain function throughout the wide range of habitats found on Earth. Emphasis is placed on organismal physiology and biochemical evolution in response to the environment, including the oxygenation of earth's atmosphere and the so-called "extreme" environments. Topics will include pH regulation, thermo-tolerance, desiccation, locomotion, as well as numerous novel physiological adaptations.

Prerequisite: OEB 10 or MCB 56 or permission of the instructor.

OEB 192. Microbial Evolution

Catalog Number: 5019

Christopher Marx

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8



An examination of the evolution of microbes through an integration of lectures and discussion of primary literature. Additionally, students will be involved in two experimental evolution projects: one involving microbes in the laboratory, the other with 'digital organisms.' We will focus on a series of broad questions for which we will draw upon knowledge from both lab-based study of experimental microcosms and comparative studies of natural populations.
Prerequisite: Life Sciences 1a and Life Sciences 1b or equivalent required.

OEB 193 (formerly OEB 122b). Advanced Research in Ecology and Conservation

Catalog Number: 7742

David R. Foster and N. Michele Holbrook

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Unique peer learning/workshop format provides formal training to students actively engaged in the research process. Students will develop publications, presentations, senior theses, and/or interdisciplinary collaborations from current or recent field/lab research activities. Includes focused reading and discussion of student work and relevant literature, plus field trips to the Harvard Forest for hands-on training and workshops in scientific writing/presentations, mapping/graphics, & experimental design/analysis. Tailored to the individual research needs of enrollees. Can supplement or substitute for 99r.

Prerequisite: OEB 10, OEB 55 (formerly BS 55), OEB 122 or equivalent.

Primarily for Graduates

OEB 205. Neurobiology of Motor Control - (New Course)

Catalog Number: 1519

Bence P. Olveczky

Half course (spring term). W., 2–4.

This course explores the functional organization and anatomy of motor circuits in the brain and how they control movements, including simple reflex movements, rhythmic movements, and more complex sequences of learned movements.

Prerequisite: MCB 80 or equivalent or permission of instructor.

OEB 211r. Form, Function, and Evolution

Catalog Number: 2056

Karel F. Liem

Half course (fall term). Hours to be arranged.

Evolutionary mechanisms underlying the diversity in design of living vertebrates. Recent advances of topics selected by faculty and students.

[OEB 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. In 2007 we will focus on how quantitative predictions drawn from the study of extant plants can be used to illuminate and constrain the functional biology of fossil lineages. We will critically examine quantitative models of fluid flow in stems



and leaves, stressing the physiological consequences of anatomical features preservable in fossils, and then evaluate the utility of these and other approaches in the physiological reconstruction of selected Paleozoic fossils.

Note: Expected to be given in 2009–10.

Prerequisite: OEB 120 (formerly Bio 120,) OEB 107 (formerly Bio 107,) or permission of instructor.

[*OEB 214. Biology of Acoustic Communities]

Catalog Number: 2422 Enrollment: Limited to 12.

Brian D. Farrell

Half course (spring term). Tu., 11:30–1. EXAM GROUP: 13, 14

Four principal animal groups (insects, frogs, birds and mammals) sing and call in habitats around the world. We discuss the ecology, evolution and characteristics of such acoustic communities and the hypothesis that their members compete for "bandwidth". We discuss readings on acoustic ecology and evolution, and listen to (and watch, via spectrum analysis) soundscapes from selected tropical and temperate habitats. The capstone will be a fieldtrip to record natural soundscapes.

Note: Expected to be given in 2009–10.

Prerequisite: OEB 10 or permission of the instructor.

[OEB 221. Microbial Diversity]

Catalog Number: 1234

Colleen M. Cavanaugh

Half course (spring term). Hours to be arranged.

Examines the remarkable diversity of prokaryotes. Physiological, genetic, ecological, and evolutionary characteristics of Bacteria and Archaea divisions are discussed, as well as the relation of phenotype to phylogeny.

Note: Expected to be given in 2009–10.

Prerequisite: Life Sciences 1b (formerly BS 50) and OEB 10 or BS 51, and MCB 52 or equivalent, or permission of instructor.

OEB 223. Topics in Neurogenetics

Catalog Number: 1434

Yun Zhang

Half course (spring term). W., 4–6. EXAM GROUP: 9

Review of current literature related to genetic effects on neural functions including: (1) genetic contributions to mental illness; (2) current understanding of underlying mechanisms of neurodegenerative diseases; (3) genes and behaviors; (4) modulations of neuronal functions by environment and experiences.

Note: The course is primarily planned for new graduate students, but it is also open to interested senior undergraduates who have taken OEB 57 (formerly BS 57) or MCB 80 and obtained permission from the instructor.

OEB 227. Molecular Approaches to Environmental Microbiology

Catalog Number: 4444

Colleen M. Cavanaugh



Half course (spring term). Hours to be arranged.

Critical review and discussion of current advances in our understanding of biodiversity, community structure, and metabolic activities in Bacteria and Archaea resulting from the application of cellular and molecular approaches in diverse environments

Prerequisite: Earth and Planetary Sciences 30 or permission of instructor.

***OEB 230. Speciation - (New Course)**

Catalog Number: 0122

Hopi E. Hoekstra

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This discussion based course covers the latest advances in speciation with a focus on controversial issues and new approaches. The course combines readings from Speciation chapters and the recent primary literature with guest lecturers and discussion from experts in the field.

Prerequisite: Permission of instructor.

***OEB 234. Topics in Marine Biology**

Catalog Number: 4637

Robert M. Woollacott

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Human impacts on marine life and ecosystems of the sea.

Note: Weekly class meeting including several laboratories and demonstrations and one field trip through the course of term.

***OEB 251. Introduction to Vertebrate Surgery**

Catalog Number: 2075 Enrollment: Limited to 16.

Arthur L. Lage (Medical School)

Half course (fall term). W., 1–5. EXAM GROUP: 6, 7, 8, 9

Teaches the basic principles of aseptic surgery with emphasis on practicality. Students learn basic "open" surgery as well as newer high-tech videoscopic minimally invasive technique, obtaining hands-on experience in scrubbing, gowning, and sterile technique while serving as anesthetist and surgeon.

Note: Intended for the student interested in the application of surgical technique in higher studies in biology and related disciplines.

Prerequisite: Comparative anatomy, Life Sciences 2 (or OEB 102), or equivalent course.

[OEB 252. Coalescent Theory]

Catalog Number: 0118

John R. Wakeley

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

The mathematics and computation of ancestral inference in population genetics. Theory relates observable genetic data to factors of evolution such as mutation, genetic drift, migration, natural selection, and population structure.

Note: Expected to be given in 2009–10.

Prerequisite: OEB 152 or permission of instructor: calculus and statistics or probability.



OEB 253r. Evolutionary Genetics Seminar

Catalog Number: 8104

John R. Wakeley

Half course (fall term). W., 1–2:30. EXAM GROUP: 6, 7

Readings and discussion of primary literature in population and evolutionary genetics.

Prerequisite: OEB 152 or consent of instructor.

OEB 255. Nature and Regulation of Marine Ecosystems

Catalog Number: 7753

James J. McCarthy and guest lecturers

Half course (fall term). W., 1–3:30. EXAM GROUP: 6, 7, 8

A presentation of topics that are of current interest in marine ecosystems. Emphasis on identification and quantification of biological and environmental factors important in the regulation of community structure in the intertidal, deep benthic, and planktonic realms.

Prerequisite: OEB 55 (formerly BS 55) and OEB 118.

OEB 261r (formerly Biology 261r). Developmental Mechanisms of Evolutionary Change

Catalog Number: 8451

Arkhat Abzhanov and James Hanken

Half course (spring term). W., 1–2:30.

A graduate seminar course in evolutionary developmental biology. In this course, we will discuss the latest advances in understanding the cellular and molecular developmental mechanisms that underlie important evolutionary phenomena. We will emphasize major evolutionary transitions and the origin of morphological innovations in animal evolution.

Prerequisite: LS 1A and LS 1B or by permission of the instructor.

[OEB 268r. Topics in Plant Developmental Genetics]

Catalog Number: 5020

Elena M. Kramer

Half course (fall term). Hours to be arranged.

This lecture/seminar reviews the literature related to a particular topic plant developmental genetics. Additionally, participants are familiarized with the advantages and pitfalls of molecular techniques, and the process of project design.

Note: Expected to be given in 2009–10.

Prerequisite: OEB 106 and Life Sciences 1b or BS 50, or MCB 52 or by permission of instructor.

OEB 275r. Frontiers of Ecology and Evolutionary Biology

Catalog Number: 5004

Scott V. Edwards and other OEB Faculty

Half course (spring term). M., 1:30–3; lab and discussion W, 1:30–3:30. EXAM GROUP: 6, 7

A survey of the foundations and frontiers of ecology and evolutionary biology, delivered by OEB faculty. Topics covered in lectures and Professor-led sessions focused on paper discussions, debates or computational analysis of evolutionary data.

Prerequisite: OEB53 and a 100-level OEB course or equivalent.



***OEB 276. Models of Development**

Catalog Number: 1448

Jacques Dumais

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

A lecture and discussion course on the modeling of animal and plant development. Topics will include analysis of gene networks, positional signaling, reaction-diffusion systems, mechano-chemistry and tissue mechanics and remodeling. Emphasis will be on models of development that are mechanistic and well supported experimentally.

Prerequisite: Math 1a and b; Math 21a and b recommended, or permission of instructor.

[OEB 278. Ecological Genetics]

Catalog Number: 0732

Anne E. Pringle

Half course (spring term). M., 2–4:30. EXAM GROUP: 7, 8, 9

Ecological genetics explores the adjustments and adaptations of wild populations to their environment. We will use the primary literature to explore how diverse organisms are actually evolving in nature, and challenge the traditional divide between evolution and ecology.

Note: Expected to be given in 2009–10.

[OEB 279. Topics in Microbial Metabolic Systems]

Catalog Number: 4560

Peter R. Girguis and Christopher J. Marx

Half course (fall term). M., 12:30–3. EXAM GROUP: 5, 6, 7

This course covers microbial metabolism, with a focus on quantitative analyses and modeling. Topics will range from cellular biochemical networks to biogeochemical cycling, with an emphasis on integrating the linkages between processes across scales.

Note: Expected to be given in 2009–10.

Prerequisite: Biochemistry or equivalent, or permission of instructor.

***OEB 299r. Forest Practice and Research**

Catalog Number: 6128

David R. Foster

Half course (fall term; repeated spring term). Hours to be arranged.

Field and laboratory research into the history, biology, ecology, culture, and economic problems of local, regional, and world forests. Individual research projects.

Note: Seminars, conferences, field, and laboratory work at the Harvard Forest, Petersham, Massachusetts.

Cross-listed Courses

[Engineering Sciences 216. Biological Dynamics]

***Environmental Science and Public Policy 90e. Conservation Biology**

Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Evolutionary Anatomy

[*Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates]



Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

Life Sciences 2. Evolutionary Human Physiology and Anatomy

Mathematics 153. Mathematical Biology-Evolutionary Dynamics

MCB 291. Genetics, Genomics and Evolutionary Biology - (New Course)

***Neurobiology 95a. Molecular and Cellular Understandings in Learning and Memory**

Graduate Courses of Reading and Research

***OEB 303. Theoretical Population Genetics**

Catalog Number: 4248

John R. Wakeley 5680 (on leave spring term)

***OEB 304. Mycology**

Catalog Number: 4702

Donald H. Pfister 4344

***OEB 305. The Fundamental Interconnectedness of All Things**

Catalog Number: 3647

David A. Haig 1629

***OEB 307. Biomechanics, Physiology and Musculoskeletal Biology**

Catalog Number: 2831

Andrew A. Biewener 1446

***OEB 308. Evolution of Floral Developmental Mechanisms**

Catalog Number: 5535

Elena M. Kramer 3791 (on leave fall term)

***OEB 310. Metazoan Systematics**

Catalog Number: 3975

Gonzalo Giribet 3854

***OEB 311. Ecosystem Ecology**

Catalog Number: 6416

Paul R. Moorcroft 4174

***OEB 313. Paleobiological Approaches to Evolution and Ecology**

Catalog Number: 6679

Charles R. Marshall 2823

***OEB 320. Biomechanics and Evolution of Vertebrates**

Catalog Number: 8915

George V. Lauder 2375



***OEB 323. Advanced Vertebrate Anatomy**

Catalog Number: 8188
Farish A. Jenkins, Jr. 3558

***OEB 324. Molecular Evolution**

Catalog Number: 2356
Daniel L. Hartl 3278

***OEB 325. Marine Biology**

Catalog Number: 4643
Robert M. Woollacott 4135

***OEB 334. Behavioral Ecology**

Catalog Number: 8279
Naomi E. Pierce 2889

***OEB 335. Ichthyology and Functional Anatomy of Fishes**

Catalog Number: 4640
Karel F. Liem 3843

***OEB 339. Whole-Plant Physiology**

Catalog Number: 5214
N. Michele Holbrook 1220

***OEB 341. Coevolution**

Catalog Number: 2998
Brian D. Farrell 1985

***OEB 343. Microbial Ecology and Symbiosis**

Catalog Number: 1288
Colleen M. Cavanaugh 2538

***OEB 345. Biological Oceanography**

Catalog Number: 4676
James J. McCarthy 4343

***OEB 355. Evolutionary Developmental Biology**

Catalog Number: 9192
James Hanken 2719

***OEB 357. Population Biology and Mathematical Biology**

Catalog Number: 5392
William H. Bossert 1049 (on leave fall term)



***OEB 359. Paleobotany**

Catalog Number: 0248

Andrew H. Knoll 7425 (on leave fall term)

***OEB 360. Plant Biophysics**

Catalog Number: 8421

Jacques Dumais 4719

***OEB 361. Somatic Evolution of Cancer**

Catalog Number: 5791

Martin A. Nowak 4568

***OEB 362. Research in Molecular Evolution**

Catalog Number: 2367

Scott V. Edwards 5049

***OEB 363. Plant Diversity and Evolution**

Catalog Number: 0001

Charles C. Davis 5263

***OEB 364. Ecological Physiology of Microbes**

Catalog Number: 0002

Peter R. Girguis 5264

***OEB 365. Evolution of Microbes**

Catalog Number: 0003

Christopher J. Marx 5265

***OEB 366. Ecological Genetics and Mycology**

Catalog Number: 0004

Anne Pringle 5266

***OEB 367. Evolutionary and Ecological Diversity**

Catalog Number: 0420

Jonathan Losos 5449 (on leave spring term)

***OEB 368. Oral Developmental Biology**

Catalog Number: 7087

Arkhat Abzhinov 5597

***OEB 369. Molecular Genetics of Neuroscience**

Catalog Number: 5175

Yun Zhang 5780



***OEB 370. Mammalian Evolutionary Genetics**

Catalog Number: 3072

Hopi E. Hoekstra 5814

***OEB 371. Comparative and Evolutionary Invertebrate Developmental Biology - (New Course)**

Catalog Number: 7188

Cassandra G. Extavour 6035

***OEB 372. Neural Basis of Learned Motor Behaviors - (New Course)**

Catalog Number: 8438

Bence P. Olveczky 6003

***OEB 399. Topics in Organismic and Evolutionary Biology**

Catalog Number: 0764

Colleen M. Cavanaugh 2538

Half course (fall term). W., 5–7 pm.

Presents the research interests and experiences of scientists in organismic and evolutionary biology. Specific topics treated vary from year to year.

Note: Required of all first-year graduate students in Organismic and Evolutionary Biology.

Philosophy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Philosophy

Richard Moran, Brian D. Young Professor of Philosophy (*Chair*)

Selim Berker, Assistant Professor of Philosophy

Matthew Boyle, Assistant Professor of Philosophy

Talbot Marguder Brewer, Visiting Associate Professor of Philosophy (*University of Virginia*)
(*spring term only*)

Cheryl K. Chen, Lecturer on Philosophy

Herman De Dijn, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders (*Catholic University of Leuven*) (*spring term only*)

Matti Eklund, Visiting Associate Professor of Philosophy (*Cornell University*) (*spring term only*)

Peter Godfrey-Smith, Professor of Philosophy

Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic

Edward J. Hall, Professor of Philosophy (*Head Tutor*)



Frances Kamm, Professor of Philosophy (*FAS*) and Littauer Professor of Philosophy and Public Policy (*Kennedy School*)
 Sean D. Kelly, Professor of Philosophy
 Peter Koellner, Associate Professor of Philosophy (*on leave 2008-09*)
 Christine M. Korsgaard, Arthur Kingsley Porter Professor of Philosophy (*Director of Graduate Studies*)
 Douglas Lavin, Assistant Professor of Philosophy
 Mi-kyoung (Mitzi) Lee, Visiting Associate Professor of Philosophy (*University of Colorado at Boulder*) (*spring term only*)
 Jeffrey K. McDonough, Assistant Professor of Philosophy
 Bernhard Nickel, Assistant Professor of Philosophy (*on leave 2008-09*)
 Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity (*on leave 2008-09*)
 Amartya Sen, Lamont University Professor (*on leave spring term*)
 Tommie Shelby, Professor of African and African American Studies and of Philosophy
 Susanna Siegel, Professor of Philosophy (*on leave spring term*)
 Alison Simmons, Samuel H. Wolcott Professor of Philosophy
 Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics

Other Faculty Offering Instruction in Philosophy

Peter L. Galison, Joseph Pellegrino University Professor
 Mathias Risse, Associate Professor of Public Policy and Philosophy (*Kennedy School*)

Primarily for Undergraduates

Philosophy 3. Introduction to the Problems of Philosophy

Catalog Number: 1996

Matthew Boyle

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to the methods of philosophical thinking, focusing on three perennial sources of philosophical puzzlement: the relation between mind and body (What do I refer to when I say "I"? Could I exist without a body?); the possibility of free will (Can we ever really choose freely? Are we responsible for how we choose?); and the nature of time and change (What is time? What is change? Is everything that happens fated to happen?)

Philosophy 7. Introduction to Ancient Philosophy

Catalog Number: 1583

Mi-kyoung (Mitzi) Lee (University of Colorado at Boulder)

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

An introduction to some of the central issues and problems of philosophy through the study of classic Greek and Roman philosophical texts from the Pre-Socratics, Plato, Aristotle, and the Hellenistic philosophers. Topics include the nature of reality, the ways we might come to have knowledge, the good life for human beings, and the problem of determinism and free will.



Philosophy 8. Introduction to Early Modern Philosophy

Catalog Number: 8947

Alison Simmons

Half course (fall term). M., W., (F.), at 12.

A survey of 17th- and 18th-century philosophy with a focus on the major metaphysical and epistemological writings of Descartes, Locke, Hume, and Kant. Topics include the natures of mind and body, the physical world, freedom, and human knowledge. Special attention to the rise of mechanistic science (i.e. the “Scientific Revolution”).

[Philosophy 12. Introduction to the Philosophy of Law]

Catalog Number: 1951

Douglas Lavin

Half course (spring term). Hours to be arranged.

Crime, punishment and responsibility: some questions concerning the criminal law. (i) How, if at all, can criminal punishment be justified? (ii) By what principles or criteria should the criminal law hold people responsible? (iii) What sorts of conduct may the state rightly make criminal?

Note: Expected to be given in 2009–10.

[Philosophy 19. Introduction to Philosophy of Religion]

Catalog Number: 6837

Jeffrey K. McDonough

Half course (spring term). Hours to be arranged.

A study of some central themes in the philosophy of religion, including the relationship between faith and reason, the nature of divine activity and attributes, and the tenability of miracles.

Note: Expected to be given in 2009–10.

***Philosophy 91r. Independent Study - (New Course)**

Catalog Number: 9710

Edward J. Hall

Half course (fall term; repeated spring term). Hours to be arranged.

Graded independent study under faculty supervision. Interested students need approval of head tutor for their topic and must propose a detailed syllabus before the beginning of term.

***Philosophy 97. Tutorial - I**

Catalog Number: 2435

Edward J. Hall

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of all sophomore concentrators, and for the secondary field in philosophy.

***Philosophy 98hf. Tutorial — Junior Year**

Catalog Number: 5533

Edward J. Hall

Half course (throughout the year). Hours to be arranged.

Note: Required of all junior concentrators.



***Philosophy 99. Tutorial — Senior Year**

Catalog Number: 4396

Edward J. Hall and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Cross-listed Courses

Culture and Belief 14. Human Being and the Sacred in the History of the West - (New Course)

Ethical Reasoning 11. Human Rights: A Philosophical Introduction - (New Course)

[Moral Reasoning 33. Issues in Ethics]

Moral Reasoning 56. Self, Freedom, and Existence

[Moral Reasoning 66. Moral Reasoning about Social Protest]

Quantitative Reasoning 22. Deductive Logic

For Undergraduates and Graduates

Philosophy 102. Aristotle

Catalog Number: 8100

Gisela Striker

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to Aristotle's metaphysics and epistemology, with selections from the following works: *Categories*, *Posterior Analytics*, *Physics* books I and II; *On the Soul*, and *Metaphysics*.

[Philosophy 120. The Rationalists]

Catalog Number: 2512

Half course (fall term). Hours to be arranged.

A study of some central topics in the works of Descartes, Spinoza and Leibniz, with primary emphasis on their contributions to metaphysics and epistemology.

Note: Expected to be given in 2009–10.

Philosophy 122. British Empiricism

Catalog Number: 9025

Jeffrey K. McDonough

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A study of the central works of Locke, Berkeley, and Hume with primary emphasis on their contributions to metaphysics and epistemology.

Philosophy 124. Spinoza - (New Course)

Catalog Number: 8960

Herman De Dijn

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

As the title of Spinoza's major work indicates, Spinoza's philosophy is focused on the question of the good life. This question needs a radically new answer in view of the new modern conception of Nature and the place of human beings therein. Spinoza in fact distinguishes three



different kinds of ethics. The study of *Ethica IV and V* will be preceded by a survey of central concepts and topics in Spinoza's metaphysics and philosophical anthropology.

Philosophy 129. Kant's Critique of Pure Reason

Catalog Number: 0614

Matthew Boyle

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

A careful reading of the work that is the cornerstone of Kant's critical system, his first Critique, aiming at a general understanding of the problems that Kant seeks to address, the main tenets of his response, and the significance of the doctrine of "transcendental idealism" that is the upshot of his enterprise. Some attention also to the intellectual context in which Kant wrote, and to influential recent interpretations of his views.

Philosophy 135. Pragmatism

Catalog Number: 7527

Peter Godfrey-Smith

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

A chronological survey of pragmatist thought, focusing on C. S. Peirce, William James, and John Dewey, with some coverage of more recent thinkers such as Richard Rorty and Hilary Putnam.

[Philosophy 137. The Later Philosophy of Wittgenstein]

Catalog Number: 3360

Warren Goldfarb

Half course (spring term). Hours to be arranged.

A close reading of Ludwig Wittgenstein's *Philosophical Investigations*, focusing on its treatments of the topics of meaning, reference, rule-following, cognition, perception, "the private mental realm" knowledge, scepticism, and the nature of philosophy. Attention to Wittgenstein's philosophical methodology, with its claim to dissolve philosophical problems rather than propose solutions to them.

Note: Expected to be given in 2009–10.

***Philosophy 139. Heidegger:Proseminar - (New Course)**

Catalog Number: 4546

Sean D. Kelly

Half course (fall term). W., 4–6. EXAM GROUP: 9

A selection of readings from Martin Heidegger's late work, focusing on his discussion of thinking, gods, works of art and things.

Philosophy 141. Frege, Russell, and the Early Wittgenstein

Catalog Number: 6807

Warren Goldfarb

Half course (fall term). M., W., (F.), at 2. EXAM GROUP: 7

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). M., W., (F.), at 10. EXAM GROUP: 3

Three philosophically important results of modern logic: Gödel's incompleteness theorems; Turing's definition of mechanical computability; Tarski's theory of truth for formalized languages. Discusses both mathematical content and philosophical significance of these results.
Prerequisite: Some knowledge of deductive logic.

Philosophy 148. Philosophy of Mathematics

Catalog Number: 8341

Matti Eklund (Cornell University)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Philosophical issues concerning mathematics, such as: its degree of certainty and necessity, its apparently *a priori* character, the existence and "nature" of basic mathematical objects (numbers, sets), the relation of mathematics and logic, whether classical logic can be called into question.
Prerequisite: Quantitative Reasoning 22 or the equivalent or some background in mathematics.

***Philosophy 149. Foundations of Probability: Proseminar - (New Course)**

Catalog Number: 5669

Edward J. Hall

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Probability is peculiar: its mathematics is well-understood, the interpretation of that mathematics much less so. 50 years after the first serious studies, we have no agreed-upon answers to the fundamental metaphysical and epistemological questions about probability: What kind of thing is it? And how do we know about it? We will aim to answer, definitively, these and other fascinating philosophical questions concerning the nature of uncertainty. Probability of success: low. Expected value of endeavor: high.

Philosophy 152. Philosophy of Biology

Catalog Number: 3367

Peter Godfrey-Smith

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Conceptual issues in evolutionary biology. Topics will include natural selection, biological kinds, and the role of evolution of social behaviors such as cooperation and communication.

Philosophy 156. Philosophy of Mind

Catalog Number: 3410

Sean D. Kelly

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The mind-body problem and proposed solutions to it, including dualism, behaviorism, identity theories, and functionalism. Theories of consciousness, subjective experience, and the mind's representation of the world. Consideration of how recent work in psychology relates to the philosophical debates.



***Philosophy 158q. History of the Unconscious: Proseminar - (New Course)**

Catalog Number: 8247

Alison Simmons

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An investigation of the roles that consciousness and unconsciousness have played in philosophical, psychological and psychiatric treatments of the human mind with particular attention to debates about whether there is any such thing as an unconscious mental life.

Historical and contemporary readings.

Note: Qualifies as an MBB junior seminar.

Philosophy 159. Epistemology

Catalog Number: 5443

Selim Berker

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

An introduction to the field of epistemology. Topics include the analysis of knowledge, the problem of induction, *a priori* knowledge, immediate perceptual justification, foundational vs. coherence views, internalism vs. externalism, naturalized epistemology, and skepticism.

***Philosophy 161. Personal Identity and Self-knowledge: Proseminar**

Catalog Number: 7414

Cheryl K. Chen

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An examination of issues concerning personal identity and self-knowledge. What makes a particular person *you*? What makes you the same person you were five years ago? What is introspection? How does knowledge of your own thoughts and experiences differ from other kinds of knowledge?

Philosophy 164. Metaphysics

Catalog Number: 1480

Edward J. Hall

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Examination of several topics central to contemporary metaphysics: the nature and existence of properties; identity over time; material constitution; possibility and necessity; laws of nature. The course will close with challenges to the idea that legitimate metaphysical inquiry is possible.

[Philosophy 168. Kant's Ethical Theory]

Catalog Number: 8361

Christine M. Korsgaard

Half course (spring term). Hours to be arranged.

A study of Kant's moral philosophy, based primarily on the *Groundwork of Metaphysics of Morals*, the *Critique of Practical Reason*, and *The Metaphysics of Morals*.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core requirement for Moral Reasoning.

Philosophy 171z. Global Justice - (New Course)

Catalog Number: 1255



Mathias Risse (Kennedy School)

Half course (spring term). Tu., Th., at 10; Th., at 9. EXAM GROUP: 12

This course examines contemporary debates about global justice. Questions include: Does it make sense to speak of 'justice' in the global context? Does the global order harm the poor? Do we have special obligations to compatriots? What obligations do we have to the distant needy? Does morality demand that rich countries allow for more immigration? Are there obligations that arise from trading? What is the role of human rights? Why would people have them?

Philosophy 173. Metaethics

Catalog Number: 3541

Selim Berker

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

A close examination of three metaethical views that take a deflationary approach toward the moral domain: moral nihilism, moral relativism, and moral expressivism.

Note: This course, when taken for a letter grade, meets the Core requirement for Moral Reasoning.

Philosophy 175. Ethical Theory

Catalog Number: 1108

Talbot Marguder Brewer (University of Virginia)

Half course (spring term). Tu., Th., at 9. EXAM GROUP: 11

An inquiry into competing ideas of morality and its relation to the good life, with special attention to the views of virtue ethicists, utilitarians and Kantians. Among the questions to be considered are: Do contemporary conceptions of morality leave sufficient elbow room for personal loves and ideals? Can we be held responsible for unchosen elements of our character? Are there "morally tragic" cases in which we will do wrong no matter what we choose?

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Philosophy 179. Race and Social Justice - (New Course)

Catalog Number: 6665

Tommie Shelby

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Critically examines recent philosophical work on questions of racial justice: What is racism? What makes racial discrimination wrong? Are reparations owed for past racial injustices? Is racial profiling ever justified? Under what conditions should we regard racial disparities (e.g., in wealth or employment) as unjust? Should government foster racial integration in schools and neighborhoods? Is affirmative action unfair? Is a just society a "color-blind" society?

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Cross-listed Courses

African and African American Studies 128. Black Nationalism

African and African American Studies 130. W. E. B. Du Bois: Social and Political Writings

Classical Studies 165. Ancient Medicine - (New Course)



Government 1052. History and Freedom in German Idealism

Greek 110r. Plato, *Gorgias*

History of Science 117. Science, Philosophy, and Religion in Late Antiquity and the Middle Ages - (New Course)

Mathematics 141. Introduction to Mathematical Logic

Mathematics 144. Model Theory and Algebra

Primarily for Graduates

***Philosophy 207. Aristotle on Justice: Seminar - (New Course)**

Catalog Number: 9702

Gisela Striker

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A detailed study of the books on justice in Aristotle's *Ethics* (*Nicomachean Ethics* bk V) and *Politics* (bk III).

***Philosophy 237. Wittgenstein: Seminar - (New Course)**

Catalog Number: 4165

Warren Goldfarb

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Issues in philosophy of logic, philosophy of mathematics, and philosophy of mind in the *Tractatus* and the *Philosophical Investigations*. Attention to metaphilosophical questions, particularly concerning continuities between Wittgenstein's early and later views.

***Philosophy 238. Topics in Intersubjectivity: Seminar - (New Course)**

Catalog Number: 9194

Douglas Lavin and Richard Moran

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

An investigation of various relations of "mutual recognition" -- promising, wronging, telling, loving, humiliating, etc. What are their preconditions? What does standing in them reveal about ourselves? Authors include Rousseau, Sartre, Grice, Lovejoy, Williams, Rawls, Darwall.

***Philosophy 249w. Tools, Instruments, and Extended Cognition: Seminar - (New Course)**

Catalog Number: 6743

Peter Godfrey-Smith and Peter L. Galison

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examination of the relation between external tools and cognition. Can the boundaries of a thinking agent extend beyond the skin? Perspectives from philosophy of mind and history of science, including Clark, Wilson, Galison and others.

***Philosophy 251. Empirical Content: Seminar - (New Course)**

Catalog Number: 5161

Cheryl K. Chen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of philosophical theories about the relation between thought and perceptual



experience. Topics will include: concept empiricism, perceptual content and phenomenal concepts.

***Philosophy 263. Metaontology: Seminar - (New Course)**

Catalog Number: 0874

Matti Eklund (Cornell University)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The seminar will cover various approaches to the enterprise of ontology. Among authors we will read are Carnap, Quine, Putnam, Wright, Sider, and Hirsch.

***Philosophy 267. Ethics and Action: Seminar - (New Course)**

Catalog Number: 2329

Matthew Boyle and Douglas Lavin

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

An examination of connections between theorizing about the nature of action and theorizing about the proper form of systematic ethics. Special attention to contemporary Aristotelian approaches, with some consideration for Humean, Kantian, and Rationalist alternatives.

***Philosophy 268z. Contemporary Kantian Ethical Theory: Seminar - (New Course)**

Catalog Number: 6948

Christine M. Korsgaard

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

A study of some important recent work on Kant's ethics and Kantian ethics by Thomas Hill, Jr., Andrews Reath, Arthur Ripstein, Stephen Engstrom, and Barbara Herman, all of whom will visit the seminar.

***Philosophy 274. Philosophy of Action: Seminar**

Catalog Number: 9583

Christine M. Korsgaard

Half course (spring term). F., 3–5. EXAM GROUP: 8, 9

A study of some important recent work in the philosophy of action by Gary Watson, Jennifer Hornsby, Michael Bratman, Brian O'Shaughnessy, and John McDowell, all of whom will visit the seminar.

***Philosophy 276x. Bioethics: Seminar - (New Course)**

Catalog Number: 3452

Frances Kamm (Kennedy School)

Half course (spring term). Tu., 5–7 p.m.

Philosophical discussion of selected issues in bioethics, such as allocation of scarce resources, equity in healthcare, death, euthanasia and assisted suicide, abortion, embryonic stem cell research. Readings primarily from contemporary philosophical sources.

Note: Offered jointly with the Harvard Kennedy School of Government as LAW-90335A.

***Philosophy 278x. Virtue Ethics: Seminar - (New Course)**

Catalog Number: 0288

Talbot Marguder Brewer (University of Virginia)



Half course (spring term). W., 4–6. EXAM GROUP: 9

A survey of key works in contemporary virtue ethics, with special attention to the distinction between works that address established issues of philosophical ethics and those that call these guiding issues into question.

Philosophy 290. Probability (Graduate Seminar in General Education) - (New Course)

Catalog Number: 0376

Edward J. Hall and Andrew W. Murray

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

This course will emphasize conceptual foundations and characteristic errors we humans fall into when trying to reason "probabilistically". Beginning with an examination of what "probability" means, and the various reasons why this notion must be distinguished from the notion of statistical frequency, the bulk of the course will take up various pernicious fallacies in "probabilistic thinking." The seminar will design and develop a General Education course on these themes for undergraduates.

***Philosophy 299hf. Individual Supervision**

Catalog Number: 8076

Christine M. Korsgaard and members of the Department

Half course (throughout the year). Hours to be arranged.

Note: Required of candidates for the AM or PhD in Philosophy. Consult the Department's Supplement to the General Announcement for details.

Cross-listed Courses

Classical Philology 240. Aristotle, *Parva Naturalia* - (New Course)

Economics 2054. Social Choice and Welfare Economics

***Government 2057. Religion in a Secular Age - (New Course)**

***History of Science 207r. William of Ockham and the Rise of 14th-century Nominalism: Seminar - (New Course)**

[History of Science 297r. Topics in the History of Medieval Latin Science]

Graduate Courses of Reading and Research

***Philosophy 300a. Colloquium**

Catalog Number: 5615

Edward J. Hall 5324 and Alison Simmons 1300

Half course (fall term). M., 3–5.

An intensive study—in small, informal seminars—of selected problems in contemporary philosophy.

Note: Limited to first-year graduate students in the Department.

***Philosophy 300b. Colloquium**

Catalog Number: 6280

Douglas Lavin 5091



Half course (spring term). Hours to be arranged.
Continuation of Philosophy 300a.

***Philosophy 303. Colloquium: Dissertation Presentations**

Catalog Number: 1089

Susanna Siegel 2441 (on leave spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 305. Individual Reading and Research**

Catalog Number: 4462

Selim Berker 5514, Matthew Boyle 5279, Talbot Marguder Brewer (University of Virginia) 6017 (spring term only), Matti Eklund (Cornell University) 6020 (spring term only), Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324, Frances Kamm (Kennedy School) 4280, Sean D. Kelly 5515, Peter Koellner 4680 (on leave 2008-09), Christine M. Korsgaard 2994, Douglas Lavin 5091, Mi-kyoung (Mitzi) Lee (University of Colorado at Boulder) 6021 (spring term only), Jeffrey K. McDonough 5280, Richard Moran 1786, Bernhard Nickel 5516 (on leave 2008-09), Thomas M. Scanlon, Jr. 7986 (on leave 2008-09), Amartya Sen 1705 (on leave spring term), Tommie Shelby 3863, Susanna Siegel 2441 (on leave spring term), Alison Simmons 1300, and Gisela Striker 2271

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 310. Research Seminars**

Catalog Number: 4465

Selim Berker 5514, Matthew Boyle 5279, Talbot Marguder Brewer (University of Virginia) 6017 (spring term only), Matti Eklund (Cornell University) 6020 (spring term only), Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324, Frances Kamm (Kennedy School) 4280, Sean D. Kelly 5515, Peter Koellner 4680 (on leave 2008-09), Christine M. Korsgaard 2994, Douglas Lavin 5091, Mi-kyoung (Mitzi) Lee (University of Colorado at Boulder) 6021 (spring term only), Jeffrey K. McDonough 5280, Richard Moran 1786, Bernhard Nickel 5516 (on leave 2008-09), Thomas M. Scanlon, Jr. 7986 (on leave 2008-09), Amartya Sen 1705 (on leave spring term), Tommie Shelby 3863, Susanna Siegel 2441 (on leave spring term), Alison Simmons 1300, and Gisela Striker 2271

Small seminars on specialized topics, arranged by members of the Department in consultation with suitably prepared graduate students. Seminars will be listed individually with numbers from 311 through 398.

***Philosophy 311. Workshop in Moral and Political Philosophy**

Catalog Number: 5370

Selim Berker 5514 and Douglas Lavin 5091

Half course (fall term; repeated spring term). M., 4–6.

A forum for the presentation and discussion of work in progress by students in moral and political philosophy. Open only to graduate students in the Philosophy Department or by invitation of the instructors.

***Philosophy 312. Workshop in Metaphysics and Epistemology**

Catalog Number: 0576



Matthew Boyle 5279 and Peter Godfrey-Smith 3338

Half course (fall term; repeated spring term). M., 4–6.

A forum for the presentation and discussion of work in progress by students in metaphysics and epistemology. Open only to graduate students in the Philosophy Department or by invitation of the instructors.

***Philosophy 315hf. Instructional Styles in Philosophy - (New Course)**

Catalog Number: 9781

Gisela Striker 2271 and Members of the Department

Half course (throughout the year). Hours to be arranged.

Course is required for graduate students in their first year of teaching; optional for students in their second year of teaching.

***Philosophy 333. Preparation for the Topical Examination**

Catalog Number: 1967

Selim Berker 5514, Matthew Boyle 5279, Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324, Frances Kamm (Kennedy School) 4280, Sean D. Kelly 5515, Peter Koellner 4680 (on leave 2008-09), Christine M. Korsgaard 2994, Douglas Lavin 5091, Jeffrey K. McDonough 5280, Richard Moran 1786, Bernhard Nickel 5516 (on leave 2008-09), Thomas M. Scanlon, Jr. 7986 (on leave 2008-09), Amartya Sen 1705 (on leave spring term), Tommie Shelby 3863, Susanna Siegel 2441 (on leave spring term), Alison Simmons 1300, and Gisela Striker 2271

Required in both fall and spring terms of all third-year graduate students in the Department.

***Philosophy 399. Direction of Doctoral Dissertations**

Catalog Number: 3283

Selim Berker 5514, Matthew Boyle 5279, Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324, Frances Kamm (Kennedy School) 4280, Sean D. Kelly 5515, Peter Koellner 4680 (on leave 2008-09), Christine M. Korsgaard 2994, Douglas Lavin 5091, Jeffrey K. McDonough 5280, Richard Moran 1786, Bernhard Nickel 5516 (on leave 2008-09), Thomas M. Scanlon, Jr. 7986 (on leave 2008-09), Amartya Sen 1705 (on leave spring term), Tommie Shelby 3863, Susanna Siegel 2441 (on leave spring term), Alison Simmons 1300, and Gisela Striker 2271

Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Physics



Christopher Stubbs, Professor of Physics and of Astronomy (*Chair*)
 Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology
 Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics
 Eugene A. Demler, Professor of Physics
 Frederik Denef, Associate Professor of Physics
 John M. Doyle, Professor of Physics
 Gary J. Feldman, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)
 Melissa Franklin, Mallinckrodt Professor of Physics (*Director of Graduate Studies*)
 Gerald Gabrielse, George Vasmer Leverett Professor of Physics
 Peter L. Galison, Joseph Pellegrino University Professor
 Howard Georgi, Harvard College Professor and Mallinckrodt Professor of Physics (*Director of Undergraduate Studies*)
 Roy J. Glauber, Mallinckrodt Professor of Physics
 Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
 Markus Greiner, Assistant Professor of Physics
 Joao Pedro Guimaraes Da Costa, Assistant Professor of Physics
 Bertrand I. Halperin, Hollis Professor of Mathematicks and Natural Philosophy
 Lene V. Hau, Mallinckrodt Professor of Physics and of Applied Physics
 Thomas C. Hayes, Lecturer on Physics
 Eric J. Heller, Professor of Chemistry and Physics
 Jennifer E. Hoffman, Assistant Professor of Physics
 Paul Horowitz, Professor of Physics and of Electrical Engineering
 John Huth, Donner Professor of Science
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science (*on leave spring term*)
 Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
 Mikhail D. Lukin, Professor of Physics (*on leave spring term*)
 Vinothan N. Manoharan, Assistant Professor of Physics and Chemical Engineering
 Charles M. Marcus, Professor of Physics
 Eric Mazur, Gordon McKay Professor of Applied Physics and Professor of Physics
 Masahiro Morii, Professor of Physics (*on leave fall term*)
 David J. Morin, Lecturer on Physics (*Assistant Director of Undergraduate Studies*)
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics
 David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
 Peter S. Pershan, Frank B. Baird, Jr. Professor of Science (*on leave spring term*)
 Mara Prentiss, Mallinckrodt Professor of Physics
 Lisa Randall, Professor of Physics (*on leave spring term*)
 Subir Sachdev, Professor of Physics
 Aravinthan D. T. Samuel, Associate Professor of Physics
 Matthew D. Schwartz, Assistant Professor of Physics
 Irwin I. Shapiro, Timken University Professor
 Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences



Andrew Strominger, Professor of Physics (*on leave 2008-09*)
Cumrun Vafa, Donner Professor of Science
Ronald L. Walsworth, Senior Lecturer on Physics
David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics (*on leave 2008-09*)
Robert M. Westervelt, Mallinckrodt Professor of Applied Physics and of Physics
Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)
Amir Yacoby, Professor of Physics
Xi Yin, Assistant Professor of Physics
Matias Zaldarriaga, Professor of Astronomy and of Physics
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Physics

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry
Gerald Holton, Mallinckrodt Research Professor of Physics and Research Professor of the History of Science
Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*)
Logan S. McCarty, Lecturer on Chemistry and Chemical Biology
George M. Whitesides, Woodford L. and Ann A. Flowers University Professor

There are three separate calculus-based sequences of courses covering introductory physics: Physical Sciences 1, 2, and 3 and Physics 11a, 11b, or at the intermediate calculus level, Physics 15a, 15b, 15c. Each of the three sequences is designed to be a self-contained treatment of classical physics.

Students who expect to concentrate in physics or one of the other sciences in which physics plays a major role will usually take the Physics 15 sequence followed by Physics 143a, b. Students with excellent high-school preparation may begin the Physics 15 sequence taking Physics 16 instead of Physics 15a. Physics 16 is a course in mechanics and special relativity specifically designed for students who have done well in a high-school advanced placement course.

Physical Sciences 1, 2, and 3 present an introductory treatment of college physics and chemistry in 3 semesters. The courses will be thematically driven, with the themes being related to major societal issues and/or biological systems where appropriate. The Physical Sciences sequence is designed to meet 2 semesters of the physics as well as 1 semester of the chemistry required by all medical schools, and is intended to teach physical concepts in a way that is immediately relevant to students in the life sciences.

Most medical schools also accept the Physics 15 or Physics 11 sequences. Premedical students should inquire at the medical schools to which they expect to apply. Students who do not intend to take advanced courses in the mathematical sciences, and especially those concentrating in biology or biochemistry, may find that the Physical Sciences 1, 2, and 3 sequence covers a broader range of subject matter, and might more appropriately serve their needs than Physics 11a and 11b.



Further details may be found under the individual course headings.

Primarily for Undergraduates

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences

Catalog Number: 2225

James G. Anderson and Efthimios Kaxiras

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Physical Sciences 1 engages the principles of chemistry and physics within major conceptual themes that underpin critical contributions of the physical sciences to societal objectives. In particular, the concepts central to chemical bonding, kinetic theory of molecular motion, thermochemistry, kinetics, equilibria, entropy and free energy, acids and bases, electrochemistry, and nuclear chemistry will be taught in the context of (1) world energy sources, forecasts and constraints, (2) global climate change, and (3) modern materials and technology.

Note: This course is part of an integrated introduction to the physical science intended for students who plan to pursue a concentration in the physical or life sciences and/or satisfy pre-medical requirements in Chemistry. May not be counted toward a degree in addition to the former Chemistry 7. This course, when taken for a letter grade, meets the Core area requirement for Science A. Students interested in Physical Sciences 1 should take the Chemistry Placement Exam.

Prerequisite: A few operations of calculus are developed and used. Fluency in pre-calculus secondary school mathematics is assumed. Students are expected to have AP or honors level high school chemistry, or have completed Life and Physical Sciences A (LPS A) with a satisfactory grade.

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion

Catalog Number: 6053

Logan S. McCarty and Vinothan N. Manoharan

Half course (fall term). Tu., Th., 9:30–11, and a weekly section and lab to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids, from proteins to planets. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problems set questions will be drawn from the life sciences and medicine.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Waves, Imaging, and Information

Catalog Number: 5262

John Huth, Logan S. McCarty, and George M. Whitesides

Half course (spring term). Tu., Th., 9:30–11, and a weekly section and lab to be arranged. EXAM GROUP: 11, 12

This course is an introduction to light and sound waves, electromagnetism, and information. Case studies in Physical Science 3 will emphasize biological systems. Topics covered include:



wave propagation in various media, imaging techniques of relevance to biological applications, electric fields, magnetic fields, electric forces, electrical circuits, and the transmission and processing of information in electronic and biological systems.

Note: This course is part of an integrated introduction to the physical sciences intended for students who plan to pursue a concentration in the life sciences and/or satisfy pre-medical requirements in Physics. May not ordinarily be taken for credit in addition to Physics 1b, 11b, or 15b. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 2 (or Physics 1a or 11a), Mathematics 1b, or equivalent.

Physics 11a. Mechanics

Catalog Number: 3131

Isaac F. Silvera and Joao Pedro Guimaraes Da Costa

Half course (fall term). Tu., Th., 11:30–1; and a weekly 90-minute section to be arranged.

EXAM GROUP: 13, 14

Physics 11a is the first half of a one-year physics sequence. It introduces classical mechanics, including the laws of conservation of energy, momentum, and angular momentum; translational motion of particles, rigid bodies, and fluids; rotational motion of rigid bodies; and description of waves. Physics 11a may be taken by students who have taken or who are concurrently taking Mathematics 21a or 23a or Applied Mathematics 21a. Calculus is used routinely but the emphasis is placed on the basic concepts.

Note: Physics 11a may not be taken for credit by students who have passed Physics 15a or 16.

This course, when taken for a letter grade, meets the Core area requirement for Science A.

Physics 11b. Electricity, Magnetism, and Waves

Catalog Number: 5472

Charles M. Marcus and Markus Greiner

Half course (spring term). Tu., Th., 9:30–11. EXAM GROUP: 11, 12

Physics 11b is the second half of a one-year physics sequence. It covers the basic phenomena of electricity and magnetism, elements of circuits with selected applications, Maxwell's equations, electromagnetic waves, and a brief introduction to quantum physics.

Note: May not be taken for credit by students who have passed Physics 15b or Physics 15c. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 11a; Mathematics 21a or 23a.

Physics 15a. Introductory Mechanics and Relativity

Catalog Number: 1984

David J. Morin and Aravinthan Samuel (fall term) and Aravinthan Samuel (spring term)

Half course (fall term; repeated spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Newtonian mechanics and special relativity. Topics include vectors; kinematics in three dimensions; Newton's laws; force, work, power; conservative forces, potential energy; momentum, collisions; rotational motion, angular momentum, torque; static equilibrium, oscillations, simple harmonic motions; gravitation, planetary motion; fluids; special relativity.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A. Laboratory sessions may be arranged.

Prerequisite: Mathematics preparation at least at the level of Mathematics 1b concurrently is



required. However, some elementary ideas from multivariable calculus may be used and students are encouraged to take Mathematics 21a concurrently.

Physics 15b. Introductory Electromagnetism

Catalog Number: 2701

Frederik Denef and Joao Guimaraes Da Costa (fall term), and Masahiro Morii and Mara Prentiss (spring term)

Half course (fall term; repeated spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Electricity and magnetism at the level of Purcell's book. Covers all topics in Purcell including Maxwell's equations in differential form and electric and magnetic fields in materials.

Note: Laboratory experiments associated with the class will be done in the Science Center. There are four labs requiring three hours each, and one introductory laboratory session that is less than one hour. The labs support the material presented in the lectures and the text. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 15a, Physics 16, or written permission of the Head Tutor in Physics.

Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Vector calculus, div, grad and curl are used extensively—in principle, this is taught in the course. Students taking Mathematics 21a concurrently will likely find that some concepts are introduced in Physics 15b before they have seen them in Mathematics 21a. Some students may wish to postpone Physics 15b until they have completed Mathematics 21a.

Physics 15c. Wave Phenomena

Catalog Number: 8676

Jennifer E. Hoffman (fall term) and David J. Morin (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Forced oscillation and resonance; coupled oscillators and normal modes; Fourier series; Electromagnetic waves, radiation, longitudinal oscillations, sound; traveling waves; signals, wave packets and group velocity; two- and three-dimensional waves; polarization; geometrical and physical optics; interference and diffraction. Optional topics: Water waves, holography, x-ray crystallography. Solitons.

Note: The Laboratory section of the course will be taught at the Science Center. The labs will be carried out in 3-hour sessions once a week for up to 8 weeks during the semester. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 15a, Physics 15b, or written permission of the Head Tutor in Physics.

Mathematics preparation at least at the level of Mathematics 21b taken concurrently is required. Some prior knowledge of complex numbers (for example as taught in Mathematics 1b) is helpful. Linear algebra and differential equations are used extensively. Students taking Mathematics 21b concurrently will likely find that some concepts are introduced in Physics 15c before they have seen them in Mathematics 21b. Some students may wish to postpone Physics 15c until they have completed Mathematics 21b.

Physics 16. Mechanics and Special Relativity

Catalog Number: 2019

Howard Georgi

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Newtonian mechanics and special relativity for students with good preparation in physics and



mathematics at the level of the advanced placement curriculum. Topics include an introduction to Lagrangian mechanics, Noether's theorem, special relativity, collisions and scattering, rotational motion, angular momentum, torque, the moment of inertia tensor, oscillators damped and driven, gravitation, planetary motion, and an introduction to cosmology.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A. Laboratory sessions may be arranged.

Prerequisite: Score of 5 on the mechanics section of the Physics C Advanced Placement exam, or equivalent. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Thorough knowledge of calculus of one variable and vectors plus some mathematical sophistication. The mathematical level will be significantly higher than that of Physics 15a.

Physics 81 (formerly Physics 17). Exploratory Physics Lab

Catalog Number: 2930 Enrollment: Limited to 18.

Amir Yacoby, Charles M. Marcus (fall term), and Amir Yacoby

Half course (fall term; repeated spring term). W., F., 2–5, includes one-hour weekly tutorial.

EXAM GROUP: 7, 8, 9

The exploratory physics lab teaches students how to investigate physical phenomena from an experimental standpoint. During the lab, students are required to make hypotheses about the underlying physics behind the phenomena and then experimentally test the validity of their hypotheses. During each experiment the students are required to identify the relevant experimental variables, suggest ways to measure them and implement these ideas in the lab. The lab is set up to enable students to follow their individual creativity and initiative in their experimental endeavor.

Note: Students explore at most three or four phenomena. Topics include mechanics, electromagnetism, buoyancy, surface tension and more. The experiments are chosen to match the student's background level in physics and math.

Prerequisite: Physics 15a or 16 and preferably concurrent with Physics 15b.

***Physics 90r. Supervised Research**

Catalog Number: 2460

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Primarily for selected concentrators in Physics, or in Chemistry and Physics, who have obtained honor grades in Physics 15 and a number of intermediate-level courses. The student must be accepted by some member of the faculty doing research in the student's field of interest. The form of the research depends on the student's interest and experience, the nature of the particular field of physics, and facilities and support available. Students wishing to write a senior thesis can do so by arranging for a sponsor and enrolling in this course. A list of possible faculty sponsors and their fields is available in Lyman 233 and on the Physics Department Web page. Course enrollment forms may be obtained from Lyman 233.

***Physics 91r. Supervised Reading Course for Undergraduates**

Catalog Number: 1218

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.



Note: Open to selected concentrators in Physics, Chemistry and Physics, and other fields who wish to do supervised reading and studying of special topics in physics. Ordinarily such topics do not include those covered in a regular course of the Department. Honor grades in Physics 15 and a number of intermediate-level courses are ordinarily required. The student must be accepted by a member of the faculty. A list of possible faculty sponsors and their fields is available in Lyman 233 and on the Physics Department's website. Course enrollment forms may be obtained from Lyman 233.

***Physics 95. Topics in Current Research**

Catalog Number: 2806 Enrollment: Limited to 10.

Eric Mazur

Half course (fall term). Tu., 6–8 p.m. EXAM GROUP: 18

The goal of this tutorial is to guide students from learning physics by subject (E&M, quantum mechanics, etc.) to appreciating physics as an intense, diverse discipline of modern research. Every Wednesday evening a faculty member speaks on his/her area of research, preceded by assigned reading and a lecture designed to introduce students to some of the basic physics, as well as important developments and burning problems at the frontiers of research.

Note: Primarily for junior and senior concentrators.

Cross-listed Courses

Science A-29. The Nature of Light and Matter

[Science A-39. Time]

Science A-49. The Physics of Music and Sound

For Undergraduates and Graduates

Certain physics courses are offered in several other departments. See especially the offerings of the Division of Engineering and Applied Sciences.

[Physics 120 (formerly Physics 121). History and Philosophy of Modern Physics]

Catalog Number: 0160

Peter L. Galison

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Philosophical questions raised by historical developments in 20th and 21st century physics, and conversely, historical-scientific questions raised by philosophical inquiry. Special and general relativity. Issues in quantum mechanics surrounding causality, determinism, realism, and probabilism. Atomic and thermonuclear weapons. Growth of large-scale experimental high-energy physics. What is meant by "unified" field theories? Is a reductionist theory of nature possible? Rise of string theory and nanosciences. Readings: scientific, historical, and philosophical texts.

Note: Expected to be given in 2009–10. May not be taken for credit by students who have taken History of Science 120.

Prerequisite: An introductory course in college physics, preferably at the level of Physics 15c.



Physics 123. Laboratory Electronics

Catalog Number: 0864 Enrollment: Limited to 22 students per section.

Paul Horowitz and Thomas C. Hayes

Half course (fall term; repeated spring term). Section I: Tu., Th., 1:30-5; Section II: W., F., 1:30-5. EXAM GROUP: 6, 7, 8

A lab-intensive introduction to electronic circuit design. Develops circuit intuition and debugging skills through daily hands-on lab exercises, each preceded by class discussion, with minimal use of mathematics and physics. Moves quickly from passive circuits, to discrete transistors, then concentrates on operational amplifiers, used to make a variety of circuits including integrators, oscillators, regulators, and filters. The digital half of the course treats analog-digital interfacing, emphasizes the use of microcontrollers and programmable logic devices (PLDs).

Note: Regardless of section choice, all students must attend first course meeting on 9/16/08 or 1/28/09 at 1:30 in Science Center 206.

Physics 125. Widely Applied Physics

Catalog Number: 6990

John M. Doyle

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Applies elementary physics to real things and practical situations. Emphasis is on developing physical intuition and the ability to do order-of-magnitude calculations. New physical concepts are introduced as necessary. Example topics: the Big Bang, stars, nuclear reactions, and searches for extra-solar planets; aerodynamics, rockets and spacecraft; materials properties; electronic noise, lasers, and the global positioning system; magnetic resonance imaging, physiology of major organs, and health risks; energy use and production; climate and global change.

Prerequisite: Physics 15a, b, c, and mathematics at the level of Mathematics 21a (which may be taken concurrently). Physics 143a and 181 helpful, but not required.

Physics 136. Physics of NMR Imaging with Medical Applications (formerly Physics of Medical Imaging)

Catalog Number: 0182

Andrew J. M. Kiruluta (Medical School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Presents the physics of spin excitation and manipulation in nuclear magnetic resonance (NMR) experiments with extensions to tomographic medical imaging and biochemical spectroscopy. We explore the principles underlying the imaging of static spins via k-space and of dynamic spins (diffusion and flow) via q-space in NMR microscopy. The principles developed in this course are of importance in fundamental biological and physical sciences research, as well as in medical imaging applications, both anatomical and functional.

Prerequisite: Physics 15b or 11b and mathematics preparation at least to the level of Mathematics 21b taken concurrently. Physics 143a and b are recommended but not essential.

[Physics 140. Introduction to Biophysics]

Catalog Number: 5394

Howard C. Berg and Aravinthan D. T. Samuel

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17



An introduction to the physics and biology of stochastic processes that affect the behavior of cells, biopolymers and biological motors. Elements of probability and statistics, entropic elasticity, the random walk, diffusion, sedimentation and electrophoresis. Applications to sensory physiology, cell motility, stretching and twisting of DNA and the motion of motors along biopolymers.

Note: Expected to be given in 2009–10. Given in alternate years. Lectures, problem sets, discussions. May not be taken for credit by students who have taken MCB 140.

Prerequisite: Mathematics at the level of 21a, Physics 15a, b or Physics 11a, b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.

[Physics 141. The Physics of Sensory Systems in Biology]

Catalog Number: 1284

Half course (spring term). Hours to be arranged.

Living organisms use sensory systems to inform themselves of the sights, sounds, and smells of their surrounding environments. Sensory systems are physical measuring devices, and are therefore subject to certain limits imposed by physics. Here we will consider the physics of sensory measurement and perception, and study ways that biological systems have solved their underlying physical problems. We will discuss specific cases in vision, olfaction, and hearing from a physicist's point of view.

Note: Expected to be given in 2009–10.

Prerequisite: Physics 11a,b or 15 a,b,c required. Physics 181 recommended, but not required.

Physics 143a. Quantum Mechanics I

Catalog Number: 1050

Gerald Gabrielse (spring term) and Cumrun Vafa (fall term)

Half course (fall term; repeated spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to nonrelativistic quantum mechanics: uncertainty relations; Schrödinger equation; Dirac notation; matrix mechanics; one-dimensional problems including particle in box, tunneling, and harmonic oscillator; angular momentum, hydrogen atom, spin, Pauli principle; time-independent perturbation theory; scattering.

Prerequisite: Linear algebra including matrix diagonalization; Physics 15c or written permission of the Head Tutor.

Physics 143b. Quantum Mechanics II

Catalog Number: 0253

Lene V. Hau

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced topics in quantum mechanics, including quantum statistics, Bose-Einstein condensation, time-dependent problems, interaction of quantum systems with lasers, quantization of the radiation field, emission and absorption of radiation, collision theory, measurement theory, Bell's inequality, entanglement and quantum teleportation, and introduction to quantum computing.

Prerequisite: Physics 143a.

**Physics 145. Elementary Particle Physics**

Catalog Number: 6057

Joao Pedro Guimaraes Da Costa

Half course (spring term). Lecture meets M., W., (F.,) at 10; seminars and sections Tu., Th., 7:30–9 pm, as needed. EXAM GROUP: 3

Introduction to elementary particle physics. Emphasis is on concepts and phenomenology rather than on a detailed calculational development of theories. Starts with the discovery of the electron in 1897, ends with the theoretical motivation for the Higg's boson, and attempts to cover everything important in between. Taught partly in seminar mode, with each student presenting a classic paper of the field.

Prerequisite: Physics 143a. Physics 143b or equivalent is useful.

Physics 151. Mechanics

Catalog Number: 2068

Tai T. Wu

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Fundamental ideas of classical mechanics including contact with modern work and applications. Topics include Lagrange's equations, the role of variational principles, symmetry and conservation laws, Hamilton's equations, Hamilton-Jacobi theory and phase space dynamics. Applications to celestial mechanics, quantum mechanics, the theory of small oscillations and classical fields, and nonlinear oscillations, including chaotic systems presented.

Note: May not be taken for credit in addition to Engineering Sciences 125.

Prerequisite: Physics 15a, b or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

Physics 153. Electrodynamics

Catalog Number: 0264

Jennifer E. Hoffman

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Aimed at advanced undergraduates. Emphasis on the properties and sources of the electromagnetic fields and on the wave aspects of the fields. Course starts with electrostatics and subsequently develops the Maxwell equations. Topics: electrostatics, dielectrics, magnetostatics, electrodynamics, radiation, wave propagation in various media, wave optics, diffraction and interference. A number of applications of electrodynamics and optics in modern physics are discussed.

Prerequisite: Physics 15 a, b, and c, or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

Physics 167. Condensed Matter Physics of Modern Technologies

Catalog Number: 4654

Eugene A. Demler

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course will explore how recent developments in condensed matter physics are expanding the frontiers of modern technologies. We will review semiconducting, magneto- and optoelectronic devices, magnetoresistive materials, carbon nanotubes, and high temperature superconductors. Technologies in the earliest stages of their development, such as



nanotechnology, quantum computations and communication, will also be discussed.

Prerequisite: Quantum mechanics (Physics 143a).

Physics 175. Quantum Electronics and Modern Optics

Catalog Number: 9076

Markus Greiner

Half course (fall term). W., F., 1:30–3. EXAM GROUP: 6, 7

Introduction to quantum electronics (laser physics) and modern optical physics aimed at advanced undergraduates. Review of electromagnetic theory and relevant aspects of quantum mechanics. Wave nature of light. Physics of basic optical elements. Propagation of focused beams, optical resonators, dielectric waveguides. Interaction of light with matter. Lasers. Physics of specific laser systems. Introduction to nonlinear optics. Modern applications.

Prerequisite: Physics 15b, 15c, 143a, or permission of the instructor.

Physics 181. Statistical Mechanics and Thermodynamics

Catalog Number: 6346

Bertrand I. Halperin

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to thermal physics: basic concepts of thermodynamics (energy, heat, work, temperature, and entropy), classical and quantum ensembles and their origins, and distribution functions. Applications include Debye's theory of solids, Planck's theory of black body radiation, classical and quantum gases, magnetism and phase transitions.

Note: May not be taken for credit in addition to Engineering Sciences 181.

Prerequisite: Physics 143a or equivalent.

***Physics 191r. Advanced Laboratory**

Catalog Number: 7711 Enrollment: Together with Physics 247r, limited to a total of 24 students.

Peter S. Pershan and Ronald L. Walsworth (fall term), and Isaac Silvera, Eric Mazur and

Ronald L. Walsworth (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: Fall: 15, 16, 17;

Spring: 15, 16, 17, 18

Students carry out three experimental projects selected from those available representing condensed matter, atomic, nuclear, and particle physics. Included are nuclear magnetic resonance, microwave spectroscopy, optical pumping, scattering of laser light, neutron activation of radioactive isotopes, Compton scattering of gamma rays, the relativistic mass of the electron, recoil free gamma-ray resonance, the lifetime of the muon, studies of superfluid helium, positron annihilation superconducting transitions, the quantum Hall effect, and properties of semiconductors. The facilities of the laboratory include several computers that are used extensively in the laboratory.

Note: A substantial amount of outside reading is expected.

Prerequisite: Physics 15. Physics 143a is recommended.

[Physics 195. Introduction to Solid State Physics]

Catalog Number: 2978

Robert M. Westervelt

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14



Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, and superconductivity.

Note: Expected to be given in 2009–10. Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a formal course in solid state physics, are strongly advised to take this course first. It is suggested that students may wish to take Applied Physics 195 when this course is bracketed.

Cross-listed Courses

[Applied Mathematics 147. Nonlinear Dynamical Systems](#)

[Applied Physics 195. Introduction to Solid State Physics](#)

[Astronomy 145. Topics in Astrophysics](#)

[Astronomy 150. Radiative Processes in Astrophysics](#)

[Astronomy 191. Astrophysics Laboratory](#)

[\[Astronomy 192. Tools and Techniques of Astronomical Measurements\]](#)

[Chemistry 160. Physical Chemistry](#)

[Chemistry 161. Statistical Thermodynamics](#)

[Chemistry 163. Frontiers in Biophysics](#)

[*Chemistry 165. Experimental Physical Chemistry](#)

[\[Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate\]](#)

[Engineering Sciences 120. Introduction to the Mechanics of Solids](#)

[Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes](#)

[Engineering Sciences 154. Electronic Devices and Circuits](#)

[Engineering Sciences 173. Electronic and Photonic Devices](#)

[Engineering Sciences 181. Engineering Thermodynamics](#)

[Engineering Sciences 190. Introduction to Materials Science and Engineering](#)

Primarily for Graduates

The courses primarily for graduates are open to undergraduates provided they have passed the prerequisites with a grade of C or higher; in each case, special permission by the instructor is needed. In cases where students do not have the listed prerequisites, the written approval of the Head Tutor is required.

[Physics 210. General Theory of Relativity](#)

Catalog Number: 4840

Andrew Strominger

Half course (fall term). W., F., 2:30–4. EXAM GROUP: 7, 8

An introduction to general relativity: Riemannian geometry; the Principle of Equivalence; Einstein's field equation; the Schwarzschild solution, the Newtonian limit; experimental tests, black holes, the causal structure of spacetime.

Prerequisite: Physics 151 and 153, and Mathematics 21 or equivalents.


[Physics 211. General Relativity, Cosmology, and Other Topics]

Catalog Number: 0469

Frederik Denef
Half course (spring term). W., F., 2–3:30. EXAM GROUP: 7, 8

The course consists of two related parts: quantum field theory in curved space and cosmology. Topics covered in the first part include mode expansions, Bogolubov transformations, the Unruh effect, Hawking radiation, black hole thermodynamics, de Sitter thermodynamics, fluctuation spectra in inflationary universes, vacuum energy and the Casimir effect. Topics in the second part include kinematics and dynamics of expanding universe, propagation of light and horizons, the (very) early universe, inflation, inhomogeneities and structure formation.

Note: Expected to be given in 2009–10.

Prerequisite: General relativity at level of Physics 210 or equivalent. Physics 253a helpful, but not required.

[Physics 218. Modern Dynamical Systems]

Catalog Number: 1362

Paul C. Martin
Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Classical hamiltonian theory. Integrable systems, nonlinear dynamics, and chaos. Maps, KAM theory, and bifurcations. Mixing and ergodic theory. Dynamics of continuous systems, especially fluids. Stochastic processes.

Note: Expected to be given in 2009–10.

Prerequisite: Physics 151 and 143a, b or equivalent; Applied Math 201, 202 or equivalent.

Physics 232 (formerly Physics 232a). Advanced Classical Electromagnetism

Catalog Number: 4885

Bertrand I. Halperin
Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Maxwell's equations in free space and in macroscopic media; conservation laws; time-dependent solutions and radiation; scattering, and diffraction. Additional topics may include Lorentz transformations and radiation from rapidly accelerating charges; waves in a dispersive medium; wave guides.

Prerequisite: Physics 153 and Applied Math 105a, 105b, or equivalent.

***Physics 247r. Laboratory Course in Contemporary Physics**

Catalog Number: 8665 Enrollment: Together with Physics 191r, limited to a total of 24 students.

Peter S. Pershan and Ronald L. Walsworth (fall term), and Isaac Silvera, Eric Mazur and
Ronald L. Walsworth (spring term)
Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: Fall: 15, 16, 17; Spring: 15, 16, 17, 18

Three experimental projects are selected representing condensed matter, atomic, nuclear, and particle physics. Examples: experiments on NMR, microwave spectroscopy, optical pumping, scattering of laser light, neutron activation, Compton scattering of gamma rays, relativistic mass of the electron, recoil-free gamma ray resonance, lifetime of the muon, superfluid helium, superconducting transitions, and properties of semiconductors.

Note: A substantial amount of outside reading may be required.

**Physics 248. Phenomena of Elementary Particle Physics**

Catalog Number: 5431

Gary J. Feldman

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Topics in the phenomena of elementary particle physics, including weak interactions, QCD, deep inelastic scattering and nucleon structure functions, and heavy quark production and decay.

Prerequisite: Physics 145 or equivalent, i.e. a course at the level of Griffiths, Introduction to Elementary Particles.

Physics 251a. Advanced Quantum Mechanics I

Catalog Number: 2191

Arthur M. Jaffe

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Basic course in nonrelativistic quantum mechanics. Review of wave functions and the Schrödinger Equation; Hilbert space; the WKB approximation; central forces and angular momentum; scattering; electron spin; measurement theory; the density matrix; time-independent perturbation theory.

Prerequisite: Physics 143a, b or equivalent, or permission of instructor.

Physics 251b. Advanced Quantum Mechanics II

Catalog Number: 2689

Frederik Denef

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Heisenberg picture; time-dependent perturbations; inelastic scattering; degenerate harmonic oscillators; electrons in a uniform magnetic field; quantized radiation field; absorption and emission of radiation; identical particles and second quantization; symmetry principles; Feynman Path integrals.

Prerequisite: Physics 251a.

Physics 253a. Quantum Field Theory I

Catalog Number: 8050

Matthew D. Schwartz

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to relativistic quantum field theory. This course covers canonical quantization, Feynman diagrams, scattering, spinors, gauge invariance, path integrals, renormalization, and quantum electrodynamics. Other possible subjects include infrared divergences, dispersion relations, and external field techniques.

Prerequisite: Physics 251a,b or equivalents.

Physics 253b. Quantum Field Theory II

Catalog Number: 5250

Howard Georgi

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A continuation of Physics 253a. spontaneous symmetry breaking and Goldstone bosons, chiral anomalies, effective field theory, non-Abelian gauge theories, the Higgs mechanism, and an introduction to the standard model, quantum chromodynamics and grand unification. Other



possible subjects include solitons, quantum gravity, conformal field theory, supersymmetry and applications to condensed matter physics.

Prerequisite: Physics 253a.

[Physics 253c. Quantum Field Theory III]

Catalog Number: 4000

Howard Georgi

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course explores advanced topics in quantum field theory. Possible topics include semi-classical methods, tunneling in flat and curved spaces, topological defects, lattice gauge theories, conformal field theories in diverse dimensions, large N and string description of gauge theory, the AdS/CFT correspondence, and supersymmetric gauge theories in four dimensions.

Note: Expected to be given in 2009–10.

Prerequisite: Physics 253b.

Physics 262. Statistical Physics

Catalog Number: 1157

Subir Sachdev

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; Bose-Einstein condensation. Dynamics near equilibrium: Brownian motion, Langevin, Fokker-Planck and Boltzmann equations.

Note: Students may wish to take Applied Physics 284 when this course is bracketed.

Prerequisite: Physics 143a, b and Physics 181 or Engineering Sciences 181.

Physics 268r. Classical and Quantum Phase Transitions

Catalog Number: 7951

Subir Sachdev

Half course (spring term). M., W., 9:30–11. EXAM GROUP: 2, 3

The theory of phase transitions at zero and non-zero temperatures. Landau theory. Fluctuations and field theory. Renormalization group. Quantum transitions between insulators, superfluids, metals, and magnets. Modern ideas on the description of correlated states by emergent gauge fields.

Prerequisite: Physics 262 or equivalent.

[Physics 269r. Topics in Statistical Physics and Quantitative Biology]

Catalog Number: 6214

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to strongly interacting soft condensed matter and biophysical systems. We hope to discuss the theory of flexible polymer chains, single molecule biophysics, motor proteins, gene regulation and the statistical dynamics of mutations, selection and genetic drift.

Note: Expected to be given in 2009–10.

Prerequisite: Physics 262, Applied Physics 284 or equivalent.



Physics 271 (formerly Physics 287). Topics in the Physics of Quantum Information

Catalog Number: 7647

Mikhail D. Lukin

Half course (fall term). M., W., 12–1:30. EXAM GROUP: 5, 6

Introduction to physics of quantum information, with emphasis on ideas and experiments ranging from quantum optics to condensed matter physics. Background and theoretical tools will be introduced. The format is a combination of lectures and class presentations.

Prerequisite: Quantum mechanics at the level of introductory graduate courses.

Physics 283b. Beyond the Standard Model

Catalog Number: 7153

John M. Doyle and Matias Zaldarriaga

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Covers current advances in particle physics beyond the Standard Model. Topics could include supersymmetry, the physics of extra dimensions, experimental searches, including for T violation, and connections between particle physics and cosmology.

[Physics 284. Strongly Correlated Systems in Atomic and Condensed Matter Physics]

Catalog Number: 4673

Eugene A. Demler

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores an emerging interface involving strongly correlated systems in atomic and condensed matter physics. Topics include bosonic and fermionic Hubbard models, quantum spin systems, low dimensional systems, non-equilibrium coherent dynamics and system-bath interactions. Special attention to the physics of ultracold atoms. Lectures and seminar-like class presentations.

Note: Expected to be given in 2009–10.

Prerequisite: Graduate quantum mechanics or permission of instructor.

Physics 285a. Modern Atomic and Optical Physics I

Catalog Number: 8204

Gerald Gabrielse

Half course (fall term). M., W. 12-1:30. EXAM GROUP: 5, 6

Introduction to modern atomic physics. The fundamental concepts and modern experimental techniques will be introduced. Topics will include two-state systems, magnetic resonance, interaction of radiation with atoms, transition probabilities, spontaneous and stimulated emission, dressed atoms, trapping, laser cooling of “two-level” atoms, structure of simple atoms, fundamental symmetries, two-photon excitation, light scattering and selected experiments. The first of a two-term subject sequence that provides the foundations for contemporary research.

Prerequisite: One course in quantum mechanics (143a and b, or equivalent).

[Physics 285b. Modern Atomic and Optical Physics II]

Catalog Number: 4195

Mikhail D. Lukin

Half course (fall term). M., W., 12–1:30. EXAM GROUP: 5, 6

Introduction to quantum optics and modern atomic physics. The basic concepts and theoretical tools will be introduced. Topics will include coherence phenomena, non-classical states of light



and matter, atom cooling and trapping and atom optics. The second of a two-term subject sequence that provides the foundations for contemporary research.

Note: Expected to be given in 2009–10.

Prerequisite: A course in electromagnetic theory (Physics 232a or equivalent); one half-course in intermediate or advanced quantum mechanics.

Physics 287a. Introduction to String Theory

Catalog Number: 2012

Xi Yin

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to the perturbative formulation of string theories and dualities. Quantization of bosonic and superstrings, scattering amplitudes, supergravity, D-branes, U-dualities and M-theory, and AdS/CFT correspondence.

Prerequisite: Physics 253a, b or equivalent.

Physics 287br. Topics in String Theory

Catalog Number: 4555

Cumrun Vafa

Half course (spring term). W., F., 2:30–4. EXAM GROUP: 7, 8

A selection of topics from current areas of research on string theory.

Prerequisite: Physics 287a.

[Physics 289r. Eigenvalues of Random Matrices]

Catalog Number: 6400

Arthur M. Jaffe

Half course (spring term). Hours to be arranged.

We study eigenvalues of random matrices from several points of view, including how supersymmetry helps in their understanding. These problems relate to different fields of physics, including random systems and quantum gravity.

Note: Expected to be given in 2009–10.

Prerequisite: Knowledge of quantum theory and of analysis. Knowledge of field theory will be helpful but is not essential.

Cross-listed Courses

Applied Mathematics 201. Physical Mathematics I

[Applied Mathematics 202. Physical Mathematics II]

Applied Mathematics 205. Practical Scientific Computing

Applied Physics 216. Modern Optics and Quantum Electronics

[Applied Physics 284. Statistical Thermodynamics]

Applied Physics 295a. Introduction to Quantum Theory of Solids

Applied Physics 295b. Quantum Theory of Solids

Applied Physics 298r. Interdisciplinary Chemistry, Engineering and Physics: Seminar

Engineering Sciences 274. Quantum Technology I

Engineering Sciences 275. Nanophotonics

MCB 212. Topics in Biophysics

***Graduate Courses of Reading and Research***

Courses of preliminary reading or experimental research are designated by “a.” Thesis research are designated by “b” and these courses are to be used only when an instructor has agreed to supervise a student’s research for the PhD. Reading and Research courses largely concerned with physics are offered under the sponsorship of several other departments, particularly Astronomy, Chemistry, and Earth and Planetary Sciences; and of the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Science, and Engineering Sciences).

***Physics 301a,301b. Experimental Atomic and Elementary Particle Physics**

Cata,17360log Number: 1735

*Gerald Gabrielse 1768****Physics 303a,303b. Sensory and Behavioral Neuroscience**

Cata,17920log Number: 1727

*Aravinthan D. T. Samuel 4625****Physics 305a,305b. Experimental High Energy Physics**

Cata,08550log Number: 7929

*John Huth 3506****Physics 307a,307b. Atomic/Bio-physics, Quantum Optics**

Cata,32770log Number: 7534

*Lene V. Hau 2151****Physics 309a,309b. Topics in Elementary Particle Theory**

Cata,45610log Number: 4556

*Cumrun Vafa 2069****Physics 311a,311b. Experimental Atomic, Molecular, and Low-Energy Particle Physics**

Cata,68380log Number: 6839

*John M. Doyle 3507****Physics 313a,313b. Experimental Condensed Matter Physics**

Cata,63630log Number: 7154

*Amir Yacoby 5596****Physics 315a,315b. Topics in Theoretical Atomic, Molecular, and Condensed Matter Physics**

Cata,88710log Number: 7387

*Eric J. Heller 1074****Physics 317a,317b. Topics in Biophysics**

Cata,09900log Number: 8345

Xiaowei Zhuang 3991



***Physics 319a,319b. Topics in Experimental High Energy Physics**

Cata,45210log Number: 4520

Melissa Franklin 2500

***Physics 321a,321b. Experimental Soft Condensed Matter Physics**

Cata,70980log Number: 9963

David A. Weitz 2497 (on leave 2008-09)

***Physics 323a,323b. Nanostructures and Mesoscopic Physics**

Cata,90790log Number: 3629

Charles M. Marcus 2890

***Physics 327a,327b. Topics in Condensed Matter Physics**

Cata,65240log Number: 5969

David R. Nelson 5066

***Physics 329a,329b. Condensed Matter and Statistical Theory**

Cata,63730log Number: 6198

Bertrand I. Halperin 4755

***Physics 331a,331b. Topics in String Theory - (New Course)**

Cata,92800log Number: 1624

Xi Yin 6162

***Physics 333a,333b. Experimental Atomic Physics**

Cata,29040log Number: 2902

Mara Prentiss 2741

***Physics 335a,335b. Topics in the History and Philosophy of Physics**

Cata,42760log Number: 6697

Gerald Holton 1883

***Physics 337a,337b. Topics in Experimental High Energy Physics**

Cata,63680log Number: 1809

Masahiro Morii 3798 (on leave fall term)

***Physics 339a,339b. Condensed Matter and Atomic Physics**

Cata,68430log Number: 5096

Subir Sachdev 5252

***Physics 341a,341b. Topics in Experimental Atomic and Condensed Matter Physics**

Cata,66020log Number: 1990

Markus Greiner 5344



***Physics 343a,343b. Observational Cosmology and Experimental Gravitation**

Cata,68810log Number: 4253

Christopher Stubbs 4856

***Physics 345a,345b. Experimental Gravitation: Radio and Radar Astronomy**

Cata,50720log Number: 5067

Irwin I. Shapiro 7660

***Physics 347a,347b. Topics in Quantum Optics**

Cata,16270log Number: 8010

Mikhail D. Lukin 3990 (on leave spring term)

***Physics 349a,349b. Topics in Theoretical Particle Physics - (New Course)**

Cata,98660log Number: 4124

Matthew D. Schwartz 6194

***Physics 351a,351b. Experimental Soft Condensed Matter and Materials Physics**

Cata,56610log Number: 6533

Vinothan N. Manoharan 5251

***Physics 355a,355b. Theory of Elementary Particles**

Cata,76540log Number: 1213

Roy J. Glauber 2113

***Physics 357a,357b. Experimental Condensed Matter Physics**

Cata,52270log Number: 4430

Robert M. Westervelt 6148

***Physics 359a,359b. Topics in Condensed Matter Physics**

Cata,75600log Number: 8238

Eugene A. Demler 3847

***Physics 363a,363b. Topics in Condensed Matter Theory**

Cata,29580log Number: 2957

Efthimios Kaxiras 3050

***Physics 365a,365b. Topics in Mathematical Physics**

Cata,15670log Number: 5170

Arthur M. Jaffe 2095 (on leave spring term)

***Physics 367a,367b. Experimental Astrophysics**

Cata,12740log Number: 1075

Paul Horowitz 3537



***Physics 369a,369b. Experimental Condensed Matter: Synchrotron Radiation Studies**

Cata,15390log Number: 1538

Peter S. Pershan 1105 (on leave spring term)

***Physics 371a,371b. Topics in Experimental High Energy Physics**

Cata,64610log Number: 2519

Gary J. Feldman 2599 (on leave spring term)

***Physics 373a,373b. Historical and Philosophical Approaches to Modern and Contemporary Physics**

Cata,61430log Number: 6140

Peter L. Galison 3239

***Physics 375a,375b. Topics in Theoretical High Energy Physics - (New Course)**

Cata,01320log Number: 9829

Frederik Denef 6000

***Physics 377a,377b. Theoretical High Energy Physics**

Cata,20070log Number: 1436

Tai T. Wu 1051 (on leave spring term)

***Physics 379a,379b. Topics in Elementary Particle Research and String Theory**

Cata,75240log Number: 7523

Andrew Strominger 3700 (on leave 2008-09)

***Physics 381a,381b. Experimental Condensed Matter Physics**

Cata,23550log Number: 1281

Jennifer E. Hoffman 4888

***Physics 383a,383b. Low Temperature Physics of Quantum Fluids and Solids; Ultra High Pressure Physics**

Cata,43950log Number: 3851

Isaac F. Silvera 7468

***Physics 385a,385b. Topics in Biophysics**

Cata,59020log Number: 5901

Howard C. Berg 1377

***Physics 387a,387b. Applied Photonics**

Cata,57740log Number: 5772

Eric Mazur 7952

***Physics 389a,389b. Topics in Field Theory: The Standard Model and Beyond**

Cata,25710log Number: 4393

Lisa Randall 4255 (on leave spring term)



***Physics 391a,391b. Experimental Atomic Physics, Biophysics, and Soft Matter Physics**

Cata,27530log Number: 1006

Ronald L. Walsworth 2263

***Physics 393a,393b. Topics in Elementary Particle Theory**

Cata,62180log Number: 6051

Howard Georgi 4754

***Physics 394b. Topics in Theoretical Particle Physics - (New Course)**

Catalog Number: 7288

Matthew D. Schwartz 6194

Half course (fall term). .

***Physics 397a,397b. Experimental Condensed Matter Physics**

Cata,73560log Number: 7355

Jene A. Golovchenko 1986

Political Economy and Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Political Economy and Government

Torben Iversen, Harold Hitchings Burbank Professor of Political Economy (*Chair*) (*on leave 2008-09*)

Kenneth A. Shepsle, George D. Markham Professor of Government (*Acting Chair*)

Christopher N. Avery, Roy E. Larsen Professor of Public Policy and Management (*Kennedy School*) (*on leave spring term*)

Daniel P. Carpenter, Allie S. Freed Professor of Government

Suzanne J. Cooper, Senior Lecturer on Public Policy (*Kennedy School*)

Jeffrey Frieden, Stanfield Professor of International Peace

Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics

Elhanan Helpman, Galen L. Stone Professor of International Trade

Michael J. Hiscox, Clarence Dillon Professor of International Affairs

William W. Hogan, Raymond Plank Professor of Global Energy Policy (*Kennedy School*)

Daniel Andres Hojman, Assistant Professor of Public Policy (*Kennedy School*)

Nolan H. Miller, Associate Professor of Public Policy (*Kennedy School*)

Sendhil Mullainathan, Professor of Economics

Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Public Health*) and Professor of Health Care Policy (*Kennedy School, Medical School,*



Public Health)

Dwight H. Perkins, Harold Hitchings Burbank Research Professor of Political Economy, Emeritus

J. Mark Ramseyer, Professor of Japanese Legal Studies (*Law School*)

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

Beth A. Simmons, Clarence Dillon Professor of International Affairs

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Dennis F. Thompson, Alfred North Whitehead Professor of Political Philosophy in the Faculty of Arts and Sciences and in the John F. Kennedy School of Government

Richard J. Zeckhauser, Frank Plimpton Ramsey Professor of Political Economy (*Kennedy School*)

The Doctoral Program in Political Economy and Government (PEG) is intended for scholars interested in academic or policy making careers requiring advanced knowledge of both Economics and Political Science. It is appropriate for students whose academic interests are not fully served by doctoral studies in Economics or Political Science alone. In Political Economy, candidates have intellectual interests in the impact of politics on economic processes and outcomes, and the reciprocal influence of economic conditions on political life. This interest is often applied to such diverse areas as international political economy, political development, political and economic institutions, institutional transition and reform, environmental resource policies, and social policy.

Candidates for the PEG degree are typically in residence for two years before undertaking the oral general examination. Satisfactory completion of the general examination is a prerequisite for writing a dissertation. Continuation of candidacy is contingent upon suitable progress and achievement during each academic year.

Applicants to this program must present their academic credentials, career plans, and a tentative outline of their proposed program research. All applicants must specify whether they are applying to the Economics track or the Political Science track. For a full description of the track requirements, visit the PEG website at www.ksg.harvard.edu. Recent scores from the aptitude portion of the Graduate Record Examination (GRE) are required, as are transcripts for all prior study and three letters of recommendation. Application forms and leaflets describing field and other requirements are available at the Graduate School of Arts and Sciences. For further information on faculty, programs, and courses in the John F. Kennedy School of Government, see the school's catalog and courses of instruction.

For more information about the doctoral program, visit the program website at www.ksg.harvard.edu/degrees/phd/peg.



Psychology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Psychology

Susan E. Carey, Henry A. Morss, Jr. and Elisabeth W. Morss Professor of Psychology ,
Department Chair of Psychology (*Chair*) (*on leave spring term*)
Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology (*Acting Chair, spring term*)
George Angelo Alvarez, Assistant Professor of Psychology
Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (*Head Tutor*)
Randy L. Buckner, Professor of Psychology and of Neuroscience (*on leave 2008-09*)
Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology
L. Dodge Fernald, Lecturer on Psychology
Daniel T. Gilbert, Harvard College Professor and Professor of Psychology (*Director of Graduate Studies*)
Joshua D. Greene, Assistant Professor of Psychology (*on leave fall term*)
J. Richard Hackman, Edgar Pierce Professor of Social and Organizational Psychology
Marc D. Hauser, Professor of Psychology (*on leave fall term*)
Andrea Heberlein, Lecturer on Psychology, Research Associate (Other Fac)
Christine Hooker, Assistant Professor of Psychology
Jill M. Hooley, Professor of Psychology
Stephen M. Kosslyn, John Lindsley Professor of Psychology and Dean of Social Science
Ellen J. Langer, Professor of Psychology
Peggy Li, Lecturer on Psychology, Research Associate in Psychology
Koleen McCrink, Lecturer on Psychology
Richard J. McNally, Professor of Psychology
Wendy Mendes, Associate Professor of Psychology
Jason P. Mitchell, Assistant Professor of Psychology
Samuel Taylor Moulton, Lecturer on Psychology
Ken Nakayama, Edgar Pierce Professor of Psychology (*on leave 2008-09*)
Matthew K. Nock, John L. Loeb Associate Professor of the Social Sciences
Irene Pepperberg, Lecturer on Psychology (*spring term only*)
Steven Pinker, Johnstone Family Professor of Psychology, Harvard College Professor
Diego Pizzagalli, John and Ruth Hazel Associate Professor of the Social Sciences
James Sidanius, Professor of Psychology and of African and African American Studies
Jesse Snedeker, John L. Loeb Associate Professor of the Social Sciences (*on leave fall term*)
Elizabeth S. Spelke, Marshall L. Berkman Professor of Psychology
Daniel M. Wegner, Professor of Psychology
John R. Weisz, Professor of Psychology
Yaoda Xu, Assistant Professor of Psychology

Other Faculty Offering Instruction in the Department of Psychology

Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)
Kurt W. Fischer, Charles Bigelow Professor of Education (*Education School*)



Howard E. Gardner, John H. and Elisabeth A. Hobbs Professor of Cognition and Education
(*Education School*)

Paul Lansley Harris, Victor S. Thomas Professor of Education, Graduate School of Education

Jennifer Lerner, Professor of Public Policy and Management (*Kennedy School*)

Scott E. Lukas, Professor of Psychiatry (*Medical School*)

William P. Milberg, Associate Professor of Psychiatry (*Medical School*)

David Matthew Rose, Lecturer on Education (*Education School*)

Jeremy M. Wolfe, Professor of Ophthalmology (*Medical School*)

For a list of other courses which automatically count for undergraduate concentration credit, please see the note under the cross-listed courses for Undergraduates and Graduates.

Primarily for Undergraduates

Psychology 1. Introduction to Psychology

Catalog Number: 0854

Daniel T. Gilbert (spring term) and Jason P. Mitchell (fall term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 10–11:30; Spring: M., W., 1–2:30.

EXAM GROUP: Fall: 12, 13; Spring: 6, 7

Surveys the scientific study of human psychology. Introduces students to topics such as perception, consciousness, development, cognition, emotion, motivation, psychopathology, decision making, and social behavior.

Psychology 13. Cognitive Psychology

Catalog Number: 8706

Jesse Snedeker

Half course (spring term). Tu., Th., 10–11:30, and a one-hour section to be arranged. EXAM GROUP: 12, 13

An introduction to the study of human cognition. Topics include perception, attention, memory, categorization, language, and consciousness. We will consider how human thought processes are organized, how they affect our everyday behavior, and the biological mechanisms that underlie them.

Prerequisite: Psychology 1 or permission of instructor.

Psychology 15. Social Psychology

Catalog Number: 4760

Joshua D. Greene

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

An introduction to social psychological research and theory regarding everyday behavior. Topics include: social influence, attitude change, and obedience to authority; stereotyping and prejudice; social cognition; social interaction and group processes; interpersonal attraction; prosocial behavior; and everyday human judgment.

Prerequisite: Psychology 1 or equivalent.

***Psychology 16. Developmental Psychology: Psychology of Early Childhood**

Catalog Number: 1483



Paul Lansley Harris

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to theories and findings in the psychology of early childhood, roughly the period from 18 months to 6 years. The course will cover attachment; pretense and imagination; theory of mind/autism; moral development; memory development; emotion and understanding emotion; vocabulary growth; cross-cultural variation; brain development; learning through dialogue; and children's religious concepts.

Note: Offered jointly with the Graduate School of Education as H-250.

Prerequisite: Psychology 1 or equivalent.

Psychology 18. Abnormal Psychology

Catalog Number: 8560

Christine Hooker

Half course (fall term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM GROUP: 13, 14

Introduction to the study of psychopathology. Focuses on theoretical models of abnormal behavior as they relate to the definition, etiology, and treatment of mental disorders. Diagnostic classification, behavioral, and biological features of the major syndromes of psychopathology emphasized.

Prerequisite: Psychology 1 or equivalent.

***Psychology 910r. Supervised Research**

Catalog Number: 1472

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent empirical research (laboratory or field) conducted under the supervision of a departmental faculty member. Research report or equivalent paper required. May be taken up to three times for credit.

Note: Apply for admission through the Psychology Undergraduate Office on or before Study Cards are due.

***Psychology 950. Psychology Live!**

Catalog Number: 5195

Andrea Heberlein and members of the Department

Half course (fall term). M., 2:30–5. EXAM GROUP: 7, 8, 9

Faculty will each lecture about their main area of research: its history, methods, and discoveries, focusing on contemporary research topics including perception, memory, cognitive development, animal cognition, social cognition, moral decision-making, consciousness, language, and psychopathology. Includes a view of methods to study the mind, brain and behavior involving neuroscientific techniques, evolutionary psychology, web-based experimentation, traditional laboratory experiments, and field studies. Emphasis is primarily human, as well as nonhuman primates.

Prerequisite: Psychology 1.

***Psychology 971. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 3498



Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Examines selected issues and phenomena in contemporary psychological research. Examines topics from a variety of perspectives; reads primary sources in the field; develops thinking, writing, research, and discussion skills. This tutorial, or Psychology 975, is required of concentrators upon entering the concentration, normally in the sophomore year. Letter graded.

Note: Students planning to take this course before formally declaring Psychology as a concentration must take the first meeting or contact the Psychology Undergraduate Office before Study Cards are due for section assignment.

Prerequisite: Psychology 1 or concurrent enrollment.

***Psychology 975. Contemporary Issues in Psychology: Intensive Cross-level Analyses for Social and Cognitive Neuroscience**

Catalog Number: 9063

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Examines selected issues of relevance to social and cognitive neuroscience addressed in contemporary psychological research. Special attention to examining topics from a variety of perspectives, to reading primary sources in the field, and to developing thinking, writing, research, and discussion skills. This tutorial, or Psychology 971, is required of concentrators upon entering the concentration, normally in the sophomore year. Letter-graded.

Note: Students planning to take this course before formally declaring Psychology as a concentration must attend the first meeting or contact the Psychology Undergraduate Office before Study Cards are due for section assignment.

Prerequisite: Psychology 1 or concurrent enrollment.

Psychology 980a. Self-Destructive Behaviors - (New Course)

Catalog Number: 9132

Mahzarin R. Banaji and members of the Department.

Half course (fall term). M., 4–6.

This course explores recent advances in research on a broad range of self-destructive and self-defeating behaviors. Topics include suicide, non-suicidal self-injury, alcohol and drug abuse, eating disorders, risky sexual practices, dangerous, destructive or illegal behaviors, and procrastination. We will explore issues related to the classification, etiology, assessment, treatment, and prevention of self-destructive behaviors from psychological, developmental, contextual, and biological perspectives.

***Psychology 980mm. Creativity: Madmen, Geniuses, and Harvard Students**

Catalog Number: 2829

Mahzarin R. Banaji and members of the Department

Half course (fall term). M., 5:30–7:30 pm. EXAM GROUP: 9

This course will address the developmental, neurobiological, phenomenological, and social aspects of creativity, including the interface between creativity and psychopathology. Empirical literature and case studies of famous artists and scientists enhance our understanding of creativity.



***Psychology 980v. The Insanity Defense**

Catalog Number: 6942

Mahzarin R. Banaji and members of the Department

Half course (spring term). Tu., 2:30–4:30. EXAM GROUP: 16, 17, 18

Explores, through case materials and empirical research, the insanity defense in the legal system and its impact on psychology, law, and society. Topics include history of the defense; the relation among psychopathology, insanity, and diminished capacity; effects of different standards for determining insanity; arguments for its retention, abolition, and revision; media and other responses; controversies surrounding pre- and post-conviction commitment; and the roles of psychologists and lawyers in defining, implementing, and questioning the defense.

***Psychology 985. Junior Tutorial: Honors Thesis Preparation**

Catalog Number: 2343

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Fall: Hours to be arranged. Spring: W., at 4.

Supervised reading and research normally resulting in an honors thesis prospectus. Supplemental group meetings to discuss topic and adviser selection, methodology, prospectus writing, and the prospectus meeting. Admission to course via application (available in Psychology Undergraduate Office). Graded SAT/UNS. Full prospectus or term paper required.

Note: Normally limited to junior psychology concentrators.

Prerequisite: Advanced methods course or concurrent enrollment.

Senior Tutorial

***Psychology 990. Senior Tutorial: Honors Thesis in Psychology**

Catalog Number: 3553

Mahzarin R. Banaji and members of the Department

Full course. Hours to be arranged.

Individual supervised thesis research supplemented with occasional group meetings, Thursdays at 4, to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research). Graded Sat/Unsat. Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Note: Required of and limited to senior honors psychology concentrators.

Prerequisite: Advanced methods course.

***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain/Behavior)**

Catalog Number: 4990

Mahzarin R. Banaji and members of the Department

Full course. Hours to be arranged.

Supervised research leading to the submission of the senior honors thesis. Individual work with thesis adviser is supplemented by participation in Mind/Brain/Behavior Interdisciplinary Research Workshop as well as by optional but highly recommended occasional group meetings Thursdays at 4. Graded SAT/UNSAT. Prospectus meeting required for fall term credit; paper also required for students who divide course at mid-year. Submission of thesis required for full-year credit.

Note: Required of and limited to seniors in the MBB tracks in psychology, who will take this



tutorial in lieu of Psychology 990.

Prerequisite: An advanced methods course.

***Psychology 993. Senior Tutorial: Honors Thesis (Social and Cognitive Neuroscience)**

Catalog Number: 5567

Mahzarin R. Banaji and members of the Department.

Full course. Hours to be arranged.

Individual supervised research supplemented with occasional group meetings, Thursdays at 4, to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research). Graded Sat/Unsat. Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Note: Required of and limited to senior honors psychology concentrators in the Social and Cognitive Neuroscience track, who will take this course in lieu of Psychology 990.

Prerequisite: An advanced methods course.

***Psychology 995. Senior Seminar: General Psychology**

Catalog Number: 5201 Enrollment: Limited to 12.

L. Dodge Fernald

Half course (fall term; repeated spring term). M., 1–3. EXAM GROUP: Spring: 6, 7

A capstone course aimed at an integrated review of the field through seminar discussions, oral reports, field experience, practitioner interviews, and independent research projects. Focus is upon the perspectives and prescriptions in contemporary psychology.

Note: Designed for senior concentrators not engaged in an honors thesis.

Cross-listed Courses

***Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test**

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 80 (formerly Biological Sciences 80). Neurobiology of Behavior

***Mind, Brain, and Behavior 91 (formerly *Mind, Brain, and Behavior 98). Music and the Brain**

***Mind, Brain, and Behavior 92 (formerly Psychology 987d). Conscious Experience: Image, Space, and Self**

***Mind, Brain, and Behavior 93 (formerly Psychology 987f). The Biology of Conscious States: Waking, Sleeping, and Dreaming**

***Mind, Brain, and Behavior 94 (formerly Psychology 987g). Theories of Violence**

***Mind, Brain, and Behavior 95 (formerly Psychology 987h). Addiction and Motivation**

***Mind, Brain, and Behavior 96 (formerly Psychology 987i). The Science of Happiness**

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

Science B-29. Evolution of Human Nature

Science B-60. Origins of Knowledge



Science B-62. The Human Mind: An Introduction to Mind, Brain, and Behavior
Social Analysis 43. Psychological Trauma

For Undergraduates and Graduates

***Psychology 1150. Perception**

Catalog Number: 1199

Jeremy M. Wolfe (Medical School)

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Everything we know about the world comes to us through our senses. How is energy in the environment transduced into our sensations? How do those sensations get interpreted into our perceptions of the world and of our relationship to the world? Do limits on perception impose limits on our mental life? Course surveys vision, hearing, taste, smell, touch, and vestibular senses. Greatest emphasis on vision. Discusses behavioral and biological data with more emphasis on behavior.

Prerequisite: Psychology 1; and either Psychology 13 or MCB 80.

[*Psychology 1151. Cognitive Evolution: Theory and Practice]

Catalog Number: 8617 Enrollment: Limited to 20.

Marc D. Hauser

Half course (fall term). Hours to be arranged. Includes 10-12 hours of lab work per week.

Focuses on theoretical and practical matters concerned with the evolution of the human mind. We take a multi-disciplinary approach that includes evolutionary theory, neurobiology, cognitive science, animal behavior, developmental biology, linguistics, economics, anthropology, and philosophy. We address such issues as the nature of non-linguistic representation; evolution of cooperation, language, and morality; how mathematical quantification, navigation, and communication evolved; and whether the mind has an optimal design. Includes experiments with human adults, children, monkeys, and birds.

Note: Expected to be given in 2009–10.

***Psychology 1152r. Cognitive Evolution Lab**

Catalog Number: 1805 Enrollment: Limited to 20.

Marc D. Hauser

Half course (fall term; repeated spring term). Tu., 5:30–7:30 p.m. EXAM GROUP: 18

An introduction to issues, laboratory techniques, and field methodology in animal cognition. Students develop and pilot research projects. Empirical research is accompanied by a critical reading and discussion of papers on such topics as language evolution, concept acquisition, acoustic perception, and domain-specific knowledge.

Note: The first class meeting only will take place on Th., January 29, 2009 at 5:30 p.m. in William James, Room 1305.

Prerequisite: PSY 1151 or permission of instructor.

Psychology 1201. Your Brain on Drugs: Psychopharmacology

Catalog Number: 6717

Scott E. Lukas (Medical School)

Half course (spring term). Tu., Th., 10–11:30; W., at 9:30. EXAM GROUP: 12, 13



An introduction to how drugs affect mood, sensation, consciousness, and other psychological and behavioral functions in both healthy and disease states. Introduces concepts in neuroscience and pharmacology to understand how drugs are used to treat drug abuse, psychiatric disorders and why individuals use recreational drugs. Covers all CNS drugs, including antidepressants, antipsychotics, alcohol, and both licit and illicit drugs of abuse. Debates controversial topics such as research with psychiatric populations, diagnosing ADHD, teenage suicide, marijuana legalization, and needle exchange programs.

Prerequisite: Psychology 1 and either Psychology 13, Psychology 18, or MCB 80.

Psychology 1301. Cognitive Neuroscience

Catalog Number: 5607

Andrea Heberlein

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

How do our brains give rise to our minds? Specifically, how are mental processes related to neural activity? This course will explore these questions, as well as the methods by which cognitive neuroscience seeks to answer them. We will focus on processes within perception, attention, memory, language, emotion, social cognition, and development, and methods including neuroimaging, neuropsychology, and intra- and extra-cranial electrophysiology.

Prerequisite: An introductory psychology course; and Psychology 13 or MCB 80.

[*Psychology 1302. Psychology of Language]

Catalog Number: 0295

Half course (fall term). Hours to be arranged.

Explores psychological processes underlying language. Topics include: origins of language, nature and structure of languages, language acquisition in children, and the neurological and physiological processes involved in language expression and comprehension.

Note: Expected to be given in 2009–10.

Prerequisite: A foundation course in a science.

***Psychology 1304. Cognitive Neuropsychology**

Catalog Number: 2419

Alfonso Caramazza

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Examines the patterns of perceptual, motor, cognitive, and linguistic impairments resulting from brain damage. The focus is on the implications of the various types of neuropsychological deficits (such as visual neglect, dyslexia, and aphasia) for theories of the mind and the functional organization of the brain.

Prerequisite: Psychology 1 and Psychology 13 or MCB 80.

***Psychology 1306. Language and Thought**

Catalog Number: 6358

Peggy Li

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

What is the relationship between language and thought? This question has fascinated many, and continues to be a point of debate across multiple disciplines (anthropology, philosophy,



linguistics, and psychology). Recently there is a burgeoning of scientific research trying to explicate and demonstrate how language influences thought. This course surveys how recent and future research have and could shed light upon the matter.

Prerequisite: PSY 1 plus Psychology foundation course (PSY 13, PSY 15, PSY 16, PSY 18).

***Psychology 1351. Animal Cognition**

Catalog Number: 1585

Irene Pepperberg

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course is an introduction to the study of animal cognition and thought processes. Topics include categorization, memory, number concepts, insight, and language-like behavior. The course requires reading and critiquing original journal articles.

Prerequisite: Introductory psychology, animal behavior recommended.

[*Psychology 1352. Foundations of Cognitive Neuroscience Research]

Catalog Number: 9399 Enrollment: Limited to students involved in research

Randy L. Buckner

Half course (fall term). Hours to be arranged.

Intended for undergraduates or those with limited background in cognitive neuroscience. Students will attend and participate in laboratory research and in a seminar that includes discussion of active scientific projects, recent important journal articles, and didactic lecture on technical aspects of methods central to cognitive neuroscience research. Readings will be assigned that survey basic principles of system neuroscience, cognitive science, and methods including functional MRI, MEG, and single unit physiology.

Note: Expected to be given in 2009–10.

Prerequisite: Psychology 1 or MCB 80, or permission of instructor. For graduate students, permission of instructor.

[*Psychology 1354. Classic Papers on Memory (and the Ones that Got Away!)]

Catalog Number: 5684

Randy L. Buckner

Half course (spring term). Hours to be arranged.

Classic articles in memory will be discussed in the context of why they are seminal to the field. Topics will include amnesia, LTP, levels of processing, implicit memory, brain imaging, and prospection. Within each topic, articles that are less seminal, but reported earlier, will also be discussed. A goal will be to debate what specifically allowed the classic articles to change the way we think. What sets them apart?

Note: Expected to be given in 2009–10.

Prerequisite: For undergraduates: PSY 1 or MCB 80 required, or permission of instructor. For graduate students, permission of instructor.

[*Psychology 1359. Words, Actions, and Objects]

Catalog Number: 4851

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Examines the organization of conceptual and lexical knowledge in the brain. Neuropsychological



and neuroimaging evidence is discussed in the context of theories of the organization of conceptual knowledge and the lexical system.

Note: Expected to be given in 2009–10.

Prerequisite: Psychology 1 and Psychology 13.

[Psychology 1430. Human Memory and Amnesia]

Catalog Number: 8922

Daniel L. Schacter

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Surveys current data and theory concerning human memory and amnesia from cognitive, neuroimaging, and neuropsychological perspectives. Topics considered include short-term memory, encoding and retrieval processes, forgetting, memory distortion, implicit memory, drug effects on memory, amnesic syndromes, and aging memory.

Note: Expected to be given in 2009–10.

Prerequisite: Psychology 1 plus either Psychology 13, 15, 16, 18, Science B29 or MCB80.

[*Psychology 1500. Psychology of Teams and Leadership]

Catalog Number: 5948 Enrollment: Limited to 100.

Half course (spring term). Hours to be arranged.

Combines recent theoretical developments and empirical findings with in-class experience to provide the knowledge and skills required to get the most out of teams as members and managers. Students apply theory to the management of team processes through group exercises and discussion of case studies throughout the term. Topics include structuring teams, evaluating team performance, group communication, collective decision-making, team creativity, team problem-solving, conflict management, and team leadership. Group project required.

Note: Expected to be given in 2009–10.

Prerequisite: Psychology 1 or permission of instructor.

Psychology 1501. Social Psychology of Organizations

Catalog Number: 0823 Enrollment: Limited to 45.

J. Richard Hackman

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Surveys interpersonal and group processes in organizational settings. Includes how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team behavior and performance; power dynamics in organizations; intergroup relations; the leadership of groups and organizations. Group project required.

Prerequisite: Psychology 1 and at least one additional course with substantial psychological content.

Psychology 1505. Social Cognition

Catalog Number: 3334

Ellen J. Langer

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The cognitive underpinnings of numerous social psychological phenomena, including traditional topics in social psychology such as attribution making, impression formation, stereotyping,



prejudice, self knowledge, affect, judgment and decision making, nonverbal communication in theory and application will be explored. Special attention will be given to these phenomena through the lens of mindfulness and mindlessness.

Prerequisite: Psychology 1 and either Psychology 13 or Psychology 15.

[*Psychology 1506. Social Neuroscience]

Catalog Number: 4847

Joshua D. Greene

Half course (spring term). Hours to be arranged.

What can studying the brain teach us about human social behavior? Topics include emotion, social perception and attribution, personality, neurological disorders affecting social behavior, modularity in social cognition, economic decision-making, moral judgment, free will and legal responsibility, the neural basis of the self, comparative social cognition, the evolution of human sociality, and neuroethics.

Note: Expected to be given in 2009–10.

Prerequisite: Psychology 1 plus either Psychology 13, Psychology 15 or MCB 80.

***Psychology 1551. Mind Perception**

Catalog Number: 2481 Enrollment: Limited to 20.

Daniel M. Wegner

Half course (fall term). M., 2:30–4:30. EXAM GROUP: 7, 8, 9

Examines processes involved in perceiving the minds of others, and how these processes are modified for exceptional cases such as the minds of animals, robots, children, groups, enemies, victims, supernatural agents, and the dead.

Prerequisite: Psychology 1 plus any one of Psychology 13, 15, 16, 18, or MCB-80

[*Psychology 1557. Self and Identity: Seminar]

Catalog Number: 0491

Erin Driver-Linn

Half course (spring term). Hours to be arranged.

Examines what William James called "the most puzzling puzzle with which psychology has to deal." Emphasizes social psychological research, draws on philosophy and other areas of psychology to address questions of agency, reflexivity (being the object of one's own attention), stability/fluidity of the self-concept, the influence of relationships and cultures on development of the self, and academic identity. Students work on a single, original paper throughout the semester, peer-reviewing and receiving feedback on multiple drafts.

Note: Expected to be given in 2009–10.

Prerequisite: PSY 1 and at least one of the following PSY 13, PSY 15, PSY 16, PSY 18, or permission of the instructor.

***Psychology 1572. Stress and Health: Concentration Seminar**

Catalog Number: 0059 Enrollment: Limited to 20. Limited to undergraduates.

Wendy Mendes

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This seminar will explore issues at the intersection of psychology and medicine, specifically how psychological states, such as stress, motivation, and emotion affect functioning of biological



systems including mental and physical health and the etiology and progression of disease states.

Note: Limited to undergraduates.

Prerequisite: Psychology 1; plus at least one of the following courses: Psychology 13, Psychology 15, Psychology 16, Psychology 18, or MCB-80.

[Psychology 1603. Adolescent Development]

Catalog Number: 6916

Half course (fall term). Hours to be arranged.

Adolescence is a fascinating time of life because of the vast physical and psychological changes that occur. Examines the biological changes that accompany puberty, cognitive development, identity formation, parent and peer relationships, gender, sexuality, cultural context, and ethnicity. Problems of adolescence, such as substance abuse, eating disorders, and risky behavior will be considered as well.

Note: Expected to be given in 2009–10.

Prerequisite: Psychology 1, Psychology 16, or permission of instructor.

Psychology 1607. Cognitive Development, Education, and the Brain

Catalog Number: 9014

Kurt W. Fischer (Education School), Howard E. Gardner (Education School) (spring term), and David Matthew Rose (Education School) (fall term)

Full course (indivisible). M., W., 10–12. EXAM GROUP: Fall: 3, 4

An integrative survey of knowledge and research in cognitive development and neuroscience from infancy through early adulthood. Topics include normal cognitive and emotional development and brain development and their relation to learning and education.

Note: Offered jointly with the Graduate School of Education as HT 100.

[*Psychology 1651. Language Development: Undergraduate Laboratory Course]

Catalog Number: 6484

Jesse Snedeker 4118 (on leave fall term)

Half course (fall term). Hours to be arranged.

Students participate in research on language acquisition, language comprehension, and language production. Each student has responsibility for a project. Weekly meeting to discuss student projects and readings that are relevant to them. Ten hours a week commitment (includes lab meeting).

Note: Expected to be given in 2009–10. For undergraduates seeking research experience, especially in preparation for undergraduate theses.

***Psychology 1652r. Laboratory in Early Cognitive Development**

Catalog Number: 9913

Elizabeth S. Spelke

Half course (fall term; repeated spring term). Hours to be arranged.

An introduction to issues and methods in the study of cognition in human infants and young children. Students develop their own research projects, evaluate the ongoing and proposed projects of other students, and read and discuss papers on the development of perception and reasoning about objects, agents, space, and number.



***Psychology 1655. Conceptual Development: Undergraduate Laboratory Course**

Catalog Number: 1865

Susan E. Carey

Half course (fall term; repeated spring term). Hours to be arranged.

Students participate in research on conceptual development and language acquisition. Each student has responsibility for a project. Weekly lab meeting to discuss student projects and readings relevant to them. Ten hours a week commitment (includes lab meeting).

Note: Open to undergraduates seeking research experience, especially in preparation for undergraduate theses.

[Psychology 1702. Emotion]

Catalog Number: 7521

Andrea Heberlein

Half course (spring term). Hours to be arranged.

What is an emotion? What does it mean to have one? What causes emotions? How do you know when you are sad (or angry, or proud, or embarrassed)? How do you know when someone else is? Are emotions functional, and if so, how? How can emotions be dysfunctional? How, and when, do we control our emotions? What neural structures underlie which components of emotion, and how does this help us understand how emotional processes are organized? This course will focus on scientific, experimentally-tractable attempts to answer these questions, and others related to them, via discussion of both textbook and primary source readings.

Note: Expected to be given in 2009–10.

Prerequisite: An introductory psychology course plus PSY 15.

Psychology 1801. Anxiety Disorders

Catalog Number: 4906

Richard J. McNally

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

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.

Prerequisite: Psychology 1 and Psychology 18.

Psychology 1808. Neurobiological Aspects of Psychopathology

Catalog Number: 9917

Diego Pizzagalli

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Provides an introduction to the study of psychopathology (e.g., mood, anxiety, eating, and personality disorders and schizophrenia) from a neurobiological perspective. The course will include sections on neuroanatomy, psychopharmacology, genetics, and emerging trends in neuroimaging research of psychiatric disorders.

Prerequisite: Psychology 1 and Psychology 18.

[*Psychology 1851. Clinical Psychology: Science and Practice]

Catalog Number: 6392 Enrollment: Limited to 15.

Jill M. Hooley



Half course (fall term). W., 1–3.

Extends the material covered in Psychology 18 in a more clinical direction. Provides students with an opportunity to approach issues in clinical psychology from a scientist-practitioner perspective. Focuses on how research-based approaches to the study and treatment of psychopathology can translate into high quality ethical care for patients with major psychiatric problems.

Note: Expected to be given in 2009–10.

Prerequisite: Psychology 18 and at least one other course in psychopathology strictly required.

Psychology 1854. Schizophrenia: Seminar

Catalog Number: 2771 Enrollment: Limited to 20.

Jill M. Hooley

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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 1 and Psychology 18.

[*Psychology 1855. Mood Disorders]

Catalog Number: 6867

Diego Pizzagalli

Half course (spring term). Hours to be arranged.

We examine current theory and research on the etiology, phenomenology, and treatment of mood disorders, particularly depressive disorders. Cognitive, behavioral, and biological approaches are emphasized.

Note: Expected to be given in 2009–10.

Prerequisite: Psychology 1 and Psychology 18.

***Psychology 1861. Developmental Psychopathology**

Catalog Number: 1325

John R. Weisz

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

An overview of psychological problems and mental disorders in childhood and adolescence. Topics include internalizing conditions (e.g., anxiety, depression), externalizing conditions (e.g., conduct disorder and ADHD), eating disorders, autism, and child maltreatment. Theoretical perspectives, diagnostic criteria, etiology, and treatment approaches are examined.

Prerequisite: Psychology 1 and Psychology 18.

Psychology 1900. Introduction to Statistics for the Behavioral Sciences

Catalog Number: 4016

Yaoda Xu

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Provides a conceptual and practical introduction to statistics used in psychology and other behavioral sciences. Covers basic topics in statistics including: measures of central tendency and variability; probability and distributions, correlations and regression, hypothesis testing, t-tests,



analysis of variance, and chi-square tests. Includes a lab section with instruction in statistical analysis using a computer program.

Note: Open to freshmen with permission of instructor.

Psychology 1901. Methods of Behavioral Research

Catalog Number: 3811

Wendy Mendes (fall term) and George Angelo Alvarez (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 2:30–4; Spring: M., W., 1–2:30.

EXAM GROUP: Fall: 16, 17; Spring: 6, 7

Theoretical and practical introduction to planning, conducting, reporting, and evaluating research in the social and behavioral sciences. Topics include experimental design, reliability and validity, experimental artifacts, and analysis of published research.

Prerequisite: Psychology 1900, Statistics 100, 101, 102, 104, or the equivalent.

***Psychology 1950. Intermediate Statistical Analysis in Psychology**

Catalog Number: 4889

Samuel Taylor Moulton

Half course (fall term). Lecture: M., W., 1–2:30; Lab: Th., 10-11:30. EXAM GROUP: 6, 7

This course is designed to provide the student with a strong working knowledge of contemporary repeated analysis of variance, post-hoc comparisons and planned contrasts, simple correlation and regression analysis, part and partial correlation analysis, regression diagnostics, introduction to multiple correlations and regression analysis, introduction to matrix algebra, multiple regression and categorical independent variables.

Prerequisite: Psychology 1900.

***Psychology 1952. Multivariate Analysis in Psychology**

Catalog Number: 6191

James Sidanius

Half course (spring term). Lecture: M., W., 1–2:30; Lab: Th., 1–2:30. EXAM GROUP: 6, 7

This course introduces the empirical measurement of abstract constructs and multivariate analysis. Topics include: reliability and validity, multiple regression, exploratory and confirmatory factor analyses, discriminant analysis, canonical correlation analysis and structural equation modeling.

Prerequisite: Psychology 1900.

Cross-listed Courses

[Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry]

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

[Linguistics 130. Psycholinguistics]

[Linguistics 132. Psychosemantics]

Neurobiology 130 (formerly Psychology 1205). Drugs and the Brain: From Neurobiology to Ethics

[*Neurobiology 135 (formerly *Psychology 2350). Current Topics in Cognitive Neuroscience Research]



Primarily for Graduates

***Psychology 2010. Contemporary Topics in Psychological Research**

Catalog Number: 6515

Susan E. Carey

Half course (fall term). M., Th., 4–6. EXAM GROUP: 9, 18

Advanced survey of research topics in cognition/brain/behavior, development, experimental psychopathology, clinical and social psychology.

Note: Required of, and limited to, first-year doctoral students in the department of Psychology.

***Psychology 2020ab. Cognition, Brain, and Behavior: Proseminar**

Catalog Number: 7860

Alfonso Caramazza and members of the Department

Full course (spring term). Tu., 2–4, Th., 2:30–4:30. EXAM GROUP: 16, 17

Advanced survey of research topics in cognition, brain, and behavior.

Note: Limited to first-year doctoral students in Psychology.

[*Psychology 2040. Contemporary Topics in Psychopathology]

Catalog Number: 4628 Enrollment: Doctoral students only.

Jill M. Hooley

Half course (spring term). Hours to be arranged.

Advanced survey of current topics in experimental psychopathology.

Note: Expected to be given in 2009–10. Required of first- or second-year graduate students in clinical.

[*Psychology 2050. History of Psychology: Seminar]

Catalog Number: 3378 Enrollment: Open to undergraduates by permission.

Half course (spring term). Hours to be arranged.

Covers major issues, theories, schools of thought, and controversies integral to the development of psychology from the late 19th century to the middle of the 20th century. Readings include classic articles exemplifying these themes.

Note: Expected to be given in 2010–11.

Prerequisite: For undergraduates: Psychology 1 plus one from among Psychology 13,

Psychology 15, Psychology 16, Psychology 18, or MCB 80.

[*Psychology 2100. Research Methodology]

Catalog Number: 8552

J. Richard Hackman

Half course (spring term). Hours to be arranged.

How to conduct empirical research, primarily with human participants. Topics include formulating problems, design strategies, developing and validating concepts, designing and assessing measures and manipulations; issues in data collection, analysis, and interpretation; and publishing findings.

Note: Expected to be given in 2009–10. Limited to doctoral students. Offered alternate years.



[Psychology 2110. Emotional Development: Biology, Relationships, Culture]

Catalog Number: 1403

Kurt W. Fischer (Education School)

Half course (fall term). Hours to be arranged.

Explores the connections between biology, emotions, relationships, and culture. Reviews classic work such as Darwin and psychodynamics as well as modern emotion research about attribution, development, culture, and neuroscience. Format combines discussion, debate, and lecture.

Note: Expected to be given in 2009–10. Offered jointly with the Graduate School of Education as H137.

[*Psychology 2170. Developmental Proseminar]

Catalog Number: 6883

Elizabeth S. Spelke and members of the Department

Half course (fall term). Hours to be arranged.

Proseminar in conceptual development and language acquisition.

Note: Expected to be given in 2009–10. Open to all graduate students in the department; required of all first-year students in the Psychology Department Developmental Program. Open to others by permission of the instructor.

***Psychology 2180. Rational Statistical Learning and Conceptual Development - (New Course)**

Catalog Number: 6467

Elizabeth S. Spelke and Joshua Tennenbaum (MIT)

Half course (fall term). W., 6–9 p.m.

Note: The course is held every other week at MIT. Watch the Supplement for first meeting information.

[*Psychology 2190. Topics in Language Acquisition]

Catalog Number: 2529

Jesse Snedeker

Half course (fall term). Hours to be arranged.

Seminar examining alternate theories of language acquisition and assessing their empirical validity. Focuses on speech perception, word learning, semantic and early syntactic development, interactions between language acquisition and cognitive development, and children's online language comprehension.

Note: Expected to be given in 2009–10.

***Psychology 2280. Language and Human Nature**

Catalog Number: 6741 Enrollment: Undergraduates admitted with permission of instructor.

Steven Pinker

Half course (spring term). Tu., 6–8 pm. EXAM GROUP: 18

Language as a window into human conceptions of space, time, causation, number, agency, sex, and status. The focus is on words and grammatical constructions, but also diverse phenomena like swearing, baby naming, and legal language.

Prerequisite: For undergraduates: Psychology 1 or Science B-62; plus one from: Psychology 13, Psychology 16, Psychology 1302, or any course in the linguistics department.



[*Psychology 2320. Applying fMRI to Cognitive Research]

Catalog Number: 5380

Half course (fall term). Hours to be arranged.

Covers basic fMRI methods in cognitive neuroscience. It takes the user and the reader's perspectives. Topics include data collection and analysis, experimental design, and the connection between BOLD and neuronal activity.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

***Psychology 2335r. Language: Research Seminar**

Catalog Number: 5121 Enrollment: Open to undergraduates with permission of instructor.

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Discussion of current research on the organization of conceptual and lexical knowledge. We will also discuss ongoing research by participants in the seminar.

Note: Open to graduate and undergraduate students involved in research in language.

[*Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects]

Catalog Number: 6215

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Focuses on recent issues in language processing. Research findings from various areas and different approaches are considered, including neuroimaging studies, cross-linguistic investigations, aphasia research, and bilingualism.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

[*Psychology 2351. Construction and Function of Memory: Seminar]

Catalog Number: 3512

Daniel L. Schacter and Randy L. Buckner

Half course (fall term). Hours to be arranged.

What is memory for? We examine issues of memory structure in light of questions concerning memory function, including errors and distortions and the ways memory informs decisions about future reactions.

Note: Expected to be given in 2009–10.

***Psychology 2352r. Laboratory for Social Cognitive Neuroscience**

Catalog Number: 6187

Jason P. Mitchell

Half course (fall term; repeated spring term). Tu., 5:30–7:30 pm.

Provides instruction and experience in conducting research on social cognition via the methods of cognitive neuroscience. Special focus on issues of mental state inference, stereotyping, and the self.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.



[*Psychology 2354r. Advanced Laboratory in Cognitive Neuroscience]

Catalog Number: 0838

Randy L. Buckner

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Expected to be given in 2009–10. Open to graduate and undergraduate students working 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). Tu., at 2. EXAM GROUP: 16

Focuses on how to do research on visual cognition and related topics. Students learn to conduct experiments, including fundamentals of experimental design and data analysis. Concludes with formal written report and presentation of research. Meets laboratory methods requirement for honors undergraduates.

Prerequisite: Open to undergraduates only if they've met the following prerequisites and have permission of the instructor: Psychology 1; Psychology 13 or Psychology 1352 or MCB 80; and Statistics.

***Psychology 2356r. Visual Cognition: Research Seminar - (New Course)**

Catalog Number: 4407 Enrollment: Limited enrollment.

George Angelo Alvarez

Half course (spring term). Hours to be arranged.

Discussion of current research on visual cognition (how we perceive, attend to, and remember visual information). We will also discuss ongoing research by participants in the seminar.

Note: Open to graduate and undergraduates.

***Psychology 2358r. Memory: Research Seminar**

Catalog Number: 0141

Daniel L. Schacter

Half course (fall term; repeated spring term). Hours to be arranged.

Topic to be announced.

Note: Limited to students involved in research.

[*Psychology 2370. The Development of Social Cognition]

Catalog Number: 9542

Mahzarin R. Banaji and Susan E. Carey

Half course (fall term). Hours to be arranged.

How do children create representations of their social world? Important topics in social cognitive development (e.g., social categorization, in-group preference) are explored from the vantage point of current theories of conceptual representations and their development.

Note: Expected to be given in 2009–10. Open to graduate students and undergraduate students by permission of instructors.

Prerequisite: Psychology 16, or Psychology 15, or equivalent courses.



***Psychology 2380. Theory and Evidence in Cognitive Science and Neuroscience - (New Course)**

Catalog Number: 9624 Enrollment: Open to undergraduates.

Alfonso Caramazza and Marc D. Hauser

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores how Cognitive Science and Neuroscience work from findings to theoretical positions. Examines mirror neurons in mental simulation; domain-specific vs. expertise systems of knowledge; how neuroimaging and patient data inform understanding of mental representation
Prerequisite: PSY 13 or MCB 80.

***Psychology 2400. Cognitive Psychology and Emotional Disorders**

Catalog Number: 6138

Richard J. McNally

Half course (fall term). M., 4–6. EXAM GROUP: 9

Research and theory on the application of cognitive psychology methods applied to the understanding of anxiety and mood disorders.

Note: Limited to graduate students.

***Psychology 2420. Cognitive-Behavioral Treatment of Psychological Disorders**

Catalog Number: 8446

Jill M. Hooley

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Covers current cognitive-behavioral approaches to the treatment of common psychological disorders in adults. Emphasis is on the practical aspects of treatment, and on treatment outcome research. Includes theoretical underpinnings of cognitive-behavioral therapy.

Note: Limited to Harvard graduate students in clinical psychology.

[*Psychology 2430. Cultural and Individual Diversity]

Catalog Number: 9756

Matthew K. Nock

Half course (fall term). Hours to be arranged.

Examines cultural, racial, ethnic, and other individual differences in human behavior which affect the practice of psychology. Reviews current science examining the relations between these factors and human behavior, psychopathology, and provision of psychological services.

Note: Expected to be given in 2010–11. Expected to be given in 2010–11. Limited to Harvard doctoral students in clinical psychology.

***Psychology 2436r. Social Neuroscience and Psychopathology Laboratory - (New Course)**

Catalog Number: 9962

Christine Hooker

Half course (fall term; repeated spring term). Hours to be arranged.

Provides instruction and experience in conducting research on social cognitive processes as they relate to psychopathology. Cognitive neuroscience methods, such as fMRI, are emphasized.

Prerequisite: Psychology 18



***Psychology 2441. Clinical Neuroscience - (New Course)**

Catalog Number: 7913

Diego Pizzagalli

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Provides a comprehensive review of neuroscientific approaches to understanding key biological systems involved in various forms of psychopathology. Implications for treatment and diagnosis will be emphasized. Open to advanced undergraduates with permission of instructor.

Prerequisite: Psychology 18 or MCB 80.

[*Psychology 2445. Psychological Treatment Research]

Catalog Number: 1835

Matthew K. Nock

Half course (spring term). Hours to be arranged.

Review theories of behavior change, methods of studying such change (single-case research designs, randomized clinical trials, etc.), and current evidence-based approaches to assessing and treating psychopathology. Examines historical, ethical, and cultural issues.

Note: Expected to be given in 2009–10. Open to undergraduates with permission of instructor.

Prerequisite: Psychology 1 and Psychology 18.

Psychology 2446r. Clinical Research Laboratory

Catalog Number: 5628

Jill M. Hooley

Half course (fall term; repeated spring term). Hours to be arranged.

Provides instruction and experience conducting clinical research in laboratory and clinical settings, with a special focus on severe psychopathology. Topics will include: Self-Injurious behaviors, depression, and adult attachment patterns in close relationships.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

[*Psychology 2460. Diagnostic Interviewing]

Catalog Number: 4157 Enrollment: Limited to 12.

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Students develop clinical interviewing and diagnostic skills using the Structured Clinical Interview for DSM-III-R and other instruments. Examines issues in diagnosis and assessment; provides exposure to psychopathology syndromes via tapes and clinical interviews.

Note: Expected to be given in 2009–10. Graduate students only.

Prerequisite: Psychology 2040.

Psychology 2461r. Laboratory for Clinical and Developmental Research

Catalog Number: 8042

Matthew K. Nock

Half course (fall term; repeated spring term). F., at 3. EXAM GROUP: Fall: 8

Provides instruction and experience in conducting clinical research in laboratory and clinical settings, with a special focus on developmental psychopathology.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.



***Psychology 2464r (formerly *Psychology 2464). Research Methods in Child & Adolescent Clinical Psychology - (New Course)**

Catalog Number: 4638

John R. Weisz

Half course (spring term). Hours to be arranged.

Advanced laboratory methods seminar on designing and conducting research on child and adolescent mental health problems and interventions, especially in school and mental health care settings. Problem areas include depression, anxiety, and disruptive conduct.

Note: The class will be conducted at the Judge Baker Children's Center in Boston.

Prerequisite: For undergraduates: PSY 1 and PSY 18 plus a statistics course.

***Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar**

Catalog Number: 4335

William P. Milberg (Medical School)

Half course (fall term). Tu., 4:30–6:30. EXAM GROUP: 18

Introduction to the anatomical structure of the human brain. Emphasis on neuropsychological correlates and cortical representation of higher cognitive functions. Gross brain dissection laboratory and discussions of descriptive and theoretical aspects of clinical neuropsychological phenomena.

Note: Preference given to graduate students who have completed Psychology 2010; if space is available, qualified undergraduates who have taken MCB 80 may enroll with permission of instructor.

[Psychology 2482. Neuropsychological Assessment]

Catalog Number: 3669 Enrollment: Limited to 12.

William P. Milberg (Medical School)

Half course (fall term). 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 2009–10. Preference given to graduate students who have completed Psychology 2010 and Psychology 2480; if space is available, qualified undergraduates who have taken MCB 80 may enroll with permission of instructor.

***Psychology 2500. Advanced Social Psychology**

Catalog Number: 5094

Daniel M. Wegner

Half course (spring term). W., 10–12.

Advanced survey of classic and current research and theory in social psychology, including self, social cognition, attitudes, social influence, altruism and aggression, prejudice and discrimination, close relationships, and group dynamics.

Note: For doctoral students only.

***Psychology 2530r. Mental Control: Research Seminar**

Catalog Number: 2364

Daniel M. Wegner



Half course (fall term; repeated spring term). F., at 12, and research hours to be arranged.

EXAM GROUP: 5

Note: Limited to graduate students and undergraduates involved in research in the instructor's laboratory.

Prerequisite: For undergraduates: Psychology 1 plus any one of Psychology 13, 15, 16, 18, or MCB-80.

[*Psychology 2552. Moral Cognition]

Catalog Number: 2142

Joshua D. Greene

Half course (spring term). Hours to be arranged.

Examines morality from cognitive, developmental, neuroscientific, evolutionary, and philosophical perspectives. Emphasizes new research on moral judgment using cognitive and neuroscientific methods.

Note: Expected to be given in 2009–10. Undergraduates admitted with permission of instructor.

***Psychology 2553r. Decision Making and Negotiation: Research Seminar**

Catalog Number: 4679

Max H. Bazerman (Business School)

Half course (fall term; repeated spring term). Hours to be arranged.

This seminar provides lab experience in behavioral approaches to decision making and negotiation.

Note: Open to students working on research in the instructor's laboratory. Offered jointly with the Business School as 4425.

***Psychology 2554r. Moral Cognition: Research Seminar**

Catalog Number: 9481

Joshua D. Greene

Half course (fall term; repeated spring term). Hours to be arranged.

Year long lab course for students engaged in research on moral cognition.

***Psychology 2555r. Emotion and Decision Making: Research Seminar - (New Course)**

Catalog Number: 3371

Jennifer Lerner (Kennedy School)

Half course (fall term; repeated spring term). Hours to be arranged.

Includes 10-12 hours of lab work per week. Lab methods course to consider connections among theories of judgement and decision making and data. Students may design and conduct an experiment.

Note: A 10-page final research paper is required. Admitted students required to participate for two consecutive semesters, which may include a summer session if desired.

***Psychology 2570r. Intergroup Relations: Research Seminar**

Catalog Number: 4440

James Sidanius

Half course (fall term; repeated spring term). Th., 5–7 pm.

The seminar provides students with research experience concerning different forms of intergroup



conflict, including the social psychology of interracial and interethnic conflict, and the social psychology of war and aggression.

***Psychology 2580r. Affective Forecasting: Research Seminar**

Catalog Number: 4262

Daniel T. Gilbert

Half course (fall term; repeated spring term). Hours to be arranged.

Topic to be announced.

Note: Open to students working on research in the instructor's laboratory.

[*Psychology 2590. Controversies in Emotion Research]

Catalog Number: 1163

Wendy Mendes

Half course (spring term). Hours to be arranged.

Theoretical and empirical issues related to emotion from a psychological perspective. Topics include biological and neuropsychological foundations, developmental changes, functional theories, social and cultural construction, and the influence of emotion on health and well-being.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. Open to graduate students only.

[*Psychology 2600. Consciousness] - (New Course)

Catalog Number: 6812

Daniel M. Wegner

Half course (spring term). W., 1–3:30. EXAM GROUP: 6, 7

Examines the experimental study of consciousness, including both normal awareness and altered or disordered conscious states.

Note: Expected to be given in 2009–10. Undergraduates may enroll with permission of instructor.

Prerequisite: For undergraduates: any Tier 2 course (PSY 13, PSY 15, PSY 16, PSY 18, MCB 80).

***Psychology 2610r. Social Psychophysiology: Research Seminar**

Catalog Number: 0190

Wendy Mendes

Half course (fall term; repeated spring term). M., 6–7:30 p.m.

This seminar provides lab experience in physiological acquisition obtained from studies examining stress, motivation, and emotion.

Note: Limited to graduate students and undergraduates involved in research in the instructor's laboratory.

Prerequisite: For undergraduates: Psychology 1; plus one from Psychology 13, Psychology 15, Psychology 16, Psychology 18, or MCB-80.

***Psychology 2630. Social Behavior in Organizations: Seminar**

Catalog Number: 0991

J. Richard Hackman

Half course (fall term). Th., 11:30–1. EXAM GROUP: 13, 14



Topics include how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team effectiveness; power, political, and intergroup dynamics; group and organizational leadership.

Note: Limited to doctoral students. Students are expected to attend the lectures of Psychology 1501.

***Psychology 2640r. The Understand Seminar**

Catalog Number: 7865

Mahzarin R. Banaji

Half course (fall term; repeated spring term). W., 2:30–4:30. EXAM GROUP: 7, 8, 9

Topic to be announced.

Note: Open to graduate students involved in research in the instructor's laboratory, and to select juniors and seniors.

***Psychology 2650. Behavioral Approaches to Decision Making and Negotiation**

Catalog Number: 7147

Max H. Bazerman (Business School)

Half course (spring term). M., 3–6. EXAM GROUP: 8, 9

Research overview of behavioral decision making and decision analytic perspectives to negotiation. Explores bounded rationality, decision biases, human decision making. Develops a behavioral decision perspective to negotiation, and examines how the field is currently evolving.

Note: Offered jointly with the Business School as 4420. Open to juniors and seniors in psychology and economics who are writing, or plan to write, a senior thesis.

***Psychology 2660r. Research Seminar in Mindfulness Theory**

Catalog Number: 4909

Ellen J. Langer

Half course (fall term; repeated spring term). Hours to be arranged.

Mindlessness/mindfulness theory is compared/contrasted to relevant theories in social psychology, psychopathology, and cognitive psychology.

***Psychology 2670a. Decision Making I**

Catalog Number: 1193

Ellen J. Langer

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Decision theory and research, including the illusions of predictability, probability and control; rational/irrational models of decision-making; interpersonal decisions; risk-taking; learned helplessness; and mindfulness examined in applied contexts, with special focus on health.

Note: Open to qualified undergraduates.

***Psychology 2670b. Decision Making II**

Catalog Number: 3434

Ellen J. Langer

Half course (spring term). Tu., 1:30–3:30. EXAM GROUP: 15, 16, 17

A deeper exploration into the theoretical and experimental issues, pertaining to decision making and mindfulness, raised in Psychology 2670a.



Note: Open to qualified undergraduates.

Prerequisite: Psychology 2670a or PSY 1571a

[*Psychology 2751. Free Will, Responsibility, and Law]

Catalog Number: 7235

Joshua D. Greene

Half course (fall term). Hours to be arranged.

Examines the issues of free will and responsibility from philosophical, psychological, and neuroscientific perspectives, with special attention paid to potential legal applications.

Note: Expected to be given in 2009–10.

Prerequisite: For undergraduates: Psychology 1; plus Psychology 13, 15, 16, or 18.

***Psychology 2752. Personality Disorders Seminar**

Catalog Number: 8245

Christine Hooker

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

We explore current theory and research on the definition, etiology, phenomenology, and treatment of personality disorders. Biological, cognitive, behavioral, and psychosocial perspectives are examined.

Note: Open to graduates and advanced undergraduates.

Prerequisite: Psychology 1 and Psychology 18.

***Psychology 2851r. Affective Neuroscience: Research Seminar**

Catalog Number: 4937

Diego Pizzagalli

Half course (fall term; repeated spring term). Fall: W., at 5:30; Spring: W., at 3. EXAM GROUP: Fall: 9; Spring: 8

Provides lab experience in conducting research in the field of affective neuroscience. Students learn to design and conduct experiments and perform data analysis of behavioral, EEG, and fMRI data.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

Cross-listed Courses

African and African American Studies 241. Topics in African American Social Science
[Music 235r. Cognitive Theories of Music]

Graduate Courses of Reading and Research

***Psychology 3010. Special Reading and Research**

Catalog Number: 7858

George Angelo Alvarez 6093, Mahzarin R. Banaji 4258, Randy L. Buckner 5370 (on leave 2008-09), Alfonso Caramazza 1871, Susan E. Carey 4113 (on leave spring term), Daniel T. Gilbert 2359, Joshua D. Greene 5594 (on leave fall term), J. Richard Hackman 1504, Marc D. Hauser 3347 (on leave fall term), Christine Hooker 5768, Jill M. Hooley 1191, Stephen M. Kosslyn 7836, Ellen J. Langer 4967, Richard J. McNally 2978, Wendy Mendes 5033, Jason P. Mitchell



5481, Ken Nakayama 2558 (on leave 2008-09), Matthew K. Nock 4645, Steven Pinker 4733, Diego Pizzagalli 4425, Daniel L. Schacter 2805, James Sidanius 5371, Jesse Snedeker 4118 (on leave fall term), Elizabeth S. Spelke 3850, Daniel M. Wegner 3758, John R. Weisz 6001, and Yaoda Xu 6094

***Psychology 3020. Direction of Doctoral Dissertations**

Catalog Number: 4492

Members of the Department and others listed under Psychology 3010

***Psychology 3050. Clinical Practicum**

Catalog Number: 6299

Jill M. Hooley 1191, Richard J. McNally 2978, and Matthew K. Nock 4645

Half course (fall term; repeated spring term). Hours to be arranged.

Students work in clinical settings locally and, under supervision, are directly involved in the treatment and clinical care of patients.

Note: Limited to Harvard doctoral students in clinical psychology.

***Psychology 3070. Clinical Assessment and Treatment Practicum**

Catalog Number: 4439

Jill M. Hooley 1191 and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Faculty interview psychiatric inpatients to demonstrate establishing treatment alliances, gathering histories, and initial assessment. Group discussion will consider how theoretical principles are applied to clinical work.

Note: Limited to graduate students in clinical psychology.

[*Psychology 3080. Practicum in Clinical Neuropsychological Assessment]

Catalog Number: 3583

William P. Milberg (Medical School) 7912

Half course (spring term). Hours to be arranged.

Seminar for advanced doctoral students in clinical psychology; uses a case conference format to discuss the administration and interpretation of neuropsychological tests. Emphasizes integrating scientific literature and methods into the process of clinical decision making.

Note: Expected to be given in 2009–10. Limited to Harvard doctoral students in clinical psychology.

Prerequisite: Psychology 2480 and 2482.

***Psychology 3200. Research Seminar in Experimental Psychopathology/Clinical Psychology**

Catalog Number: 6455

Matthew K. Nock 4645 and Diego Pizzagalli 4425

Half course (fall term; repeated spring term). W., 4–5:30.

Provides a forum for presenting and discussing current research in experimental psychopathology/clinical psychology. Presenters include graduate students, faculty, and outside speakers.



***Psychology 3220 (formerly *Psychology 2220a). Developmental Studies: Seminar**

Catalog Number: 4672

Elizabeth S. Spelke 3850

Half course (fall term; repeated spring term). M., 2:30–4.

Research seminar open to graduate students conducting research in cognitive development.

***Psychology 3240. Research Seminar in Cognitive Development**

Catalog Number: 5142

Elizabeth S. Spelke 3850

Half course (fall term; repeated spring term). Fall: Tu., 2:30–4; Spring: Tu., 2:30–4:30. EXAM

GROUP: Fall: 16, 17; Spring: 16, 17, 18

[*Psychology 3250. Psychological Testing]

Catalog Number: 7164

Marla D. Eby (Medical School) 5333

Half course (spring term). Hours to be arranged.

This weekly seminar for graduate students in clinical psychology is designed to provide basic skills in administering and interpreting standardized tests in the areas of intellectual assessment and personality assessment.

Note: Expected to be given in 2009–10. Open to Harvard doctoral students in clinical psychology.

***Psychology 3260 (formerly *Psychology 2360). Conceptual Development: Research Seminar**

Catalog Number: 6601

Susan E. Carey 4113 (on leave spring term)

Half course (fall term). Hours to be arranged.

Covers research methods for the study of conceptual development throughout the life span. All students must be currently engaged in experimental research.

***Psychology 3270 (formerly *Psychology 2270). Language Acquisition: Research Seminar**

Catalog Number: 0770

Jesse Snedeker 4118 (on leave fall term)

Half course (spring term). Hours to be arranged.

Covers research methods for language acquisition and language comprehension throughout the life span. All students must be currently engaged in experimental research.

***Psychology 3340. Research Seminar in Cognition, Brain, and Behavior**

Catalog Number: 1754

Jason P. Mitchell and members of the Department

Half course (fall term; repeated spring term). Th., 12–1:30.

Researchers in CBB, including graduate students, postdoctoral fellows, and faculty, present and discuss current research in cognitive science. Topics include memory, language, vision, mental imagery, concepts, animal and infant cognition, and related areas.



***Psychology 3360. Current Topics in Vision and Sensory Processes**

Catalog Number: 0604

George Angelo Alvarez 6093

Half course (fall term; repeated spring term). Fall: Tu., at 12; Spring: Tu., 12–1:30.

[*Psychology 3400. Developmental Psychopathology Research Workshop]

Catalog Number: 3205

Matthew K. Nock 4645

Half course (fall term; repeated spring term). Hours to be arranged.

Research presentation series aimed at understanding developmental influences on the occurrence of psychopathology. This workshop welcomes graduate students, faculty, and other scientists from divergent research areas to facilitate cross-disciplinary advances on developmental psychopathology.

Note: Expected to be given in 2009–10.

***Psychology 3420. Research Workshop in Social Psychology**

Catalog Number: 7610

Wendy Mendes 5033

Half course (fall term; repeated spring term). Tu., 12–1:30.

Provides a forum for the presentation, discussion, and critique of current research in social psychology. Presenters include graduate students and faculty in social psychology plus visitors.

***Psychology 3490. Advanced Statistical Methods Workshop - (New Course)**

Catalog Number: 8235

Wendy Mendes 5033

Half course (fall term; repeated spring term). M., at 12.

Discussion and presentation of advanced statistical techniques. Experts will present on specific topics such as Hierarchical Linear Modeling, Structural Equation Modeling, MDS, and Network Analysis, among others.

***Psychology 3500. The Human Mind: Talking Points**

Catalog Number: 5341

Steven Pinker 4733

Half course (spring term). Th., 3:30–5:30.

A graduate companion course to “The Human Mind,” which explores the theories and controversies in greater depth. Topics include nature and nurture, reductionism, determinism, religion and science, consciousness, violence, politics, sex differences, and rationality.

Note: Enrollment is limited to teaching fellows for “The Human Mind” and graduate students who have obtained the permission of the instructor.

***Psychology 3550. Teaching Psychology**

Catalog Number: 0853

Mahzarin R. Banaji 4258

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

Daniel T. Gilbert 2359 and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Normally required of and limited to department graduate students who are first-time teaching fellows.

***Psychology 3600. The Origins of Knowledge: Talking Points**

Catalog Number: 0489

Elizabeth S. Spelke 3850

Half course (fall term). Hours to be arranged.

Graduate companion course to Origins of Knowledge, which explores the theories and controversies in greater depth. Topics include the evolutionary, cultural, and ontogenetic origins of representational capacities, including space, number, objects, agents, language, and intuitive theories.

Note: Limited to students in the Psychology Department or to those who have obtained permission of the instructor.

***Psychology 3610. Leadership and Group Behavior: Research Seminar**

Catalog Number: 5748

J. Richard Hackman 1504

Half course (fall term; repeated spring term). W., 12–2.

Workshop on theory and methods that are relevant to the conduct of empirical research on purposive groups. Participation is restricted to students who are conducting such research.

[*Psychology 3800. Psychometric Theory]

Catalog Number: 0607

Richard J. McNally 2978

Half course (fall term). Hours to be arranged.

Covers basic psychometric theory and methods essential for reliable and valid measurement.

Reliability, validity, and generalizability reviewed. Detailed survey of techniques used to create and evaluate a scale.

Note: Expected to be given in 2009–10.

***Psychology 3900 (formerly *Psychology 2900). Professional Ethics**

Catalog Number: 6702

Jill M. Hooley 1191

Half course (spring term). Tu., 2–4.

Examines ethical principles and legal issues involved in the practice of psychology, with an emphasis on clinical psychology. Covers ethical principles and code of conduct; uses case examples to highlight the application of these principles.

Note: Limited to graduate students.



Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Policy

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*) (*Chair*)

Alberto Abadie, Professor of Public Policy (*Kennedy School*)

Arthur I. Applbaum, Professor of Ethics and Public Policy (*Kennedy School*)

Iris Bohnet, Professor of Public Policy (*Kennedy School*)

George J. Borjas, Robert W. Scrivner Professor of Economics and Social Policy (*Kennedy School*)

William C. Clark, Harvey Brooks Professor of International Science Public Policy and Human Development (*Kennedy School*)

Pepper D. Culpepper, Associate Professor of Public Policy (*Kennedy School*)

Susan M. Dynarski, Associate Professor of Public Policy (*Kennedy School*)

David T. Ellwood, Scott Black Professor of Political Economy (*Kennedy School*)

Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)

Ricardo Hausmann, Professor of the Practice of Economic Development (*Kennedy School*)

Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies (*Kennedy School*)

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Asim I. Khwaja, Associate Professor of Public Policy (*Kennedy School*)

David C. King, Lecturer in Government (*Kennedy School*)

David M. Lazer, Associate Professor of Public Policy (*Kennedy School*)

Jeffrey B. Liebman, Malcolm Wiener Professor of Public Policy (*Kennedy School*)

Erich Muehlegger, Assistant Professor of Public Policy (*Kennedy School*)

Rohini Pande, Mohammed Kamal Professor of Public Policy (*Kennedy School*)

Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*)

Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)

Stephen Martin Walt, Robert and Renee Belfer Professor of International Affairs (*Kennedy School*)

Richard J. Zeckhauser, Frank Plumpton Ramsey Professor of Political Economy (*Kennedy School*)

The doctoral program in Public Policy trains qualified candidates to shape the direction of public policy research and to prepare the next generation of teachers for programs in public policy. It also qualifies individuals to perform high-level policy analysis and prepares them for positions of leadership in the public sector. Interested applicants should contact the John F. Kennedy School of Government for application material.

All PhD candidates must demonstrate mastery of six fields of study through a combination of course work and written and oral examinations. A sophisticated understanding of the core materials in the MPP program at the Kennedy School, and a demonstrated ability to apply



analytic techniques to a field of policy are critical components of the faculty decision to recommend a student to the Graduate School of Arts and Sciences for the dissertation phase of study. Once admitted to the GSAS, a student is expected to work closely with a faculty adviser and dissertation committee. Most dissertations involve the application of analytic techniques to the solution of a substantive problem. A few methodological theses concentrate on developing new analytic techniques, their usefulness to be demonstrated through explicit application to a policy issue.

For more information about the doctoral program, visit the program website at www.ksg.harvard.edu/degrees/phd/pp.

The Study of Religion

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Study of Religion

Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society (*Chair*)
 Ryuichi Abe, Reischauer Institute Professor of Japanese Religions
 Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
 M. Shahab Ahmed, Assistant Professor of the Study of Religion
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
 Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology (*Divinity School*)
 Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy (*on leave spring term*)
 Francis Fiorenza, Charles Chauncey Stillman Professor of Roman Catholic Theological Studies (*Divinity School*) (*Director of ThD Studies*)
 Marla F. Frederick, Associate Professor of African and African American Studies and of the Study of Religion (*on leave 2008-09*)
 Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature
 Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)
 William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (*FAS*), John Lord O'Brian Professor of Divinity, Dean of the Faculty of Divinity (*Divinity School*)
 Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*) (*Director of Graduate Studies*)
 Charles Hallisey, Senior Lecturer on Buddhist Literature (*Divinity School*)
 Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture
 Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society



Christopher P. Jones, George Martin Lane Professor of the Classics and of History
Tamsin Jones, Lecturer on the Study of Religion (*Director of Undergraduate Studies*)
Karen L. King, Winn Professor of Ecclesiastical History (*Divinity School*)
Smita Lahiri, Associate Professor of Anthropology
David Lamberth, Professor of Theology (*Divinity School*)
Jacob Olupona, Professor of African and African American Studies and Professor of African Religious Traditions (*FAS*), Professor of African Religious Traditions (*Divinity School*) (*on leave spring term*)
Parimal G. Patil, John L. Loeb Associate Professor of the Humanities (*on leave 2008-09*)
Kimberley C. Patton, Professor of the Comparative and Historical Study of Religion (*Divinity School*)
Michael J. Puett, Professor of Chinese History (*on leave 2008-09*)
Jonathan Schofer, Assistant Professor of Comparative Ethics (*Divinity School*)

Other Faculty Offering Instruction in the Study of Religion

M. Shahab Ahmed, Assistant Professor of the Study of Religion
François Bovon, Frothingham Professor of the History of Religion (*Divinity School*)
Ann D. Braude, Senior Lecturer in American Religious History (*Divinity School*)
David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*) (*on leave 2008-09*)
Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology (*Divinity School*)
Harvey G. Cox, Jr., Hollis Professor of Divinity (*Divinity School*)
Nicola F. Denzey, Lecturer on the Study of Religion
John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature
Arthur J. Dyck, Mary B. Saltonstall Professor of Population Ethics (*Public Health, Divinity School*)
Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)
David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)
Charles Hallisey, Senior Lecturer on Buddhist Literature (*Divinity School*)
Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*)
Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies
David Neil Hempton, Alonzo L. McDonald Family Professor of Evangelical Theological Studies (*Divinity School*)
Albert Henrichs, Eliot Professor of Greek Literature (*on leave spring term*)
Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
Amy Hollywood, Elizabeth H. Monrad Professor of Christian Studies (*Divinity School*)
Michael D. Jackson, Visiting Professor of World Religions (*Divinity School*)
Baber Johansen, Professor of Islamic Studies (*Divinity School*)
Beverly M. Kienzle, John H. Morison Professor of the Practice of Latin and Romance Languages, Lecturer on Medieval Christianity, and Director of Language Studies (*Divinity School*)
Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical*)



School)

James T. Kloppenberg, Charles Warren Professor of American History (*on leave 2008-09*)
 Helmut H. Koester, John H. Morison Research Professor of New Testament Studies and Winn
 Research Professor of Ecclesiastical History (*Divinity School*)
 Smita Lahiri, Associate Professor of Anthropology
 Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
 David Little, T. J. Dermot Dunphy Professor of the Practice in Religion, Ethnicity, and
 International Conflict (*Divinity School*)
 Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages (*on leave 2008-09*)
 David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave spring term*)
 Roy Mottahedeh, Gurney Professor of History
 Laura S. Nasrallah, Assistant Professor of New Testament and Early Christianity
 Christopher S. Queen, Lecturer on the Study of Religion
 Jonathan Schofer, Assistant Professor of Comparative Ethics (*Divinity School*)
 Elisabeth Schüssler Fiorenza, Krister Stendahl Professor of Divinity (*Divinity School*)
 P. Oktor Skjaervo, Aga Khan Professor of Iranian (*on leave fall term*)
 Charles Stang, Assistant Professor of Early Christian Thought (*Divinity School*)
 Donald K. Swearer, Visiting Professor of Buddhist Studies (*Divinity School*)
 Ronald Thiemann, Professor of Theology and of Religion and Society (*Divinity School*)
 Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian
 Studies (*on leave fall term*)
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 Preston N. Williams, Houghton Research Professor of Theology and Contemporary Change
 (*Divinity School*)

Courses listed in this section are offered by the Committee on the Study of Religion and by various departments. The Committee is responsible for the program of concentration for undergraduates in the Comparative Study of Religion and for the program of studies leading to the PhD in The Study of Religion. Undergraduate concentrators may, with the prior approval of the Head Tutor, take courses offered by other departments and by the Divinity School for credit toward concentration requirements. Candidates for higher degrees also should consult other sections of this catalog relevant to their programs and the catalog of the Divinity School. Cross registration is required for all Divinity School courses. Many courses have separate requirements for undergraduate, masters, and doctoral students, and wherever possible also have separate discussion sections.

Courses numbered 10–999 are Primarily for Undergraduates; 1000–1999, For Undergraduates and Graduates; and 2000–2999, Primarily for Graduates.

Subsequently, courses are distributed according to their last three digits in the following sections:

000–099 General: Comparative and Methodological

100–199 Ancient Near Eastern and Israelite



200–299 Judaic

300–349 Greek, Hellenistic, and Roman

350–399 Iranian and Central Asian

400–499 Christianity

500–599 Modern Western

600–699 Hinduism

700–799 Buddhism

800–899 Islam

900–999 African and Other

Tutorials in the Comparative Study of Religion

Primarily for Undergraduates

***Religion 91r. Supervised Reading and Research**

Catalog Number: 8046

Tamsin Jones

Half course (fall term; repeated spring term). Hours to be arranged.

Study of special topics in the history and comparative study of religion on an individual or small-group basis.

Note: May not be taken Pass/Fail. Normally open only to concentrators. Permission of Head Tutor required.

***Religion 97 (formerly *Religion 97a and 97b). Tutorial - Sophomore Year**

Catalog Number: 2313

Tamsin Jones

Half course (spring term). Th., 2–4.

Note: Required of concentrators.

***Religion 98a. Tutorial — Junior Year**

Catalog Number: 2832

Tamsin Jones

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 98b. Tutorial — Junior Year**

Catalog Number: 2922

Tamsin Jones



Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 99. Tutorial — Senior Year**

Catalog Number: 6498

Tamsin Jones

Full course. Spring: Tu., 4–5:30.

A required component of the senior year tutorial is a monthly seminar, led by the Assistant Head Tutor. Covers research methods and strategies in thesis writing in the fall, becoming an intensive review for general examinations in the spring.

Note: Required of concentrators.

Introductory Courses

Primarily for Undergraduates

[Religion 11. World Religions Today: Diaspora, Diversity and Dialogue]

Catalog Number: 4811

Diana L. Eck

Half course (fall term). Tu., Th., 11:30–1; . EXAM GROUP: 13, 14

An introduction to five of the world's religious traditions --Hindu, Buddhist, Jewish, Christian, and Muslim-- through the voices of modern adherents and interpreters. How do people in each tradition articulate their faith in the context of the modern world and its many forms of diaspora and globalization? How do they think about the challenges of religious pluralism? What are the tensions within traditions? Between traditions? In a world of religious difference, what does dialogue mean?

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3220.

Religion 17. Myth in History: An Introduction to Religion and to the Study of Religion - (New Course)

Catalog Number: 5462

Charles Hallisey (Divinity School)

Half course (fall term). Tu., Th., 11, and a weekly section to be arranged. EXAM GROUP: 13

W. C. Smith said, "the mythical can be seen as what has made human history human." Taking up this idea, this course considers myth as a basic religious phenomena; introduces four religious complexes (Ancient Greek, Christian, Islamic, and Hindu) by looking at the place of myth in each; traces the role that the category of myth has played in the academic study of religion; explores the place of myth in modern critical thinking.

Note: Offered jointly with the Divinity School as 3841.

Religion 19. Religious Belief and Moral Action

Catalog Number: 0069

Donald K. Swearer (Divinity School)

Half course (spring term). Tu., Th., 10–11:30 and a 60 minute discussion section: tba. EXAM GROUP: 12, 13

An exploration of the relationship between religion and morality. Basic ethical concepts in



Christianity, Hinduism, and Buddhism will be studied in relationship to their cosmological, epistemological, and theological frameworks. The course will explore the concepts of virtue, love, justice, nonviolence, and the moral exemplar through the life and writing of Dorothy Day, Martin Luther King Jr., Malcolm X, Mahatma Gandhi, Abd al-Ghaffar Khan, and Thich Nhat Hanh.

Note: Offered jointly with Divinity School as 3571.

Religion 42. The Christian Bible and Its Interpretations

Catalog Number: 5870

Peter J. Gomes (Divinity School)

Half course (fall term). W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Introduction to the Christian conception of scripture from the closing of the Canon to the Fundamentalist/Modernist controversy. Topics considered include the relationship of scripture to tradition, appropriation of Hebrew scripture, exegetical and hermeneutical theories, and scripture and culture. Particular attention paid to the development of theories of scriptural authority and their social consequences within the Western Christian experience and American Protestantism.

Note: Offered jointly with the Divinity School as 1210.

Religion 43. The Making of Christianity

Catalog Number: 3257

Nicola F. Denzey

Half course (spring term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

What is "Christianity"? Where did it come from? How did religious leaders from Paul to Patrick and Augustine navigate the diverse teachings, rituals, and social practices of Jesus and his followers, or else create their own arguably equally authentic Christianity? How did a single "Christianity" emerge from a welter of alternatives and possibilities? Or did it? Special emphasis will be given to the careful study of primary sources, questions of historiography, and Christianity across cultures.

Note: Offered jointly with the Divinity School as 2324.

Religion 45. Introduction to Christian Thought - (New Course)

Catalog Number: 9030

Tamsin Jones

Half course (fall term). M., W., at 10. EXAM GROUP: 3

An introductory survey of Christian thought from its origins to the present. Attention given to tracking the intellectual trajectories of Eastern Orthodox, Catholic, and Protestant thought. Topics covered include theories of redemption and salvation, the identity and function of Jesus Christ, understandings of the self in relation to God, and different notions of community. Primary readings include Origen, Augustine, Anselm, Aquinas, Palamas, Julian of Norwich, Luther, Barth, Lossky, Balthasar, Gutierrez, Daly and Cone.

Religion 55. The "Death of God"? Modern and Postmodern Responses to Religion - (New Course)

Catalog Number: 5407

Tamsin Jones

Half course (spring term). M., W., F., at 1, and an hour to be arranged. EXAM GROUP: 6



What is the significance of Nietzsche's announcement of the "death of God"? Upon what modern critiques of religion does it rest? In later postmodern thought, how have the emphases on the "other", "hospitality to the stranger", and "alterity" been construed as a "re-turn" to religion? This course examines the changing understandings of religion and of God in Enlightenment and post-Enlightenment thought. Readings include Kant, Locke, Kierkegaard, Nietzsche, Buber, Levinas, Derrida and Irigaray.

Note: Offered jointly with the Divinity School.

Religion 70. Introduction to Buddhism - (New Course)

Catalog Number: 1316

Janet Gyatso (Divinity School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A critical introduction to key ideas, values, people and institutions in Buddhist tradition. It will offer a chance to explore Buddhism's distinctive doctrines about human experience, to appreciate the richness of its disciplinary and meditative practices in varying historical contexts, and to read its best literary gems. It will seek to understand Buddhism's special modes of adaption as it spread across Asia, and its new profile in the modern world.

Note: Offered jointly with the Divinity School as 3830. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief and the Core area requirement for Foreign Cultures.

Cross-listed Courses

[African and African American Studies 12. What is Black Religion?: An Introduction]
[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures] - (New Course)

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies
Literature and Arts A-93. The Hebrew Bible and Its Worlds - (New Course)

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

[Moral Reasoning 76. Comparative Religious Ethics]

General: Comparative and Methodological

For Undergraduates and Graduates

[Religion 1001. Religion and Ethnography]

Catalog Number: 9270

Marla F. Frederick

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This course explores the use of ethnographic methods by anthropologists and scholars of religion as a means of interpreting the lived religious experiences of everyday people. Students will read contemporary ethnographies and conduct their own ethnographic research in order to discover how participant observation, interviews and other qualitative methods allow scholars to make sense of the very real religious sensibilities of worshipers, while simultaneously bringing to bear their own issues of subjectivity as ethnographers.

Note: Expected to be given in 2010–11.



[*Religion 1003. Comparative Religion: History, Challenges, Potential]

Catalog Number: 1694 Enrollment: Limited to 15. Limited to fifteen students, by written application at the first class meeting.

Kimberley C. Patton (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This seminar will offer an encounter with the comparative study of religion as a method, including contemporary discussions of its problems, value, and potential. Starting with a brief historical survey of important comparative approaches, we will read current theoretical works as well as representative works of application. The individual research project will feature the creation of a comparative course syllabus and accompanying rationale.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3828.

Religion 1005. World Religions in Boston: Seminar

Catalog Number: 2655 Enrollment: Limited. Application online.

Diana L. Eck

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Investigates religious traditions of the world in the dynamic context of the US, focusing on the presence of these traditions in the increasingly complex and diverse religious life of the Boston area today. Visits to a Hindu temple, a Sikh gurdwara, an Islamic Center, and a Buddhist temple or meditation center. Consideration of encounters, connections, and tensions with Christian and Jewish communities. Each student undertakes research on a particular community or issue in the Boston cosmopolis.

Note: Expected to be omitted in 2009-10. Offered jointly with the Divinity School as 3901.

Religion 1007. Religion in Multicultural America: Case Studies in Religious Pluralism

Catalog Number: 8833 Enrollment: Limited. Application online.

Diana L. Eck

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An exploration and analysis of the dynamic multi-religious landscape of the US with special focus on Muslim, Hindu, Buddhist, and Sikh traditions. In what contexts do minority religious communities encounter long-dominant Christian and Jewish communities? How is America changing as religious communities struggle with civic, constitutional, and theological issues, especially in the post-9/11 period? Reading, discussion, and class projects will focus on particular cases and controversies.

Note: Offered jointly with the Divinity School as 3847.

Religion 1009. Religion, Gender, and Politics in Transnational Perspective

Catalog Number: 9774

Leila N. Ahmed (Divinity School) and Ann D. Braude (Divinity School)

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

The use of gender as a category of analysis has transformed the study of religion. This course will explore a range of topics in women's studies across a range of religious contexts. Members of the faculty will introduce issues of women and gender from their specific disciplinary and theoretical perspectives.

Note: Offered jointly with Divinity school as 3223.



Religion 1011. The Tree at the Center of the World

Catalog Number: 9064 Enrollment: Limited to 25. Application at the first meeting.

Kimberley C. Patton (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This comparative conference course will examine historical and contemporary traditions of primordial, cosmic, and sacred trees in religion, folklore, mythology, and ritual, including the ways in which the special natural characteristics of trees have been interpreted metaphorically and metaphysically. We will consider primary iconographic and textual evidence as well as secondary sources. Individual research projects in particular traditions will be featured.

Note: Offered jointly with the Divinity School as 3823.

Religion 1029. Jewish-Christian Interaction and Conflict, ca. 200-1789 - (New Course)

Catalog Number: 0386

Kevin J. Madigan (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This course will examine the religious, social and economic relations that prevailed between Jews and Christians over 1500 years. Attention will be given to: Jesus of Nazareth in his context; Jews and Christians in antiquity; Jews before the First Crusade (1096); Crusade and Martyrdom; Shifts in Jewish-Christian relations in the 12th and 13th centuries; the Black Death and its consequences; Hasidism and Mysticism; the Spanish Inquisition and the Conversos; the Expulsion from Spain and select modern events.

Note: Offered jointly with the Divinity school as HDS 2212.

[*Religion 1030. Texts, Writers, and Readers]

Catalog Number: 2033 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (fall term). Hours to be arranged.

A reading and research colloquium focusing on the production and transmission of texts in vernacular languages, be these literary, historical, religious, etc. The social practices of authorship and reading in the west as these have persisted or been transformed, from the Renaissance and Reformation through the 19th century. The course draws on methods in the history of the book as well as in literary and cultural studies.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity school as 2389.

Religion 1035. Introduction to Comparative Religious Ethics: Character and a Good Life - (New Course)

Catalog Number: 6712

Jonathan Schofer (Divinity School)

Half course (spring term). Tu., Th., 11, and a weekly section to be arranged. EXAM GROUP: 12, 13

What does it mean to be a good person and live a good life? This course approaches such questions comparatively. Readings include primary sources from diverse cultures and also a range of methods and genres. The first half of the semester examines philosophical and religious responses from ancient Greece and China, and early Judaism. The later part of the course addresses modern cases through ethnography, psychology, political theory, and poetry.

Note: Offered jointly with the Divinity School as 3729.



Religion 1037. Methods in Comparative Religious Ethics and History of the Field - (New Course)

Catalog Number: 4466

Jonathan Schofer (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines the project and methods of comparative religious ethics: foundational works in the 1970s (Little and Twiss, R. Green), alternative proposals by historians of religion (Lovin and Reynolds, Reynolds and Tracy), and developments in the study of the self, virtue, and practices of ethical formation (Yearley, Carr and Ivanhoe, Stalnaker). The final weeks address current scholarship in the field.

Note: Offered jointly with the Divinity School as 3730.

[Religion 1039. Topics in Comparative Religious Ethics: Seminar]

Catalog Number: 2323

Jonathan Schofer (Divinity School)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

The specific themes of the seminar will vary from year to year, but the course will be organized around three or four key problems in the comparative study of religious ethics. Examples include: the foundations of normative claims; the significance of the body; the nature of reason or rationality; the dynamics of emotions, desires, and instincts; the relevance of categories such as the unconscious and the archaic; and various options for comparative scope and method.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3797.

Religion 1040. Introduction to Comparative Theology and Theology of Religions

Catalog Number: 3278

Francis X. Clooney (Divinity School)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course examines the processes by which theologians study other religions' theologies and bring this learning into dialogue with their own traditions through careful comparison, dialogical reflection and a subsequent, informed theology of religions. Readings include (by way of example) Hindu primary texts and texts from the Roman Catholic magisterial and theological traditions; students are encouraged to bring their knowledge of and interest in other traditions to the course. Prior knowledge of either tradition, though desirable, not required.

Note: Offered jointly with the Divinity School as 3101.

Prerequisite: Prior knowledge of either tradition, though desirable, is not required.

***Religion 1050. Democratizing Biblical Studies - (New Course)**

Catalog Number: 1722 Enrollment: Limited to 10.

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

The seminar discusses the multicultural character of biblical texts and intercultural analysis as a new interpretive approach in biblical studies. African, Asian, indigenous, Latin American, aboriginal, American Indian, Latina/o-Hispanic studies, as well as, ethnicity, feminist, womanist, black, queer, liberation theological, postcolonial, and third world studies, have begun to de-center the hegemonic paradigm of biblical studies. This emerging radical democratic paradigm



of biblical criticism is interdisciplinary, multi-vocal, ideology critical, and radical democratic.

Note: Offered jointly with the Divinity School as 1514.

Religion 1059. God, Hindu and Christian - (New Course)

Catalog Number: 7091

Francis X. Clooney (Divinity School)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course reflects on God in historical, theological, and spiritual terms, attending to classical Christian and Hindu traditions. Issues include: the definition of "God;" proof's for God's existence; God's relationship to the world, humans; divine embodiment; grace, revelation, way of knowing God. Treated also is the reflexive question: how might comparative study change our understanding of God? Paired with Hindu Goddesses and the Virgin Mary, this course does not specifically treat gender-related issues.

Note: Offered jointly with the Divinity School as 3751.

[Religion 1063. South Asian Religious Aesthetics: Seminar]

Catalog Number: 8607 Enrollment: Limited to 15.

Anne E. Monius (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of South Asian theories of aesthetics and their relevance for understanding Hindu, Buddhist, and Jain discourses of ethics, literature, and theology.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3925.

Prerequisite: Previous coursework in the religious history of South Asia.

[Religion 1064. Interreligious Dialogue: The Hindu-Christian Example]

Catalog Number: 6752

Francis X. Clooney (Divinity School)

Half course (fall term). Tu., Th., 10–11:30.

This course examines the purpose, history, challenges of interreligious dialogue, by select historical and current examples from the Hindu-Christian encounter: e.g., Jesuit missionary encounters with Hindu intellectuals, Protestant-Hindu dialogues and debates, 19th-20th century reconsiderations of Hindu/Christian identity, more contemporary debates involving figures like Swami Abhishiktananda, Bede Griffiths, Ram Swarup, Sita Ram Goel. Generalizations regarding other dialogues will occur regularly. Throughout, the theological significance of dialogue is the focus of attention.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3102.

Religion 1076. Religion and Politics in Current "Fundamentalist" Movements

Catalog Number: 8243

Harvey G. Cox, Jr. (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Why have so-called "fundamentalist" movements emerged in Judaism, Christianity and Islam in recent years? Why have they attracted so many people? How are they changing, and what future do they have? Is the term "fundamentalist" useful or misleading? We put these questions to such phenomena as TV evangelism, Christian Zionism, mega-churches and Opus Dei (Christian); the Muslim Brotherhood and Hamas (Islamic); Chabad Lubavitch and West Bank Settler Messianic



Zionism (Jewish).

Note: Offered jointly with the Divinity School as 2511.

Religion 1077. Islam Through Western Christian Eyes

Catalog Number: 7552 Enrollment: Limited to 12.

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Tu., 3–5.

From the time of the Prophet until today Christians have interpreted Islam in a variety of ways in literature, poetry, art, theology, and films. Many images are constantly re-circulated. Beginning with early and classical medieval and Reformation Christian depictions, we will then consider contemporary western images of Muslims and Islam and how these depictions influence western political and religious attitudes.

Note: Offered jointly with the Divinity School as 2544.

Prerequisite: Some previous study of Islam required.

Cross-listed Courses

Anthropology 1060. Archaeological Science

Anthropology 1630. Other People's Beliefs: The Anthropology of Religion

***Folklore and Mythology 98a (formerly *Folklore and Mythology 97b). Oral Literature and the History of Folkloristics**

***History 83c. Care of the Soul - (New Course)**

[Indian Studies 118. Indian Philosophy: Advanced Introduction]

[Moral Reasoning 76. Comparative Religious Ethics]

Primarily for Graduates

***Religion 2001. The History of the Study of Religion**

Catalog Number: 0644

Kimberley C. Patton (Divinity School) and William A. Graham, Jr. (Divinity School)

Half course (fall term). Th., 3–5.

An examination of the study of religion from early modernity to the present, with attention to key thinkers, methods, and theories.

Note: Limited to first-year doctoral students. Offered jointly with the Divinity School as 4599.

***Religion 2002. Contemporary Conversations in the Study of Religion: Seminar**

Catalog Number: 0803

Anne E. Monius (Divinity School) and Jonathan Schofer (Divinity School)

Half course (spring term). Tu., 3–5.

An engagement with the theoretical and methodological issues that scholars of religion deem to be the most urgent and compelling in the discipline today, across the various research areas.

Note: For all second-year doctoral students in the Study of Religion.

Religion 2030. Thinking About History in South Asia: Seminar

Catalog Number: 0070 Enrollment: Limited to 15.

Anne E. Monius (Divinity School)



Half course (fall term). Tu., 1–3.

This seminar offers an intensive examination of Euro-American and South Asian approaches to time and history and considers their importance for the study of South Asian religions.

Note: Limited to doctoral students and advanced masters-level students. Offered jointly with Divinity School as 3930.

Cross-listed Courses

[African and African American Studies 187. African Religions](#)

Graduate Courses of Reading and Research

***Religion 3005. Doctoral Colloquium in Religion, Gender, and Culture**

Catalog Number: 8016

Elisabeth Schüssler Fiorenza (Divinity School) 3193

Half course (fall term; repeated spring term). Spring: M., 3–5.

The colloquium will explore key-topics and works in women's/gender/feminist studies in religion.

Note: This colloquium is required for all pre-Generals doctoral students as well as for those admitted as ThM students in Religion, Gender and Culture. Doctoral students from other departments or BTI schools as well as advanced Master's level students who intend to apply to the RGC program or plan to major in this field of study should contact the instructor in advance. Offered jointly with the Divinity School as 2698.

Ancient Near Eastern and Israelite

Cross-listed Courses

[Ancient Near East 102. Introduction to Mesopotamian Religion]

[Ancient Near East 117. Biblical Archaeology]

[Ancient Near East 120. Introduction to the Hebrew Scriptures](#)

[Ancient Near East 135. Biblical Theology: Hebrew Bible]

[*Comparative Literature 211. Mysticism and Literature: Seminar](#)

[Early Iranian Civilizations 102. Old Iranian Religion/Zoroastrianism]

[Early Iranian Civilizations 103. Manicheism]

[Sumerian 146. Sumerian Religious Literature]

Judaic

For Undergraduates and Graduates

[Religion 1212a. Judaism: The Liturgical Year](#)

Catalog Number: 5679

Jon D. Levenson (Divinity School)

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 99

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). M., W., 10–11:30. EXAM GROUP: 99

A continuation of Religion 1212a.

Note: Offered jointly with the Divinity School as 1667b/3667b.

Prerequisite: Religion 1212a.

[Religion 1240. Time and Space in Rabbinic Judaism]

Catalog Number: 1200

Jonathan Schofer (Divinity School)

Half course (spring term). Hours to be arranged.

This course will examine the ways that spatiality and temporality were understood and made meaningful by the rabbis of Late Antiquity, whose thought and practice have shaped the religious life of Jews to the present day. Topics will include accounts of creation and the cosmos; memory and forgetting; the Temple, synagogues, and everyday spaces; and weekly, monthly, and annual ritual cycles. Readings will be in English translation.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3641.

Religion 1241. Classical Rabbinic Literature in Translation - (New Course)

Catalog Number: 9876

Jonathan Schofer (Divinity School)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines the texts of late ancient Rabbinic Judaism with emphasis on literary features. The primary focus is aggadah (non-legal material), including biblical interpretation concerning the Exodus and the revelation at Sinai, and passages from the Babylonian Talmud concerning mysticism, magic, miracles, martyrdom, myth, and dream interpretation. Readings in English translation.

Note: Offered jointly with the Divinity School as 3646.

[Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period]

Catalog Number: 2424

Jon D. Levenson (Divinity School)

Half course (fall term). M., W., 10–11:30.

An introduction to the way the rabbis of the Talmudic period interpreted their Bible. Close reading in English of a range of midrashic literature, halakhic and aggadic, exegetical and homiletical, Tannaitic and Amoraic. Emphasis on literary assumptions and theological affirmations. Some consideration of the affinities and contrasts of midrash with early Christian



biblical interpretation and with contemporary literary theory.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3669.

Cross-listed Courses

[Hebrew 148 (formerly Hebrew 240). Rabbinic Stories and Rabbinic Thought: Seminar]

[Hebrew 150a. Introduction to Rabbinic Literature]

[Jewish Studies 111. Modern Jewish Thought]

Greek, Hellenistic, Roman

For Undergraduates and Graduates

Cross-listed Courses

Literature and Arts C-14. Concepts of the Hero in Greek Civilization

Primarily for Graduates

Religion 2348ab. Archaeology and the World of the New Testament: Seminar

Catalog Number: 4069 Enrollment: Limited to 12.

Laura S. Nasrallah

Full course (spring term). Tu., 2–5.

The first half of the course introduces students to archaeological data from the Graeco-Roman world (inscriptions, architecture, sculpture, coins). The second half consists of seminars in Greece and Turkey during May and on-site meetings with 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. Undergraduates and graduate students welcome. Permission of the instructor required. Course may be divided with permission of instructor.

Christianity

For additional courses on Christian Studies, see the catalog of the Divinity School.

For Undergraduates and Graduates

Religion 1400. Introduction to the New Testament: History and Interpretation

Catalog Number: 4486

Laura S. Nasrallah

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 99

This course examines historical-critical approaches that set New Testament texts within their first and second-century contexts, pays special attention to archaeological materials which aid



our understanding of the diverse world of the Roman Empire from which these texts emerged, and considers how and why these particular texts came to be a canon. Students will also consider the vibrant and controversial contemporary contexts in which they and others interpret the New Testament.

Note: Offered jointly with the Divinity School as 1202.

Religion 1401. Early Christian Thought I: The Greek Authors - (New Course)

Catalog Number: 4950

Charles Stang (Divinity School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This introductory course will focus on the major Greek authors of the late antique Christian East (third through eighth centuries). Authors will include Origen, Athanasius, Basil of Caesarea, Gregory of Nazianzus, Gregory of Nyssa, Evagrius of Pontus, Pseudo-Dionysius the Areopagite, John Climacus, Maximus the Confessor, and John of Damascus.

Note: Offered jointly with the Divinity School as 1749.

Religion 1402. Early Christian Thought II: The Latin Authors - (New Course)

Catalog Number: 2577

Charles Stang (Divinity School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This introductory course will focus on the major Latin authors of the late antique Christian West (second through ninth centuries). Authors will include Tertullian, Ambrose, Jerome, Augustine, Cassian, Gregory the Great, Boethius, and John Scottus Eriugena.

Note: Offered jointly with the Divinity School as 1750.

Religion 1403. The Mystical Theology of Dionysius the Areopagite - (New Course)

Catalog Number: 4823

Charles Stang (Divinity School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

A close reading of the complete works of "Pseudo"-Dionysius the Areopagite, the late fifth or early sixth century theologian who wrote under the name of Paul's famous convert (Acts 17:34), and who is widely regarded as the foremost spokesman of the "apophatic" or "negative" mystical tradition. This course will devote most of its attention to the corpus itself, its sources and setting, but will also consider its influence on the East and the West, as well as its recent appropriation by postmodern philosophers and theologians.

Note: Offered jointly with the Divinity School as 1748.

Religion 1404. Early Christianity in the Roman Empire - (New Course)

Catalog Number: 9800

Laura S. Nasrallah

Half course (fall term). W., 10–12, and a weekly section to be arranged. EXAM GROUP: 3, 4

We shall read New Testament and early Christian literature to explore topics such as Paul and empire, early Christian apologetics, and martyrdom. These will in turn be explored in relation to the literature and especially the art and archaeology of the Roman Empire. Special focus will be given to materials of the first and second centuries CE. Key themes will include gender,



colonialism, violence, spectacle, the body, justice, and ancient definitions of religion and piety.

Note: Offered jointly with the Divinity School as 1518.

Religion 1405. Classics of Syriac Christian Literature - (New Course)

Catalog Number: 1786

Charles Stang (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

The aim of this course is to introduce students to the classic literature of Syriac Christianity, an ancient Christian community that stretched from the Eastern Mediterranean to the Indian Ocean, a community diverse in its beliefs and practices, prolific and accomplished in its literary output, and bound by a common language (Syriac, a dialect of Aramaic).

Note: Offered jointly with the Divinity School as 1755.

[Religion 1408. Ancient Christian Martyrdom] - (New Course)

Catalog Number: 9871

Karen L. King (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course will consider newly discovered works, as well as engage critical re-readings of well-known sources, around such topics as the politics of martyrdom, performance and ritual, gender, and intra-Christian controversies.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1501.

[Religion 1409. The New Testament, Biblical Studies, and Empire: Seminar]

Catalog Number: 3075 Enrollment: Limited to 15.

Laura S. Nasrallah

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Focuses on the intersection of the New Testament and postcolonial criticisms. Addresses both the Roman imperial context of early Christian texts and nineteenth- and twentieth-century approaches to the Bible, asking how Orientalism may be connected to the formation of biblical studies. Special attention paid to biblical archaeology, art history and renditions of the "Holy Land", and quests for the historical Jesus.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1887.

Religion 1410. Women, Sex, and Gender in Ancient Christianity - (New Course)

Catalog Number: 9539

Karen L. King (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

The course will examine early Christian practices and controversies around sex and gender, including women's leadership roles, sexual differentiation, and gender performance.

Note: Offered jointly with the Divinity school as 1505.

[Religion 1413. Paul's Letters and Their Interpreters: Ethnicity, Empire, the Body, and the End of the World]

Catalog Number: 8015

Laura S. Nasrallah

Half course (fall term). M., W., at 10. EXAM GROUP: 3



This introductory course focuses on 1) the Pauline epistles in their first-century context, and their earliest interpretations; 2) recent trends in Pauline studies, including feminist and postcolonial interpretation, the "New Perspective," and European philosophical treatments (Badiou, Zizek). Attention will be given to ideas of the gendered/enslaved body and its potential for transformation and pollution, ethnicity in the Roman world, the relations of communities to Roman imperial power, and views of time and the impending eschaton.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1544.

Religion 1416. Feminist Biblical Interpretation

Catalog Number: 3002

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). Tu., 1–3, and a weekly section Tu at 12. EXAM GROUP: 15, 16

A basic introduction to the emerging field of feminist biblical studies. We discuss different hermeneutical approaches, methods of interpretation, and theoretical perspectives. Special attention is given to historical interpretation and the significance of feminist hermeneutics for contemporary theological reflection and education for ministry. Lectures, group discussions, and presentations seek to foster a participatory style of learning.

Note: Offered jointly with the Divinity School as 1504/2558.

Religion 1418. The Apostle Paul: His Letters, His Cities, and His Legacy

Catalog Number: 7092

Helmut H. Koester (Divinity School)

Half course (spring term). Th., 3–5 with an additional hour to be arranged. EXAM GROUP: 99

Addresses the entire Pauline Corpus. Beginning with the genuine letters of Paul in the New Testament it will demonstrate the developments attested in canonical and apocryphal writings that assumed the mantle of Paul's authority after his death. Archaeological materials will elucidate the cultural and religious world of Paul's cities.

Note: Offered jointly by the Divinity School as 1525.

[Religion 1423. First Images of Christ—Earliest Christologies of the New Testament]

Catalog Number: 8983

François Bovon (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Will discuss the earliest forms of christology and their history. Starting from the Jewish messianic expectations of the first century CE., it will investigate the prophetic perspective of Jesus and christological concepts of the first Christian congregations.

Note: Expected to be given in 2009–10. 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). F., 1–3. EXAM GROUP: 6, 7

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 term of Greek.



Note: Offered jointly with the Divinity School as 1521.

Prerequisite: Three semesters of Greek.

Religion 1426. The Apocryphal Jesus and the Noncanonical Apostles: Introduction to Ancient Christian Apocryphal Literature

Catalog Number: 8930

François Bovon (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 99

Begins by exploring the field of non-canonical gospels, particularly Greek fragments of lost Gospels, then devotes a longer time to the apocryphal acts of the apostles, particularly to the *Acts of Philip*, and concludes by reading the *Apocalypse of Peter* and the *Apocalypse of Paul*.

Note: Offered jointly with the Divinity School as 1270/2130.

[Religion 1427. Orthodoxy and Heresy in Ancient Christianity]

Catalog Number: 3574

Karen L. King (Divinity School)

Half course (fall term). Tu., 1–3, and a weekly section to be arranged.

An examination of the dynamics of early Christian identity formation, including the development of discourses of orthodoxy and heresy, practices of interpreting Scripture, categories of religious identity, and notions of the body. Focuses on reading the primary literature, with special attention to those types of early Christianity later deemed heretical (for example, Marcion, Valentinian Christianity, and Sethian Gnosticism, as well as *The Gospel of Thomas*, *The Gospel of Mary*, and *Secret Revelation of John*).

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1700.

Prerequisite: Introduction to the New Testament or History of Ancient Christianity, or the equivalent.

Religion 1428. History of the Exegesis and Reception of the Gospel of Genesis - (New Course)

Catalog Number: 9337 Enrollment: Limited to 15.

Kevin J. Madigan (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A study of the exegesis and reception of the Gospel of Genesis in history, stressing the interpretation of the Gospel in the period ca. 200-1600. After studying Genesis in its original context, the seminar will turn to commentaries, sermons and artistic representations of all or parts of the Gospel, as well to the hermeneutical theory from the ancient world.

Note: Offered jointly with the Divinity School as 2210.

Prerequisite: One major research language (Latin, Greek, or Syriac) would be helpful but is not required.

[Religion 1434. History of Western Christianity, 150-1100]

Catalog Number: 5783

Kevin J. Madigan (Divinity School)

Half course (fall term). Tu., Th., at 9. EXAM GROUP: 11

Church and society in western Europe from the fourth through the twelfth century. Early and high medieval Christianity in social and cultural context, with attention to popular religious



belief and behavior as well as to the institutional church and its leaders.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2230.

[Religion 1437. History of Western Christianity: 1100–1500]

Catalog Number: 5997

Kevin J. Madigan (Divinity School)

Half course (spring term). Tu., Th., at 9.

Church and society in western Europe during the high and late Middle Ages. Particular attention will be paid to theological and institutional change and continuity and to popular religious movements.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2250.

[Religion 1443. Reformation Europe] - (New Course)

Catalog Number: 2414

Kevin J. Madigan (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A study of the major reform movements during the sixteenth century. Although this course will be conducted in seminar format, the course is intended for those without prior background in the Reformation. Focus will be on a close, critical reading of a single masterpiece, Diarmaid MacCulloch, *The Reformation: A History*. The book will be supplemented by primary readings.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2211.

Religion 1450. History of Christian Thought: The Medieval West - (New Course)

Catalog Number: 8878

Amy Hollywood (Divinity School)

Half course (fall term). M., 10–12.

The course will survey the main features of Christian theology from the 11th through the 15th centuries. We will focus on the particular genres, modes of argumentation, questions, and goals attendant on theology as it emerges in multiple contexts within the medieval West.

Note: Offered jointly with the Divinity School as 2629.

Religion 1472. The Ethical and Religious Thought of Martin Luther King, Jr.

Catalog Number: 8761

Preston N. Williams (Divinity School)

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A study of the life, thought, and actions of Martin Luther King, Jr. An ethical analysis of his primary concepts, ideas, and strategies based upon a reading and discussion of his writings and their sources.

Note: Offered jointly with the Divinity School as 2721.

[Religion 1493. Contemporary Roman Catholic Theology]

Catalog Number: 6926

Francis Fiorenza (Divinity School)

Half course (spring term). W., 1–3, and a weekly section to be arranged. EXAM GROUP: 6, 7

A survey of contemporary Roman Catholic theology that discusses issues in the interpretations of God, Jesus, and the church with reference to theological method. The broad spectrum of



present-day Roman Catholic theology will be covered through an analysis of diverse theologians and approaches: existential, transcendental, liberationist, feminist, analytical, and hermeneutical. *Note:* Expected to be given in 2009–10. Offered jointly with the Divinity School as 2479.

Religion 1495. Introduction to Theological Thinking

Catalog Number: 5154

David Lamberth (Divinity School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 99

A basic survey of a variety of approaches to theology through selected major figures. We will consider: What is the nature of theology? How are theological questions posed and answered? What is distinctive about each author's view? We will also be concerned with what theological thinking is today, and its relation to other fields of inquiry. Authors are drawn from the early medieval and contemporary periods, and are mostly Christian.

Note: Offered jointly with the Divinity School as 2402.

Cross-listed Courses

[Celtic 107. Early Irish History]

[Celtic 151. The Literature of Medieval Celtic Christianity]

[*History 2340 (formerly *History 2662 & *History 2662hf). Readings in American Thought]

Medieval Greek 115ar. Introduction to Byzantine Greek

Primarily for Graduates

[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar]

Catalog Number: 5810 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (fall term). Hours to be arranged.

The history of the Puritan movement in the context of the Reformation and the Reformed tradition; mainstream and radical movements, including Quakerism. A reading and research seminar using primary materials and the major historiography.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2270.

Graduate Courses of Reading and Research

***Religion 3420hf. Seminar for Advanced New Testament Students**

Catalog Number: 6026 Enrollment: Limited to 15.

François Bovon (Divinity School) 3551

Half course (throughout the year). Alternate W., 3–5.

This seminar will deal critically with the Book of the New Testament called the Acts of the Apostles. It will examine the textual tradition, the Greek language, the composition, the literary genre, the religious message, the place of the Book among the early Christian literature, its relationship to the so-called apocryphal Acts of the Apostles, and the early reception of the book.

Note: A course available to ThM, ThD, and PhD candidates, and qualified MTS and MDiv students with permission of the instructor. Required for ThM candidates in the field and for ThD



and PhD candidates until the term following successful completion of general exams. Offered jointly with the Divinity School as 1980.

***Religion 3425hf. New Testament Seminar for Doctoral Dissertations - (New Course)**

Catalog Number: 8507

Laura S. Nasrallah 4834

Half course (throughout the year). W., 3–5 biweekly.

Biweekly presentation of research projects.

Note: Offered jointly with the Divinity School.

Modern Western

For Undergraduates and Graduates

Religion 1513. History of Harvard and Its Presidents

Catalog Number: 1233

Peter J. Gomes (Divinity School)

Half course (spring term). W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

An exploration of the intellectual and institutional history of America's oldest college through the examination of four pairs of its 27 presidents. Among themes to be considered are European antecedents, developments in faculty, governance, and curriculum, as well as the maturation of the built environment. Significant attention is paid to the evolution of the religious context of the school, including the practice of and instruction in religion, and the challenges of secularism and pluralism.

Note: Offered jointly with the Divinity School as 2297.

[Religion 1517. American Liberal Religious Thought: Formations of a Tradition]

Catalog Number: 7116

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

Surveys important authors in the formative development of liberal religious thought in America into the early 20th century, such as Channing, Emerson, Thoreau, James, Royce, Matthews, DuBois, Wieman, Dewey.

Note: Expected to be given in 2009–10. Some prior work in theology or philosophy is suggested. Offered jointly with the Divinity School as 2551.

[Religion 1520. Introduction to Hermeneutics and Theology]

Catalog Number: 6184

Francis Fiorenza (Divinity School)

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

General introduction to hermeneutical theory. A survey of the development from classical to modern and contemporary hermeneutics. Examines the influence of contemporary hermeneutical theory upon the interpretation of biblical texts, the diverse conceptions of theology, and the explication of key theological categories such as revelation, experience, method, foundations, classics, community, and practice.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2410.



Religion 1529. The Holocaust and the Churches, 1933-45 - (New Course)

Catalog Number: 8653

Kevin J. Madigan (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course will be an historical study of the systematic, bureaucratic annihilation of European Jewry by the Nazi regime during the Second World War. It will also be an historical study of what the Protestant and Catholic churches and individual Christians did and did not do - how they stood by, collaborated with or resisted the Nazis - during the emigration, expropriation, persecution, ghettoization, deportation and annihilation of their Jewish neighbors. It will close with a brief study of some of the philosophical and religious implications of the Holocaust and with the possibility of its artistic representation.

Note: Offered jointly with the Divinity School.

Religion 1534. Feminist Theologies: Contexts and Methods

Catalog Number: 3081

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). Tu., 1–3, and a weekly section Tu., at 12:00. EXAM GROUP: 15, 16

In the past decades many different feminist religious voices have emerged around the globe. The course will study key feminist thea/ological directions and explore how their theoretical frameworks and methods are shaped by their different socio-cultural-religious locations and struggles. Lectures, group sessions, and projects.

Note: Offered jointly with the Divinity School as 2688.

[Religion 1543. 19th-Century Religious Thought: Theology and the Critique of Religion]

Catalog Number: 5065

David Lamberth (Divinity School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The 19th-century formulated many of the questions and frameworks that continue to dominate theology and religious reflection in the West. We consider the developing interplay between modern Christian theology (primarily continental) and the principal philosophical and social critiques of religion in the 19th-century. Topics include human nature, religion, the divine-human relationship, religious knowledge, the social, and historicity. Readings from Kant, Schleiermacher, Hegel, Marx, Feuerbach, Kierkegaard, Nietzsche, Harnack, and Troeltsch.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2431.

Religion 1545. Approaching Evil - (New Course)

Catalog Number: 7456

Members of the Department

Half course (spring term). Th., 4–6.

An examination of evil in western thought, with focus on conceptions of human freedom and divine will, the distinction between natural and moral evil, and responses to the challenge of theodicy. The final project asks students to apply tools of analysis developed in the course to a situation or topic of their choosing. Readings include philosophical, theological and literary texts.

Note: Offered jointly with the Divinity School as 2623.



[Religion 1546. Religion and the American Pragmatic Tradition]

Catalog Number: 3565

David Lamberth (Divinity School)

Half course (spring term). Tu., Th., 11:30–1.

Surveys the American pragmatic tradition, attending to views of the nature and place of religion. The first part takes up the classical pragmatists, beginning with Emerson as precursor, then focusing on Peirce, James, and Dewey. Topics include belief, experience, truth, action, ethics, rationality, and the nature and role, socially and individually, of religion. The latter part considers contemporary neo-pragmatists, including Rorty, Putnam, Chopp, and Stout. Prior work in theology or philosophy is recommended.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2671.

[Religion 1548. Psychoanalysis and Character Ethics]

Catalog Number: 0741

Jonathan Schofer (Divinity School)

Half course (fall term). Hours to be arranged.

How does the human psyche operate? In what ways can people transform their emotions and desires to become, in some sense, better? These two questions are shared by both the psychoanalytic tradition and scholars of virtue ethics, though they have arguably conflicting responses concerning the nature of psychological dynamics and the possibilities for change. This course will address readings from Aristotle, Freud, and recent thinkers who engage the relationship between these two approaches.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3639.

[Religion 1549. Media, Religion, and Social Meaning]

Catalog Number: 3414

Marla F. Frederick

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Looks at the historic development of radio and television ministries and their influence on contemporary American Christendom. In some cases, televised church has blurred religious denominationalism and disrupted simple social binaries of black/white, rich/poor, male/female. What are the new and/or normalized categories of religious particularity? And how might new articulations of religious unity disrupt politicized notions of race, class, and gender solidarity in different local/national as well as transnational settings?

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2517.

Religion 1567. Religion and the Public Intellectual

Catalog Number: 2548

Ronald Thiemann (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An inquiry into the role of the public intellectual in contemporary culture. The course will review the critical literature on the public intellectual focusing on the question of religion. Special attention will be given to the social and cultural conditions that enable religiously based social criticism and to the various genres (poetry, the essay, the novel) through which that criticism is communicated. Readings in Bender, Camus, Day, Hughes, Jacoby, Niebuhr, Nussbaum, Orwell,



West, and others.

Note: Offered jointly with the Divinity School as 2528.

Religion 1568. Religion, Ethics and Human Rights - (New Course)

Catalog Number: 7428

Ronald Thiemann (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The course will look at the ethical and religious bases of human rights discourse and examine the challenges to the universal claims inherent in that discourse. The course will explore a series of case studies on human rights issues worldwide in order to relate philosophical and religious concepts to actual human rights struggles.

Note: Offered jointly with the Divinity School as 2805.

Religion 1569. Theology and the Literary Arts - (New Course)

Catalog Number: 1559

Ronald Thiemann (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An exploration of literature (primarily poetry and the novel) as vehicles for the expression of public theology. We will look at literary theory as well as literature in order to assess the efficacy of the literary arts as a vehicle of religious sentiments.

Note: Offered jointly with the Divinity School as 2546.

Religion 1572. Sex, Gender and Sexuality - (New Course)

Catalog Number: 6407

Amy Hollywood (Divinity School)

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

The course will explore the theoretical articulation of sex, gender, and sexuality in twentieth-century medicine, social science, psychoanalysis, philosophy, and feminist and queer theory. Attention will be given to the ramifications of these concepts for the study of religion. Readings will include texts by Sigmund Freud, Simone de Beauvoir, Jacques Lacan, Michel Foucault, Gayle Rubin, Julia Kristeva, Monique Wittig, Judith Butler, Moira Gatens and others.

Note: Offered jointly with the Divinity School as 2692.

Religion 1573. Seminar in Contemporary Theory: Freud and Derrida - (New Course)

Catalog Number: 0206

Amy Hollywood (Divinity School)

Half course (fall term). Tu., 5–7 p.m. EXAM GROUP: 18

The course will explore the relationship between philosophy and psychoanalysis through reading selected texts by Sigmund Freud and Jacques Derrida.

Note: Offered jointly with the Divinity School as 2622.

Cross-listed Courses

**[African and African American Studies 193. Religion and Social Change in Black America]
[African and African American Studies 193x. Rags to Riches: Religion and the Quest for
the (African) American Dream]**



Primarily for Graduates

***Religion 2501. The Religious History of American Women: Seminar**

Catalog Number: 6508 Enrollment: Limited to 20.

Ann D. Braude (Divinity School)

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Assesses both the role of gender in shaping American religious history and the impact of religion on gender norms. Women's experience explored in Protestant, Catholic, and Jewish, and North American groups such as in Shakerism and Christian Science.

Note: Offered jointly with the Divinity School as 2325.

Prerequisite: Previous work in American religious history or women's studies.

[Religion 2542 (formerly Religion 1541). Kant: Seminar]

Catalog Number: 5295

David Lamberth (Divinity School)

Half course (spring term). W., 1–3.

A close reading of major works of Kant relevant to theology and philosophy of religion. The seminar focuses on issues such as the nature and limits of reason, the concepts of freedom, morality and faith, and the idea of God.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 2674.

Prerequisite: Advanced work in theology or philosophy of religion.

Religion 2543. Circumscribing a Discipline: Theology and the Philosophy of Religion - (New Course)

Catalog Number: 4293

David Lamberth (Divinity School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Under what conditions did philosophy of religion emerge in Western thought? How is it separate from theology? Participants conduct research and present in the second half of the term.

Note: Offered jointly with the Divinity School as 2672.

Prerequisite: Advanced work in the field.

Religion 2545. Religion and Social Theory: Seminar

Catalog Number: 2728

David Little (Divinity School)

Half course (fall term). Th., 10–12. EXAM GROUP: 12, 13

Our focus is the writings of Max Weber together with the reactions of his critics and defenders. Relevance to topics such as “secularization,” “religious nationalism,” and “cultural relativism.”

Note: Offered jointly with the Divinity School as 2813.

Graduate Courses of Reading and Research

***Religion 3505 (formerly *Religion 3505hf). Colloquium in American Religious History**

Catalog Number: 6445 Enrollment: Limited to 20.

Ann D. Braude (Divinity School) 2792 (spring term only) and David Neil Hempton (Divinity School) 5974 (fall term only)



Half course (fall term; repeated spring term). Alternate Tu., 7:30–9:30 pm.

Presentation and discussion of the research of doctoral candidates in American religious history.

Note: Open, with instructor's permission, to doctoral students in other fields of religious studies or American studies. Offered jointly with the Divinity School as 2390.

Hinduism

For Undergraduates and Graduates

[Religion 1600. Introduction to Hinduism]

Catalog Number: 9700

Anne E. Monius (Divinity School)

Half course (fall term). Hours to be arranged.

This course provides a general introduction to the complex range of religious phenomenon conventionally referred to by the term "Hinduism." Drawing from the intellectual resources of history, literature, philosophy, ethnography, and film, topics will include Hinduism's "reflexive" relationship with Jainism and Buddhism, philosophical speculation in the *Upanisads*, literary representations of dharma in the *Mahabharata* and *Ramayana*, Hindu traditions of devotion, and the impact of modernity in the construction of Hinduism as a religion.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3404.

Religion 1615. The Bhagavad Gita and Its Commentators - (New Course)

Catalog Number: 2171

Francis X. Clooney (Divinity School)

Half course (fall term). Tu., 3–5:30. EXAM GROUP: 17, 18

Bhagavad Gita, a Hindu classic of devotion and theology, has received extensive classical and contemporary commentary. The seminar explores selectively the interpretations of classical commentators (Sankara, Ramanuja, and Madhusudana Sarasvati), and 20th century interpreters (B. G. Tilak, Mohandas Gandhi, Bede Griffiths). Part of the series, Reading Hindu Texts Interreligiously, meant for students interested in closely reading Indian/Hindu texts, with attention to textual analogues from other religions.

Note: Offered jointly with the Divinity School as 3750.

Prerequisite: No Sanskrit required.

[Religion 1627. Hindu Ethics: Seminar]

Catalog Number: 9638 Enrollment: Limited to 15.

Anne E. Monius (Divinity School)

Half course (fall term). Hours to be arranged.

An intensive exploration of the place of ethics and moral reasoning in Hindu thought and practice. Materials to be examined will be drawn from a wide range of sources, from classical Sanskrit dharmashastra to epic narrative, devotional poetry, and modern ethnography, but emphasis will be placed throughout upon the particularity of different Hindu visions of the ideal human life.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3923.



Religion 1631. Hindu Traditions of Devotion

Catalog Number: 9423

Anne E. Monius (Divinity School)

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 99

An examination of Hindu *bhakti* (devotional traditions), focusing on three specific geographic/cultural regions within the Indian subcontinent. Keeping in mind both continuities and differences in the *bhakti* traditions of these three distinct cultural areas, this course explores a variety of devotional literature in English translation and considers the enduring significance and use of that deeply emotional poetry in the lives of Hindus today.

Note: Offered jointly with the Divinity School as 3406.

[Religion 1636. Hinduism Through the Modern Novel]

Catalog Number: 5069

Anne E. Monius (Divinity School)

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Although not a literary genre indigenous to India, the novel has rapidly emerged as one of the most creative and powerful means of modern Hindu literary expression in India and abroad. This course will explore what it means to be "Hindu" in the colonial and post-colonial age through the lens of contemporary fiction.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3411.

Religion 1663. A Summation of Hindu Theology: the Vedartha Samgraha of Ramanuja - (New Course)

Catalog Number: 1380

Francis X. Clooney (Divinity School)

Half course (spring term). Tu., 3–5:30. EXAM GROUP: 17, 18

A seminar on Ramanuja's (10th - 11th c.) Vedartha Samgraha, dedicated to a theistic reading of the Upanisads and Vedanta, defending devotion, synthesizing an integral view of God, world, and self, while criticizing alternative Vedanta readings of the Upanisads.

Note: Offered jointly with the Divinity School.

Prerequisite: Part of the series, Reading Hindu Texts Interreligiously, meant for students interested in closely reading Indian/Hindu texts, with attention to textual analogues from other religions. No Sanskrit required.

Cross-listed Courses

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

[Moral Reasoning 80. The Good Life In Classical India]

Buddhism

For Undergraduates and Graduates

[Religion 1701. Introduction to Buddhist Scriptures and Their Critical Interpretations]

Catalog Number: 5996

Charles Hallisey (Divinity School)



Half course (spring term). Tu., Th., at 9 and one hour to be arranged. EXAM GROUP: 11

An introduction to basic issues in the contemporary understanding of textuality, history, and interpretation and their relevance to the study of Buddhist scriptures. Examples of Buddhist scriptures will be drawn primarily from the Mahayana traditions.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as HDS 3836.

Religion 1707. Introduction to Buddhist Commentaries and their Critical Interpretations - (New Course)

Catalog Number: 9290

Charles Hallisey (Divinity School)

Half course (spring term). Tu., Th., at 9, and a weekly section to be arranged. EXAM GROUP: 11

An introduction to the study of Buddhist commentaries, their textual and hermeneutic services, as well as their history and their places in Buddhist scholastic cultures. Examples of Buddhist commentaries will be drawn from across the Buddhist world.

Note: Offered jointly with the Divinity School as 3779.

Religion 1725. Buddhism and Social Change: Seminar

Catalog Number: 4517 Enrollment: Limited to 15.

Christopher S. Queen

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This survey of Buddhist social teachings examines the evolution of central concepts (impermanence, selflessness, suffering), ethical styles (discipline, virtue, altruism, engagement), and themes (peace, justice, gender, ecology) in Asia and the West. We consider representative figures and movements in the rise of socially engaged Buddhism since the 19th century.

Note: Offered jointly with the Divinity School as 3853.

Prerequisite: Previous study of Buddhism.

[Religion 1726. Buddhism in America: Seminar]

Catalog Number: 4292 Enrollment: Limited to 15.

Christopher S. Queen

Half course (fall term). W., 1–3.

The transmission of Buddhist teachings and institutions to the West. A survey of Buddhist thinkers and movements since the 19th century, with primary attention to America: immigrant Buddhist communities, Transcendentalists and Theosophists, Pragmatist and Process philosophers, the “beat” generation, and recent Zen, Tibetan, and Theravada developments. Topics for discussion and research include tradition and transformation, socially engaged Buddhism and environmentalism, feminism, peace activism, and the dialogue with other faiths.

Note: Expected to be given in 2009–10. Separate requirements for undergraduate and graduate students. Offered jointly with the Divinity School as 3851.

Prerequisite: Knowledge of Asian Buddhism.

Religion 1730. Buddhist Women and Representations of the Female

Catalog Number: 4463

Janet Gyatso (Divinity School)

Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP:



12, 13

This course explores two interrelated subjects: Buddhist conceptions and practices relating to sex and gender; and the lives and subjectivities of historical women across the Buddhist world. It studies writings on monastic discipline, tantric sexual practices, and gender, as well as premodern and modern autobiographies of celibate and lay women. These Buddhist materials are considered in conjunction with the writings of Western feminist thinkers, including Judith Butler and Joan Scott.

Note: Offered jointly with the Divinity School as 3559.

Religion 1740. Buddhism and Literature - (New Course)

Catalog Number: 8499 Enrollment: Limited to 25.

Charles Hallisey (Divinity School)

Half course (spring term). W., 3–5:30. EXAM GROUP: 8, 9

A consideration of the place of Buddhist practices and values in Asian literary cultures and the place of literary culture in Buddhist life. The literary cultures considered will include examples from India, Sri Lanka, China, and Japan.

Note: Offered jointly with the Divinity School as 3778.

Religion 1745. Buddhism and Society in Southeast Asia - (New Course)

Catalog Number: 4544 Enrollment: Limited to 25.

Donald K. Swearer (Divinity School) and Charles Hallisey (Divinity School)

Half course (fall term). W., 3–5:30. EXAM GROUP: 8, 9

A multidisciplinary study of the relationship between Theravada Buddhism and society in Sri Lanka, Myanmar, Thailand, and Cambodia. The seminar is structured around three areas of investigation that take up different aspects of its general theme: Buddhism and the state; the nature of Buddhist life in village societies; and Buddhist responses to the social formations and processes of modern urban life.

Note: Offered jointly with the Divinity School as 3566.

[Religion 1752. Buddhist Logic and Epistemology: In the Wake of Dignaga]

Catalog Number: 2905 Enrollment: Limited to 12.

Parimal G. Patil

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

This course is an opinionated introduction to the roughly 800 year history of the Buddhist epistemological tradition in India. 2007-2008 academic year focuses on this text-traditions approach to inferential reasoning and religious language, and explore its impact on the intellectual history of religion in Southern Asia. A secondary objective is to develop a trans-disciplinary methodological approach to this material that is equally responsible to its historical, philosophical, and religious contexts.

Note: Expected to be given in 2010–11.

[Religion 1753. Buddhism Against Itself]

Catalog Number: 9746

Parimal G. Patil

Half course (spring term). F., 2:30–5.

This course is an advanced introduction to the history of Madhyamaka Buddhism in India. Its



focus will be on understanding the Madhyamaka text-tradition's impact on the philosophy and intellectual history of Buddhism in Southern Asia, through an analysis of specifically intra-Buddhist debates. A secondary objective will be to inquire into the possibility (and desirability) of working towards an intellectual history of religion in Southern Asia.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3872.

Prerequisite: Previous course work in Buddhist Studies or South Asian religions will be helpful, but not required.

Primarily for Graduates

Religion 2710r. Buddhist Studies: Seminar

Catalog Number: 1608

Janet Gyatso (Divinity School)

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

This is an advanced seminar for multidisciplinary Buddhist Studies. For 2008-09 the topic will be Buddhist tantra in its Indian and Tibetan contexts.

Note: It may be taken for credit more than once. Offered jointly with the Divinity School as 3888.

Prerequisite: Knowledge of at least one classical Asian language.

[Religion 2760. Buddhism and Its Critics]

Catalog Number: 7232

Parimal G. Patil

Half course (fall term). Tu., 5–7 p.m. EXAM GROUP: 18

Focuses on the Buddhist theory of momentariness. After discussing its intellectual history in India, we will read, in translation, a Buddhist "proof" of the theory, and discuss a number of non-Buddhist criticisms of it.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3867.

[Religion 2765. Re-envisioning the Philosophy of Religions]

Catalog Number: 7054

Parimal G. Patil

Half course (spring term). Hours to be arranged.

For too long the philosophy of religions has been defined by primarily Christian texts and philosophical/theological concerns. This course resists this history by asking what the philosophy of religions would look like if we began in India. Our goal this semester will be to bring new questions, concerns, and philosophical resources to the field by paying careful attention to the work of selected Buddhist, Hindu, and Jain philosophers and religious intellectuals.

Note: Expected to be given in 2009–10.

Cross-listed Courses

Islam

For Undergraduates and Graduates



[Religion 1802 (formerly Religion 1555). Introduction to Islamic Mysticism: The Sufi Tradition]

Catalog Number: 3830

Ali S. Asani

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Introductory survey of Sufism, focusing on its fundamental concepts, ritual practices, institutions, and its impact on literary and sociopolitical life in different regions of the Islamic world.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3620.

Prerequisite: An introductory course in Islam or equivalent helpful but not essential.

Religion 1806. The Vocabulary of Islam

Catalog Number: 1701

M. Shahab Ahmed

Half course (spring term). Tu., Th., 11:30–1 with an additional hour to be arranged. EXAM GROUP: 13, 14

Provides students with knowledge of a broad range of key concepts, technical terms, seminal questions, and cultural motifs internal to the Islamic tradition. These constitute a vocabulary related to Quran and exegesis, Hadith, law, theology, political thought, philosophy, Sufism, ritual, literature, art, and architecture, that has permeated Islamic discourses, practices, and identities down to the modern period, and that is central to an informed understanding and further study of Islam as religion and civilizational complex.

Note: Offered jointly with the Divinity School as 3978. Not open to auditors.

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

Catalog Number: 2741 Enrollment: Limited to 20.

Ali S. Asani

Half course (fall term). W., 3–5.

A survey of the development of Muslim communities in the Indian subcontinent focusing on an exploration of religious identity. Issues and themes salient to Islamic identity considered within religious and political contexts, as well as the broader context of South Asian culture as expressed in language, literature, and the arts. Also examines the uses of the term “Islamic” and the lived experience of being Muslim in various pre-modern and modern discourses in South Asia.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3625.

Prerequisite: Introductory course in Islam or equivalent.

[Religion 1825 (formerly Religion 1590). Themes in Feminism and Islam: A Historical Overview]

Catalog Number: 9891

Leila N. Ahmed (Divinity School)

Half course (fall term). Th., 3–6.

This course follows out the history of feminist debates and developments in Islam from beginnings in 19th century Egypt to contemporary and ongoing discussions of women, gender



and Islam in the United States.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3604.

Religion 1842. Religion, Gender, Identity: Readings in Arab and Muslim Autobiography: Seminar

Catalog Number: 4518

Leila N. Ahmed (Divinity School)

Half course (spring term). Tu., 3–5.

We will read autobiographical works mainly by contemporary Arab and/or Muslim writers, paying particular attention to issues of identity, religion, and gender, and exploring how these are at play in the text and in authorial constructions of self.

Note: Offered jointly with the Divinity School as 3616.

[Religion 1851. The Female Body and Islam: Religious Doctrines in Changing Societies]

Catalog Number: 9688

Baber Johansen (Divinity School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The Koran has developed rules of the gaze on men's and women's bodies. The ethical and legal rules of the Muslim *fiqh* have developed a very different *protocol of the gaze*. Muslim debates of the last thirty years attribute to the female body a fundamental role for the survival of a strongly gendered religious society and try to reinterpret the Islamic heritage in the light of new social requirements.

Note: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3629.

Cross-listed Courses

[African and African American Studies 188. Islam in Sub-Saharan Africa]

[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures] - (New Course)

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

***Freshman Seminar 37y. Muslim Voices in Contemporary World Literatures**

Primarily for Graduates

Religion 2841. Orthodoxy: Religion, Truth, and Authority: Seminar

Catalog Number: 5529

M. Shahab Ahmed

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Orthodoxy is defined as “truth or sound belief according to an authoritative norm” (*Encyclopaedia of Religion*). Focuses comparative examination of the historical, social, institutional, and discursive constitution of orthodoxy in Buddhism, Christianity, Confucianism, Islam, and Judaism.

Note: Offered jointly with the Divinity School as 3979. Open to advanced undergraduates. Not open to auditors.

Cross-listed Courses



[Arabic 231a. Qur'an I: Seminar]

[Arabic 231b. Qur'an II: Seminar]

[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam](#)

[Near Eastern Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar](#)

Chinese and Japanese Religions

Cross-listed Courses

[Chinese History 251. Confucian Ethics: Conference Course]

[East Asian Studies 140. Major Religious Texts of East Asia](#)

[Foreign Cultures 94. Buddhism and Japanese Culture](#)

[Historical Study A-13. China: Traditions and Transformations](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[*History of Art and Architecture 283v. Chinese Art as Ritual - \(New Course\)](#)

[Japanese History 115. Religion and Society in Edo and Meiji Japan](#)

[Japanese History 120. Religion and Society in Twentieth-Century Japan](#)

[Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture]

[Japanese History 126. Shinto: Conference Course](#)

Graduate Courses of Reading and Research

***Religion 3000. Direction of Doctoral Dissertations**

Catalog Number: 1933

Ryuichi Abe 4974, Ali S. Asani 7739, Wallace D. Best (Divinity School) 5092, François Bovon (Divinity School) 3551, Sarah Coakley (Divinity School) 1873, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health, Divinity School) 1670, Diana L. Eck 4514, Francis Fiorenza (Divinity School) 2735, Marla F. Frederick 4728 (on leave 2008-09), William A. Graham, Jr. (Divinity School) 4156, Janet Gyatso (Divinity School) 4243, David D. Hall (Divinity School) 2510, Helen Hardacre 3191, Jay M. Harris 2266, Albert Henrichs 4085 (on leave spring term), Evelyn Brooks Higginbotham 3517, Karen L. King (Divinity School) 4217, Arthur Kleinman 7473, James T. Kloppenberg 3157 (on leave 2008-09), Helmut H. Koester (Divinity School) 3477, Smita Lahiri 4465, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812 (on leave 2008-09), Everett I. Mendelsohn 2700, David G. Mitten 1290 (on leave spring term), Anne E. Monius (Divinity School) 4489, Roy Mottahedeh 1454, Laura S. Nasrallah 4834, Parimal G. Patil 4478 (on leave 2008-09), Elisabeth Schüssler Fiorenza (Divinity School) 3193, P. Oktor Skjaervo 2869 (on leave fall term), Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233 (on leave fall term), and Leonard W. J. van der Kuip 1556

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3001. Reading and Research**

Catalog Number: 7954

Ryuichi Abe 4974, M. Shahab Ahmed 5273, Ali S. Asani 7739, Wallace D. Best (Divinity School) 5092, François Bovon (Divinity School) 3551, David L. Carrasco (FAS, Divinity School) 4213



(on leave 2008-09), Francis X. Clooney (Divinity School) 1785, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health, Divinity School) 1670, Diana L. Eck 4514, Francis Fiorenza (Divinity School) 2735, Marla F. Frederick 4728 (on leave 2008-09), William A. Graham, Jr. (Divinity School) 4156, Janet Gyatso (Divinity School) 4243, David D. Hall (Divinity School) 2510, Helen Hardacre 3191, Jay M. Harris 2266, Evelyn Brooks Higginbotham 3517, Amy Hollywood (Divinity School) 5547, Beverly M. Kienzle (Divinity School) 2452, Karen L. King (Divinity School) 4217, Arthur Kleinman 7473, James T. Kloppenberg 3157 (on leave 2008-09), Helmut H. Koester (Divinity School) 3477, Smita Lahiri 4465, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, David Little (Divinity School) 2793, Peter Machinist 2812 (on leave 2008-09), Kevin J. Madigan (Divinity School) 4287, Everett I. Mendelsohn 2700, David G. Mitten 1290 (on leave spring term), Anne E. Monius (Divinity School) 4489, Roy Mottahedeh 1454, Laura S. Nasrallah 4834, Parimal G. Patil 4478 (on leave 2008-09), Kimberley C. Patton (Divinity School) 3306, Stephanie A. Paulsell (Divinity School) 5382, Jonathan Schofer (Divinity School) 5384, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Charles Stang (Divinity School) 6204, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233 (on leave fall term), and Leonard W. J. van der Kuip 1556

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3002. Foreign Language Certification**

Catalog Number: 4791

Members of the Committee

Reading and research conducted in a specific foreign language, normally French or German, to satisfy the modern language reading proficiency requirement for PhD students in the Study of Religion.

Note: Limited to PhD candidates who receive written permission from the Committee's Director of PhD Studies.

***Religion 3015. Asia in the Making of the Modern World (Graduate Seminar in General Education) - (New Course)**

Catalog Number: 3540

Shigehisa Kuriyama 5269, Ian J. Miller 5880 (on leave fall term), and Parimal G. Patil 4478 (on leave 2008-09)

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8, 9

This seminar will spotlight familiar aspects of life in contemporary America, and show how a deeper understanding of them requires study of peoples and events in distant places and times. Using a variety of sources and methods, the course will explore how Asia and its past are in fact woven into the intimate fabric of life here and now. The seminar will design and develop a General Education course on these themes for undergraduates.



Romance Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Romance Languages and Literatures

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures, Harvard College Professor (*Chair*)

Carlos Altamirano, Robert F. Kennedy Visiting Professor of Latin American Studies (*Universidad Nacional de Quilmes*) (*fall term only*)

Lison Baselis-Bitoun, Lecturer on Romance Languages and Literatures

Faith Beasley, Visiting Professor of Romance Languages and Literatures (*Dartmouth College*) (*fall term only*)

Janet Beizer, Professor of Romance Languages and Literatures (*Director of Graduate Studies in French*)

Reda Bensmaïa, Visiting Professor of Romance Languages and Literatures (*Brown University*) (*spring term only*)

Carole Bergin, Preceptor in Romance Languages and Literatures

Marie-France Bunting, Senior Preceptor in Romance Languages and Literatures (*Adviser in French*)

Kimberlee Campbell, Professor of the Practice of Romance Languages and Literatures (*Director of Language Programs in Romance Languages and Literatures*)

Luis E. Cárcamo-Huechante, Associate Professor of Romance Languages and Literatures

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*Director of Graduate Studies in Portuguese*)

Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures and of Visual and Environmental Studies

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures

Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures (*Associate Director of Undergraduate Studies and Undergraduate Adviser in Italian*)

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality (*on leave 2008-09*)

Francesco Erspamer, Professor of Romance Languages and Literatures (*Director of Graduate Studies in Italian*)

Chiara Frenquellucci, Preceptor in Romance Languages and Literatures

Mary M. Gaylord, Sosland Family Professor of Romance Languages and Literatures (*Director of Undergraduate Studies, fall term*) (*on leave spring term*)

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature (*Director of Graduate Studies in Spanish*)

Virginie Greene, Professor of Romance Languages and Literatures, Harvard College Professor (*Director of Undergraduate Studies, spring term*)

Adriana Gutiérrez, Senior Preceptor in Romance Languages and Literatures

Hugo Hiriart, Visiting Lecturer on Romance Languages and Literatures (*spring term only*)

Nina C. de W. Ingraio, Senior Preceptor in Romance Languages and Literatures

Francis Abiola Irele, Visiting Professor of African and African American Studies and of



Romance Languages and Literatures

Alice Jardine, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Clémence Jouët-Pastré, Senior Preceptor in Romance Languages and Literatures (*Adviser in Portuguese*)

Johanna Damgaard Liander, Senior Preceptor in Romance Languages and Literatures (*Adviser in Spanish*)

Maria Grazia Lolla, Lecturer on Romance Languages and Literatures

Christopher H. Maurer, Visiting Professor of Romance Languages and Literatures (*Boston University*) (*spring term only*)

Christie McDonald, Smith Professor of French Language and Literature and Professor of Comparative Literature

Ara H. Merjian, Lauro De Bosis Visiting Scholar in Romance Languages and Literatures (*fall term only*)

Giuliana Minghelli, Associate Professor of Romance Languages and Literatures (*on leave 2008-09*)

Marlies Mueller, Senior Preceptor in Romance Languages and Literatures

Rosa Perelmuter, Visiting Professor of Romance Languages and Literatures (*University of North Carolina, Chapel Hill*) (*fall term only*)

Lino Pertile, Harvard College Professor and Carl A. Pescosolido Professor of Romance Languages and Literatures

Mylène Priam, Assistant Professor of Romance Languages and Literatures (*on leave 2008-09*)

Raylene Ramsay, Visiting Professor of Romance Languages and Literatures (*University of Auckland*) (*fall term only*)

Nicolau Sevcenko, Visiting Professor of Romance Languages and Literatures (*Universidade de São Paulo*) (*spring term only*)

Mariano Siskind, Assistant Professor of Romance Languages and Literatures (*Adviser in Latin American Studies*)

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean of Arts and Humanities

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Other Faculty Offering Instruction in the Department of Romance Languages and Literatures

Carlos Altamirano, Robert F. Kennedy Visiting Professor of Latin American Studies (*Universidad Nacional de Quilmes*) (*fall term only*)

Franco Fido, Carl A. Pescosolido Professor of Romance Languages and Literatures, Emeritus Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor (*on leave fall term*)

Francisco Márquez Villanueva, Arthur Kingsley Porter Professor of Romance Languages and Literatures, Emeritus

Romance Languages and Literatures offers courses in Catalan, French, Italian, Portuguese, and Spanish, as well as in Latin American Studies, and Romance Studies. Courses appear below



under these headings. Letters A-D and numbers 20-99 indicate courses designed primarily for undergraduates. Courses numbered 100-199 are open to both undergraduates and graduate students. 200-level course are intended primarily for graduate students and, exceptionally, to advanced undergraduates.

Course groupings reflect both progression in level of language study and diversity of thematic focus.

GROUP I: Courses focused on language acquisition. Courses A-D offer beginning and early intermediate instruction in language. Courses 20-59 give special attention to the development of language skills in a variety of literary and cultural contexts.

GROUP II: Courses designed to introduce students to systematic study of literature and culture. Courses 60-69 combine language study and engagement with living language communities in the Boston Area. Courses 70-79 introduce major works and currents of literary history as preparation for 100-level literature courses. Courses 80-99 include specialized undergraduate seminars, tutorials, and independent study. N.B. Courses numbered 50-90 require approximately the same level of language proficiency.

GROUP III: Advanced courses in literature and culture. Numbers 100-199 reflect period, regional, and thematic groupings. All courses in this group assume the same degree of language proficiency.

GROUP IV: 200-299 Graduate courses, chiefly seminars.

Additionally, department faculty offer courses (some of which are cross-listed below) in the Department of Comparative Literature, in the Core, Freshman Seminar, Literature and the Women, Gender, and Sexuality Studies Program. For further offerings in general and comparative Romance literature, see listings of the Departments of Comparative Literature.

Students interested in earning a foreign language citation in a Romance language should read carefully the sections on French, Italian, Portuguese, and Spanish in the description of "Citations in Foreign Language" in the Academic Performance section of the FAS Student Handbook. In general, language courses Ca and above can count toward a citation if they are taken in sequence and if they meet the criteria set forth in the Student Handbook. Literature courses taught in the target language usually offer citation credit, but students should consult course descriptions in the online catalog for exact information.

Several members of the Romance Languages and Literatures faculty offer intensive courses through the Harvard Summer Abroad Program. These courses count for Harvard undergraduate degree credit, and may count for Romance Languages and Literatures concentration credit. For more information please see <http://www.fas.harvard.edu/~rll/undergraduate/study—abroad.html>.

No language courses may be taken pass/fail. Graduate students in the Faculty of Arts and Sciences may take language courses (numbered A-54) for a grade of Sat/Unsat, with permission of the course head. All Romance language courses, 100-level and above, may be taken Pass/Fail



without course head's signature unless otherwise noted. Undergraduates are free to enroll in 200-level graduate courses without course head's signature unless otherwise noted. No auditors are allowed in lettered language courses or in courses numbered 20 to 59. No one may enter A level courses after the eighth meeting of the class, Acd, Bab or Dab classes after the first meeting, or C or 20 level courses after the sixth meeting.

Catalan

Catalan

Primarily for Undergraduates

Catalan Ba. Introduction to Catalan

Catalog Number: 2153

Kimberlee Campbell and staff

Half course (fall term). Tu., Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

An introductory course in spoken and written Catalan, the language of approximately ten million people in Spain, France, Italy, and Andorra, and the most widely used of minoritized languages in Europe today. Native Catalan speakers include Antonio Gaudí, Salvador Dalí, Joan Miró, Antoni Tàpies, Mercè Rodoreda, and Pau Casals. Emphasizing oral communication, reading, and writing, offers students contact with contemporary Catalan culture.

Note: Conducted in Catalan. Knowledge of another Romance language is useful but not essential. May be taken Pass/Fail by undergraduates or Sat/Unsat by GSAS students.

Catalan 20. Catalan Language and Culture: a Multimedia Approach

Catalog Number: 2559

Kimberlee Campbell and staff

Half course (spring term). M., W., F., at 3. EXAM GROUP: 8

Intermediate course introducing students to Catalan culture and boosting their oral and written skills through a wide range of resources, such as Internet, television, radio, and press. Students will get a taste of various aspects of Catalan culture: art, cinema, music, literature, traditions, cuisine, history, and more.

Note: Conducted in Catalan. May be taken Pass/Fail by undergraduates or Sat/Unsat by GSAS students.

Prerequisite: Catalan Ba, basic knowledge of Catalan, or permission of course head.

***Catalan 91r. Supervised Reading and Research**

Catalog Number: 2578

Kimberlee Campbell and staff

Half course (fall term; repeated spring term). Hours to be arranged with instructor.

Tutorial supervision of research on subjects not treated in regular courses. May be used for further language study after Catalan Ax or Ba.

French



All students with some previous French in secondary school are required to take the placement test if they have not taken the SAT II, AP, or IB examinations in French. The term “placement score” or “placement test” hereafter refers to the French placement test given during Freshman Week for freshmen, and usually on the day preceding Registration Day for returning students.

Students who receive a grade of 5 in the College Board Advanced Placement Examinations in French Literature or Language are admitted directly into French courses numbered in the 40s and 50s, or 70a and 70b, with permission of course head, and also into 100-level courses of French literature. For details of Advanced Placement see the pamphlet *Advanced Standing at Harvard College* or contact the Director of the Program of Advanced Standing.

French

Primarily for Undergraduates

French A. Beginning French

Catalog Number: 3373

Marlies Mueller and staff

Full course (indivisible). Sections M. through F., at 9, 10, 11, 12, and 1. EXAM GROUP: Fall: 10

Complete basic course offering equal emphasis on speaking, listening, reading and writing as well as conveying a taste for the French *savoir-vivre*. Latest technology allows for surround-sound training by native speakers in dorm rooms. By year's end, students will be able to carry on conversations in simple, correct French, and will have read a full-length play in the original by a leading figure in 20th-century French philosophy, Jean-Paul Sartre, and studied state-of-the-art movies like *Amélie*.

Note: French A fulfills the language requirement. Open to students with placement scores up to 499 or permission of course head. Students who have studied French for three years or more in secondary school must begin at French Ca or higher. May not be taken Pass/Fail. Graduate students at GSAS may take the course Sat/Unsat with permission of course head. Section on-line on the French A website.

French Ax. Reading Modern French

Catalog Number: 2763

Marlies Mueller and staff

Half course (fall term; repeated spring term). Fall: Section I, Tu., Th., 10–11:30; Section II, Tu., Th., 11:30–1.; Spring: Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to reading and translating modern French texts for students who require only a basic knowledge of French for research purposes. French Ax presents the principle structures of French grammar in a systematic and coherent manner and, at the same time, makes reading and translation assignments as discipline-specific as possible for each student's needs.

Note: Conducted in English. Not open to students with a score of 500 or above on the Harvard Placement Test or the SAT II French test, to those with more than one year of undergraduate French, or to auditors. May not be used to fulfill the language requirement and may not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. See details and section on-line on the



French Ax website.

Prerequisite: Some previous study of a Romance language helpful but not necessary. Fluency in English required.

***French Bab. Intensive Beginning French: Special Course**

Catalog Number: 8780

Marlies Mueller and staff

Full course (spring term). Section I, M. through F., at 10 and Tu., Th., at 11. Section II, M. through F., at 12 and Tu., Th., at 1. EXAM GROUP: 3, 5, 12

A complete first-year course for non-requirement students. Provides a solid foundation in French for those with absolutely no prior knowledge of the language. Speaking, listening, reading, and writing are all emphasized, with class time devoted to oral expression. After French Bab, students should be able to engage in everyday conversation with native speakers, and read straightforward texts, both fiction and non-fiction, with relative ease.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail or Sat/Unsat. Limited enrollment. Interested students should fill out the on-line request form on the French Bab website by the beginning of the fall term examination period. Individual interviews will be scheduled during the examination period.

Prerequisite: An advanced knowledge of at least one foreign language but no previous study of French.

French Ca. Intermediate French I

Catalog Number: 1810

Carole Bergin and staff

Half course (fall term). M. through Th., sections at 9, 10, 11, 12, or 1. EXAM GROUP: 10

A beginning intermediate course emphasizing listening, speaking, reading, and writing, and including a study of grammar. Students become familiar with contemporary France through videotapes, feature length films, and multimedia and are introduced to French literature through a variety of texts.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the French Ca website.

Prerequisite: 500-599 on the SAT II test or the Harvard Placement Test; 3 years of French in high school; French A; or permission of course head. Students who have studied French for three years or more in secondary school must begin at French Ca or higher.

French Cb. Intermediate French II: Voyage linguistique à travers la Francophonie

Catalog Number: 6343

Carole Bergin and staff

Half course (spring term). Sections M., W., F., at 10, 11, 12, or 1.

In French Cb, students continue the study of grammar begun in French Ca. and further develop their communicative skills. Students are introduced to the concept of “la francophonie” as represented in literary texts and films from Quebec, the Caribbean, and Africa.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the French Cb website.

Prerequisite: 550-599 on the SAT II test or the Harvard Placement test; French Ca; or permission of course head.



French 25. Comprehensive Intermediate French III, Language and Culture: L'Etre humain et son univers

Catalog Number: 8781

Marlies Mueller and staff

Half course (fall term; repeated spring term). Sections M., W., F., at 10, 12, or 1. EXAM GROUP: 3

Comprehensive review of French grammar and intensive vocabulary building combined with French literary and cinematographic masterpieces. Authors and filmmakers, whose reflections on enduring questions of human experience and the meaning of life are compared and contrasted, include Baudelaire, Camus, Kieslowski, Pagnol, Rimbaud, and Sartre. By the end of the term, students should be able to understand lectures in French and express their thoughts orally and in writing with confidence using correct French.

Note: Conducted in French. A grade of A- in French A or French Bab, a B in French Ca with language requirement completed, a B in French Cb; or 600 on the SAT II test or the Harvard Placement test; or permission of course head. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. See details and section on-line on the French 25 website.

French 31. Oral Expression II: La France à travers les médias

Catalog Number: 0490

Carole Bergin and staff

Half course (fall term; repeated spring term). Section I, Tu., Th., 10–11:30; Section II, Tu., Th., 11:30–1. EXAM GROUP: 12, 13

Intended for those who have learned how to handle everyday situations in a French-speaking environment, French 31 prepares students for interacting on a more sophisticated level. Students will fine-tune their oral language skills through a more advanced study of pronunciation, grammar and discourse strategies, while discussing and debating topics of current interest as they are presented in the media, including the press, radio, television, cinema, and the Internet.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. See details and section on-line on the French 31 website.

Prerequisite: French 25; 660-689 on the SAT II test or the Harvard Placement test; or permission of course head.

French 35. Upper-Level French I, Language and Culture: "La quête de soi et le rapport avec autrui"

Catalog Number: 1935

Marlies Mueller and staff

Half course (fall term; repeated spring term). Sections M., W., F., at 10, 11 or 12. EXAM GROUP: 3

Course in French language and culture designed to enhance facility in all language skills. Complete grammar review, vocabulary building, emphasizing idiomatic subtleties and social etiquette in oral and written communication. Considers representations of self and the quest for identity in literature and cinema. How does one arrive at knowledge of self, and what are the consequences of this knowledge for relationships with others? This question examined through authors and filmmakers such as Baudelaire, Camus, Hugo, Melville, Renais, Duras, Rouan, Vercors, Wargnier.



Note: Conducted in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the French 35 website.

Prerequisite: French 25; 660 on the SAT II test or the Harvard Placement test; or permission of course head.

French 36. Upper-Level French II, Language and Culture: Liberté et Conscience

Catalog Number: 6963

Marlies Mueller and staff

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced course in French language and literature designed to develop near-native fluency in written and oral expression. Consolidating grammatical structures, vocabulary building, and stylistic exercises. Examines the nature and consequences of freedom. How do power, knowledge, and freedom interrelate? Politics, philosophy, art, and literary imagination are considered in their relation to the creation and expansion of individual autonomy. Authors and film directors include Balzac, Beauvoir, Camus, Granier-Deferre, Maupassant, Nuytten, Ophuls, Renoir, Ribowska, and Yourcenar.

Note: Conducted in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the French 36 website.

Prerequisite: French 25, 31 or 35; 690 on the SAT II test or the Harvard Placement test; or permission of course head.

French 37. Les régions de France: hier et aujourd'hui

Catalog Number: 7909

Marie-France Bunting and staff

Half course (fall term). Sections M., W., F., at 11 or 12. EXAM GROUP: 4

A journey through various regions of France surveying the present and past identities of Bretagne, Alsace, Provence, Dordogne, and Périgord, through history, folklore, gastronomy, art, music, and regional literature. Resources for class discussions include current articles from the French press, historical, sociological and literary writings as well as films and video documents. Emphasis on oral communication. An advanced grammar review is offered along with practice in writing and vocabulary enrichment.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 30s.

Prerequisite: French 31, 35 or 36; 690 on the SAT II test or the Harvard Placement test; or permission of course head.

French 42. Introduction au monde francophone

Catalog Number: 2581

Lison Baselis-Bitoun and staff

Half course (fall term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 12, 13

Designed to introduce students to cultural issues expressed in the works of some leading Francophone writers and through art and films while helping them acquire greater skills and confidence in both oral and written expression. Discussions will focus on issues of identity,



exile, tradition and modernity, rural/urban culture.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 40s.

Prerequisite: French 31, 35, 36, or 37; 720 on the SAT II test or the Harvard Placement test; or permission of course head.

French 47b. La Société française à travers les âges

Catalog Number: 6222

Marie-France Bunting

Half course (fall term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3

Aims to improve all linguistic skills while providing an historical survey of France from the Middle Ages to the end of the 19th century. Discussion will focus on prominent figures, social archetypes and major events that contributed to the formation of a national identity. Readings from historical, literary and sociological sources, and films. Active use of the language in class and practice in writing will be emphasized.

Note: Conducted entirely in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 40s.

Prerequisite: French 35, 36, 37, or 42; 750 on the SAT II or the Harvard placement test; or permission of course head.

French 48b. Contemporary French Society

Catalog Number: 8290

Marie-France Bunting and staff

Half course (spring term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3

Designed to develop greater linguistic fluency while introducing students to major debates in French society today. Themes to be explored include: family, gender, the education system, urban problems and social stratification, immigration, and French politics. Students will participate in discussions based on readings from the French press as well as from sociological and literary sources. Films and video documents closely related to the course material will emphasize the social, cultural and human aspects.

Note: Conducted entirely in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 40s.

Prerequisite: French 35, 36, 37, 42, 45, or 47b; 750 on the SAT II or the Harvard placement test; or permission of course head.

French 51. Writing Workshop: Atelier d'écriture

Catalog Number: 0575 Enrollment: Limited to 15 per section.

Marie-France Bunting

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Aims to strengthen and develop competence in written expression. Using short stories, essays and sample texts drawn from history and philosophy, students learn to practice different styles in creative, argumentative, and analytical writings. Special emphasis is paid to stylistic variations, lexical nuances, and complex grammatical structures. In addition, each student presents several *explications de texte* (close reading of a text).

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 50s.



Prerequisite: French 36, 37, 42, 47b, or 48b; 750 on the SAT II or the Harvard placement test; or permission of course head. Strongly recommended for concentrators and joint concentrators.

French 52. Advanced Oral Expression

Catalog Number: 2610

Marie-France Bunting

Half course (spring term). M., W., F., at 11 and 1. EXAM GROUP: 4, 6

Designed for students interested in working with the specificity of oral French in order to improve their comprehension, fluency, syntactic accuracy, and pronunciation. The aim of the course is: to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotions, debating, negotiating, etc.; and to improve pronunciation. Authentic materials on video cassettes will be used as models. In addition to practical and corrective work, students will participate collectively in a theatrical production.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 50s.

Prerequisite: French 36, 37, 42, 47b, or 48b; 750 on the SAT II or the Harvard placement test; or permission of course head. Recommended for concentrators and joint concentrators.

French 55 (formerly French 45). Le Français économique et commercial

Catalog Number: 7122

Carole Bergin and staff

Half course (spring term). Section I, Tu., Th., 10–11:30; Section II, Tu., Th., 11:30–1. EXAM GROUP: 12, 13

Designed for students working or traveling for business in French-speaking countries. Through audiovisual materials, the Internet, and the French press, students become familiar with the current business and economic climate in France and find out about practices, customs, and “intangibles” that make French businesses different from their American counterparts. Those enrolled may take the Paris Chamber of Commerce and Industry exams and obtain an official diploma attesting to their proficiency in French.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 50s. See details and section on-line on the French 55 website.

Prerequisite: A placement score of 720 on the SAT II test or the Harvard Placement test; or permission of course head.

French 70a. Introduction to French Literature I: From the Middle Ages to Modernity

Catalog Number: 2865

Tom Conley

Half course (spring term). M., W., at 11, plus one additional hour to be arranged. EXAM GROUP: 4

Readings and discussion of texts of various genres representative of central trends in French literature from the Middle Ages through the 18th century. Emphasis on developing analytical skills by tracing the transformations of ethical, literary, philosophical and social currents.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.



Prerequisite: 720 on the SAT II test; the Harvard Placement test; equivalent preparation; or permission of course head.

French 70b. Introduction to French Literature II: Representations of Change From the Romantics to the Present

Catalog Number: 6720

Janet Beizer

Half course (fall term). Tu., Th., at 10, plus one additional hour to be arranged. EXAM GROUP: 12

Significant texts from the nineteenth and twentieth centuries examined in the light of close reading and contemporary criticism.

Note: Conducted in French; third hour devoted to discussion of texts studied. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Prerequisite: 720 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of course head.

French 70c. Introduction to French Literature III: The Francophone World

Catalog Number: 6432

Lison Baselis-Bitoun

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Studies literature, and film from Sub-Saharan Africa, the Maghreb and the French West Indies. Discussions centered on questions of cultural identities, diglossia, colonization, diaspora, trauma and memory.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

Prerequisite: 720 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of course head.

***French 91r. Supervised Reading and Research**

Catalog Number: 3954

Marie-France Bunting and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***French 97. Tutorial—Sophomore Year: The Politics of Poetics: An Introduction to Literary and Cultural Analysis**

Catalog Number: 0173

Alice Jardine

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

An introduction to literary and cultural interpretation as it has evolved in French Studies since WWII. Our conversations will be structured around rigorous analysis of key literary works in relation to literary theory, semiotics, psychoanalysis, and politics.

Note: Required of concentrators in their sophomore year. Open to non-concentrators with permission of course head.



***French 98. Tutorial—Junior Year**

Catalog Number: 0879

Marie-France Bunting and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of French 98 is required of all honors concentrators.

***French 99. Tutorial—Senior Year**

Catalog Number: 2836

Marie-France Bunting and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: For honors seniors writing a thesis. The first term may be counted as a half course only with the permission of the Undergraduate Adviser in French. Students who do not complete a thesis are required to submit a substantial paper in order to receive either half course or full course credit. To enroll, see Marie-France Bunting, Undergraduate Adviser.

Cross-listed Courses

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours

Foreign Cultures 22a. La critique sociale à travers l'humour

Foreign Cultures 22b. La critique sociale à travers l'humour

Foreign Cultures 88. The African Experience: Between Tradition and Modernity

[Humanities 16. Existential Fictions: From Saint Augustine to Jean-Paul Sartre and Beyond]

Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France

For Undergraduates and Graduates

Open to students with 750 on the Harvard Placement Test or SAT II, a score of 5 on the Advanced Placement Test in language or literature, previous coursework at Harvard of an appropriate level, or by permission of course head.

French 100. History of the French Language

Catalog Number: 4197

Virginie Greene

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Presents the evolution of French from Latin to modern French, describes its main phonetic, grammatical, and lexical changes, discusses the various policies which attempted to rule the use of French and its dialects from the 9th century to the present.

Note: Conducted in French. Required of all graduate students in French.

French 102. Introduction to Medieval Literature and Old French - (New Course)

Catalog Number: 3816

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. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[French 112. From the Troubadour to the “Grand Rhétoriqueur”: Lyric Poetry in Medieval France (12th to 15th Century)]

Catalog Number: 5007

Virginie Greene

Half course (fall term). Hours to be arranged.

Medieval poets created both new poetic forms and new figures of poets. Singers, writers, composers, lovers, dreamers, rhetoricians, moralists, and preachers: poets could be all of those. This course studies how their poetry grew from and elaborated upon the impulse “I have to sing” (*chanter m’estuet*) to become a highly self-conscious art of writing.

Note: Expected to be given in 2009–10. Conducted in French.

French 128. Patrimoine, Nation, Histoire: La Memoire Collective Française - (New Course)

Catalog Number: 1171

Faith Beasley (Dartmouth College)

Half course (fall term). F., 1–3:30. EXAM GROUP: 6, 7, 8

Examines the concept of French collective identity from the seventeenth century to the present, focusing on key characteristics such as a rich history, conversation, cafés, gastronomy, Paris and monuments such as the Eiffel Tower. Analyzes the process through which such characteristics came to be associated with France, highlighting the roles of historical writing and literature. Authors will include Nora, Elias, Barthes, Molière, Michelet, Hugo, Voltaire, Mercier, Stael and Delerm, among others.

Note: Conducted in French.

[French 132a. 20th-Century French Fiction I: The Realist Mode]

Catalog Number: 4382

Susan R. Suleiman

Half course (fall term). Th., at 6.

How has realism been interpreted by its major modern practitioners in French? Is realism in fiction a style, a genre, an ideology, a way of seeing, a way of reading? What is the relation between realism and history, politics, sexual politics, and ethics? Discussions of works by Colette, Gide, Céline, Malraux, Sartre, Camus, Beauvoir, and others, as well as selected critical and theoretical essays.

Note: Expected to be given in 2010–11. Conducted in French.

French 132b. 20th-Century French Fiction II: The Experimental Mode

Catalog Number: 1890

Susan R. Suleiman

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

What are some alternatives to (or subversions of) realism in fiction? We will examine four major experimental currents or movements in 20th-century imaginative writing: Surrealism, the *nouveau roman*, the Oulipo, and *écriture féminine*. Discussion of works by Breton, Bataille, Robbe-Grillet, Sarraute, Queneau, Perec, Duras, Wittig, Cixous, as well as selected critical essays.



Note: Conducted in French. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding and the Core area requirement for Literature and Arts A.

[French 136. Feminist Literary Criticisms]

Catalog Number: 3845

Alice Jardine

Half course (spring term). Hours to be arranged.

Close readings of postwar French fiction and theory with emphasis on what is called “the feminine” in key psychoanalytic, philosophical, and literary writings of the French poststructuralist tradition. What has been the legacy of fifty years of dialogue between French postwar theory and feminist practice in the US? Writers considered include Cixous, Duras, Hyvrard, Irigaray, Kristeva, and Wittig as well as Deleuze, Derrida, and Lacan.

Note: Expected to be given in 2009–10. Conducted in English.

Prerequisite: Excellent reading knowledge of French.

French 139a. The 18th Century: Self and Society

Catalog Number: 3637

Christie McDonald

Half course (fall term). M., 4–6. EXAM GROUP: 9

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, Charrière, Graffigny, etc.

Note: Conducted in French.

[French 139b. The 18th Century: Ethical Dilemmas]

Catalog Number: 2223

Christie McDonald

Half course (fall term). Hours to be arranged.

Questions how notions of personhood and otherness inhabit the emergent novel, exploring the way in which events and values are resisted or subsumed in literary discourse and the kind of social and political responsibility that accompanies it. Readings will be taken from the works of Charrière, Gouges, Laclos, Marivaux, Montesquieu, Rousseau, Sade, Voltaire, etc.

Note: Expected to be given in 2009–10. Conducted in French.

French 161. Walk, Look, Write: 19th-Century Flâneurs and Flâneuses

Catalog Number: 1729

Janet Beizer

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

We will discuss the importance of the eye and the wandering body that transports it in space, in a selection of realist and naturalist texts, looking too at alternatives to the commanding gaze of the observer that dominates realist doctrine. Readings may include Balzac, Huysmans, Tristan, Zola, Sand, Rachilde.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.



French 165. Marcel Proust

Catalog Number: 4620

Christie McDonald

Half course (spring term). Th., 4–6. EXAM GROUP: 18

In Proust's novel, *A la recherche du temps perdu*, questions of time and memory, truth and signification, literature and philosophy converge to ask: who am I? What does it mean to become a writer? Discussion of Proust's novels and essays, as well as a number of critical texts.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

[French 167. Parisian Cityscapes]

Catalog Number: 7641

Verena A. Conley

Half course (fall term). Hours to be arranged.

Examines the rapid urbanization of Paris from World War II to the present by means of fiction, films and critical essays. Investigates how the Americanization of France, decolonization, immigration, globalization and the European Union continue to restructure the city with repercussions on its social, political, and artistic life (Allouache, Augé, Balibar, Beauvoir, Beyala, Godard, Kassovitz, Maspero, Latour, Ross, and others).

Note: Expected to be given in 2009–10. Conducted in French.

French 170. The City - (New Course)

Catalog Number: 3007

Verena A. Conley

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Focuses on representations of the city in literature (Mercier, Balzac, Baudelaire, Zola, Breton, Aragon) and theory (Benjamin, Lefebvre). Analyzes the evolution of the concept under the impact of industrialization and technological inventions.

Note: Conducted in French.

[French 185. National Identity and Narrative Representation in 20th-Century Francophone Literature]

Catalog Number: 5070

Mylène Priam

Half course (spring term). Hours to be arranged.

Through works of prominent Francophone authors from various origins who discuss their own comprehension - fictionalized, poetic or autobiographic - of being French and/or African, Cuban, Eastern European, etc., we explore the plural foundations of contemporary France and the question of French cultural, national or social identity to examine, question, deconstruct issues namely of territoriality, boundaries, nomadism, exile, ethnicity, citizenship, notions of Republic, national or continental sentiment.

Note: Expected to be given in 2009–10. Conducted in French.

[French 190. Albert Camus]

Catalog Number: 7510

Stanley Hoffmann



Half course (spring term). Hours to be arranged.

A study of Camus's writings as a journalist, playwright, novelist and political thinker, and of the controversies in which he was involved (the fate of Algeria, the occupation and liberation of France, the relations with Catholics, Camus's anticommunism, the Camus-Sartre clash). The tension between his art and his commitments, as well as his influence during and after his life will be examined.

Note: Expected to be given in 2009–10. Conducted in French.

French 193. Aimé Césaire and His Others - (New Course)

Catalog Number: 4257

Francis Abiola Irele

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An exploration of Aimé Césaire's work, focused on three seminal texts: *Cahier d'un retour au pays natal*, *Discours sur le colonialisme*, and *La tragédie du roi Christophe*. We will consider the historical background of Césaire's writings, and the evolving context of their inspiration and development. The course will be conducted as a seminar, involving intensive reading of texts and projections of films related to Césaire's life and work.

Note: Conducted in French.

French 194. Negotiating Identities in Contemporary Postcolonial Francophone Literature - (New Course)

Catalog Number: 6472

Raylene Ramsay (University of Auckland)

Half course (fall term). M., W., at 10. EXAM GROUP: 3

An examination of the differences between the more established Francophone literatures of North Africa, Sub-Saharan Africa and the Caribbean, and the emerging literatures of the Pacific, touching on the divide between Francophone and Anglophone indigenous Pacific literatures. Readings will include short stories, and novels by Mariama Bâ, Simone Schwartz-Bart, Albert Camus, Maryse Condé, Assia Djebar, Marguerite Duras, Déwé Gorodé, Titaua Peu, Chantal Spitz, Jean-Marie Tjibaou and Witi Ihimaera.

Note: Conducted in French.

Cross-listed Courses

African and African American Studies 185. Perspectives on the African Novel

***Dramatic Arts 106. French Dramaturgy from Moliere to the Present - (New Course)**

History of Art and Architecture 159. Image and Text in 16th Century France

[*History of Art and Architecture 173m. The Early Modern Artist]

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

[*Literature 104. On Theory]

Literature 129. Reading the 18th Century Through 21st-Century Eyes - (New Course)

***Literature 146 (formerly *Literature 124). Space and Place in Postmodern Culture**

[Visual and Environmental Studies 170 (formerly 174c). Film and Photography, Ontology and Art]

[Visual and Environmental Studies 190f. Contemporary French Cinema]



Visual and Environmental Studies 196. Women's Film and Video in France: Agnès Varda, Chantal Akerman and Claire Denis - (New Course)

***Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History**

Primarily for Graduates

French 231. India and the French Imaginary - (New Course)

Catalog Number: 0761

Faith Beasley (Dartmouth College)

Half course (fall term). Th., 4–6:30. EXAM GROUP: 18

We will focus on the effect contact with India had on seventeenth and eighteenth-century France. Texts from this period complicate and problematize the post-colonialist theory that dominates today's vision of the relationship between France and India.

Note: Conducted in French.

French 255. Metamorphoses of the Vampire

Catalog Number: 3630

Janet Beizer

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The vampire myth came of age with literary modernism and shares with it an identity in displacement, fragmentation, and fluidity. Texts may include Baudelaire, Nodier, Balzac, Gautier, Maupassant, Rachilde, Stoker, Coppola, and theory.

Note: Conducted in French or English.

[French 259. The Culture of Hysteria in Nineteenth-Century France]

Catalog Number: 3349

Janet Beizer

Half course (fall term). Hours to be arranged.

Reading medical and literary narratives of hysteria, we will ask why the disease flourished in this time and place, tracing hysteria as symptom of a cultural malaise. Readings in canonical and popular novels, medical encyclopedias and treatises.

Note: Expected to be given in 2010–11. Conducted in French or English, to be determined by class composition. Readings in French.

French 267. The Public Intellectual in France

Catalog Number: 7980

Susan R. Suleiman

Half course (spring term). W., 4–6. EXAM GROUP: 9

What forms has the political engagement of intellectuals in France taken since the Dreyfus Affair, when the term "intellectual" first came into use? Works by Zola, Barrès, Benda, Sartre, Beauvoir, Camus, Foucault, Kristeva, Bourdieu and others.

Note: Conducted in English or French, depending upon student preference. Open to qualified juniors and seniors, with permission of instructor.

Prerequisite: Open to qualified juniors and seniors, with permission of instructor.



[French 274. Hybridization, Intertextuality and Metissage in Literatures from Mauritius, La Reunion & the Caribbean]

Catalog Number: 6398

Mylène Priam

Half course (fall term). Hours to be arranged.

Explores novels, concepts, theories (Créolization, Divers, etc) that challenge any stable notion of identity and help to problematize the definition of postcolonial literatures in French. Works by Glissant, Chamoiseau, Maximin, Condé, Rakotoson, Segalen, Foucault, etc.

Note: Expected to be given in 2009–10. Conducted in French.

French 281. Contemporary Francophone Literature: Nation of Writers

Catalog Number: 0097

Reda Bensmaïa (Brown University)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Does a writer who writes in the language of a former colonial power belong to a single nation? Works by Nina Bouraoui, Memmi, Farès, Khatibi, Djébar, Béji will guide our problematization of this question.

Note: Conducted in French.

French 282. Africa and French Intellectuals - (New Course)

Catalog Number: 2241

Francis Abiola Irele

Half course (spring term). M., 4–6. EXAM GROUP: 9

Examines a significant current of French intellectual history —the concern by French writers with the rights and welfare of black populations, as exemplified by the work of Abbe Gregoire, André Gide, Jean-Paul Sartre and Georges Balandier.

Note: Conducted in French.

[French 285r. French Literature: Seminar]

Catalog Number: 7479

Tom Conley

Half course (spring term). Hours to be arranged.

Topic for 2009-10: Montaigne.

Note: Expected to be given in 2009–10. Conducted in French. Open to qualified undergraduate students.

Cross-listed Courses

***History of Art and Architecture 270m. The Ethnographic Imagination - (New Course)**

***Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History**

Graduate Courses of Reading and Research

Advanced graduate students reading in the field of a proposed doctoral dissertation or working in a field of specific interest not covered by courses may propose individual projects of reading and research to be undertaken under the direction of individual members of the Department.



***French 320. French Literature: Supervised Reading and Research**

Catalog Number: 1798

Janet Beizer 3957, Tom Conley 1908, Verena A. Conley 2250, Virginie Greene 1007, Francis Abiola Irele 4354, Alice Jardine 7457, Christie McDonald 1160, Mylène Priam 5302 (on leave 2008-09), and Susan R. Suleiman 7234

***French 330. Direction of Doctoral Dissertations**

Catalog Number: 7843

Janet Beizer 3957, Tom Conley 1908, Verena A. Conley 2250, Virginie Greene 1007, Francis Abiola Irele 4354, Alice Jardine 7457, Christie McDonald 1160, Mylène Priam 5302 (on leave 2008-09), and Susan R. Suleiman 7234

Italian

All students with some previous Italian in secondary school are required to take the placement test if they have not taken the SAT II, AP, or IB examinations in Italian. The term "placement score" or "placement test" hereafter refers to the Italian placement test given during Freshman Week for freshmen, and usually on the day preceeding Registration Day for returning students.

Students who receive a grade of 5 in the College Board Advanced Placement Examinations in Italian are admitted directly into Italian courses numbered in the 30s or higher, with permission of the course head. For details of Advanced Placement see the pamphlet Advanced Standing at Harvard College or contact the Director of the Program of Advanced Standing.

[Italian](#)

Primarily for Undergraduates

Italian Aa (formerly Italian A). Beginning Italian, I

Catalog Number: 4309

Elvira G. DiFabio and staff

Half course (fall term; repeated spring term). Fall: M., W., F., sections at 9, 10, 12 or 1, and an extra hour on M., or W., 4:30-5:30. Spring: M., W., F., section at 10, and W., 4:30-5:30. EXAM GROUP: Fall: 2, 10; Spring: 3

For students with little or no knowledge of Italian. Aims at achieving basic communication skills and vocabulary. Emphasis on oral expression and listening comprehension. Course materials include online workbook and lab.

Note: Conducted in Italian. Students whose placement score does not entitle them to enter a more advanced course are assigned to Italian Aa. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Aa website. N.B. There are four contact hours per week. The conversation hour on M. or W. at 5 may be re-arranged to accommodate scheduling conflicts.



Italian Ab. Beginning Italian II - (New Course)

Catalog Number: 7029

Elvira G. DiFabio

Half course (fall term; repeated spring term). MWF at 10 am and with additional hour to be arranged. EXAM GROUP: Spring: 2

Continuation of Ital Aa, second semester beginning level. Increasing emphasis on reading and writing. Introduction to Italian literature through excerpts from major writers; overview of the history of Italy. Course materials include online workbook and lab.

Note: May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Ab website. N.B. There are four contact hours per week. Conversation hour to be arranged.

Prerequisite: Italian Aa, or a score of 450 or less on the SAT II test or the Harvard Placement test, or a score of 3 or less on the AP Italian exam, or two years of high school Italian, or permission of course head.

[Italian Ax. Reading Italian]

Catalog Number: 4015

Elvira G. DiFabio and staff

Half course (spring term). M., Th., 3–5. EXAM GROUP: 8, 9, 17, 18

For students (both undergraduate and graduate) with little or no knowledge of Italian. Aims at the rapid development of reading skills as a tool for research. Selections of materials in accordance with the needs of the participants.

Note: Expected to be given in 2009–10. Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Ax website.

***Italian Bab. Intensive Beginning Italian: Special Course**

Catalog Number: 3065 Enrollment: Limited to 15.

Elvira G. DiFabio and staff

Full course (fall term; repeated spring term). Fall: Section I, M. through F., at 10, and Tu., Th., at 11; Section II, M., W., F., at 12, and Tu., Th., 1–3; Spring: M. through F at 10, and Tu., Th., 9–10. EXAM GROUP: 3, 12

A complete first-year course in one term for students with no knowledge of Italian, focused on developing all four communicative skills. Students are introduced to contemporary Italian culture through a variety of websites, films and cultural readings that include G. Boccaccio's *Andreuccio da Perugia*.

Note: May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students who have not placed out of the language requirement must take one full year of a language. Italian Bab or Dab taken alone may not be used to fulfill the language requirement. However, there are ways to combine Bab or Dab with another course in order to fulfill the language requirement. Consult Elvira Di Fabio, Undergraduate Adviser for details. Conducted in Italian. Section on-line on the Italian Bab website.

Prerequisite: An advanced knowledge of at least one foreign language, preferably a modern Romance language, but no previous study of Italian.



Italian Ca. Intermediate Italian I: L'italiano con i fumetti

Catalog Number: 3217

Chiara Frenquellucci and staff

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 12, and W., at 2; Section II, M., W., F., at 1, and W., at 3. Spring: M., W., F., at 1, and W., at 3. EXAM GROUP: 5, 7

A logical continuation of Italian A or Bab. Refines and expands the four communication skills. Students are introduced to contemporary Italian culture through comic books, films, short stories and Nicolò Ammaniti's *Io non ho paura*. Assignments include workbook exercises to refine the use of complex grammatical structures, weekly blog entries, and an end of term collaborative creative project (*fotoromanzo*).

Note: Conducted in Italian. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Ca website.

Prerequisite: Italian Ab or Bab, or 450-599 on the SAT II test or the Harvard Placement test, or permission of course head.

Italian Cb. Intermediate Italian II: L'italiano con le favole

Catalog Number: 6805

Chiara Frenquellucci and staff

Half course (spring term). Section I: M., W., F., at 12, W., at 2; Section II: M., W., F., at 1, W., at 3. EXAM GROUP: 5

Further refines and expands the four communication skills that students have acquired in Italian Ca. Students come into contact with Italian culture through a variety of readings and films that include traditional and modern folktales. Assignments include workbook exercises to refine the use of complex grammatical structures, weekly blog entries on each group's work in progress, and an end of term student-scripted adaptation and performance of Collodi's *Pinocchio*.

Note: Conducted in Italian. Open to students whose placement score indicates a more advanced course, or as a continuation of Italian Ca. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Cb website.

***Italian Dab. L'italiano con i documentari**

Catalog Number: 7258 Enrollment: Limited to 15.

Chiara Frenquellucci and staff

Full course (fall term; repeated spring term). M., W., F., at 12, Tu., Th., 1-3. EXAM GROUP: 5

A complete second-year course in one term for students with a basic knowledge of Italian. Speaking, listening, reading, and writing skills are all emphasized through the principal functions of communication. Class time focuses on further developing oral/aural skills through viewing and creating documentaries about Italians and Italian Americans in the Boston area. Assignments include workbook exercises to refine the use of complex grammatical structures, weekly blog entries on each group's work in progress, and an end of term collaborative film project.

Note: May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students who have not placed out of the language requirement must take one full year of a language. Italian Bab or Dab taken alone may not be used to fulfill the language requirement. However, there are ways to combine Bab or Dab with another course in order to fulfill the language requirement. Consult Elvira Di Fabio, Undergraduate Adviser for details. Conducted in Italian. Section on-line on the Italian Dab website.



Prerequisite: Italian Aa, Ab or Bab, 450-599 on the SAT II test or the Harvard Placement test, or permission of course head.

Italian 33. Oral Expression: La musica dell'italiano

Catalog Number: 6463

Elvira G. DiFabio and staff

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An oral expression course based on Italian Opera, Italian 33 is intended for students with an advanced-intermediate knowledge of Italian but does not require prior knowledge of either music or opera. Content focuses on both the cultural and the linguistic elements of the "musical voice" of Italians as expressed by Rossini, Verdi, Donizetti, Puccini, Leoncavallo, and others.

Note: Conducted in Italian. Monthly screenings to be arranged. May not be taken for credit by students who have passed Italian 35. Section on-line on the Italian 33 website.

Prerequisite: Italian Cb, 600 or above on the SAT II or Harvard Placement test, or permission of course head.

Italian 35. Upper-Level Italian I: Parliamo dell'Italia

Catalog Number: 2659

Elvira G. DiFabio and staff

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Insights into Italian society and culture, especially through Italian newspaper and magazine articles, feature films, and videotapes. For students with a solid grasp of the fundamentals of Italian grammar. Aims at improving command of the language both in speaking and writing, combined with reading strategies. Practice consists of discussions, exercises in diction, and written reports.

Note: Conducted in Italian. May not be taken for credit by students who have passed Italian 33. Section on-line on the Italian 35 website.

Prerequisite: Italian Cb, 630 or above on the SAT II test or the Harvard Placement test, or permission of course head.

Italian 36. Upper-Level Italian II: La cultura della lingua

Catalog Number: 5223

Elvira G. DiFabio and staff

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Aims at advancing students' proficiency in speaking, reading and writing through vocabulary development and extension of control of higher-level syntactical patterns. Students read two complete novels and selections from two others, and view feature films on which they are based, all related to twentieth-century Italian society. Practice through class presentations, compositions, and discussions.

Note: Conducted in Italian. Section on-line on the Italian 36 website.

Prerequisite: Italian 35 or permission of course head.

Italian 40. Advanced Oral Expression: Teatro dal vivo

Catalog Number: 0804 Enrollment: Limited to 12.

Chiara Frenquellucci and staff

Half course (fall term; repeated spring term). Fall: M., W., 3-5; Spring: M., Th., 3-5. EXAM



GROUP: Fall: 8, 9; Spring: 8, 9, 17, 18

Class time focuses on further developing oral/aural skills, while reading, analyzing and enacting plays by Carlo Goldoni, Eduardo De Filippo, Carmelo Bene and Nobel Prize-winners Luigi Pirandello and Dario Fo. Student preparation culminates in the production of a theatrical work at the end of the term.

Note: Conducted in Italian. Open to graduate students with permission of course head. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian 40 website.

Prerequisite: Italian 33 or higher, or permission of course head.

[Italian 44. Advanced Italian: Effetto Commedia: What Makes Italians Laugh?]

Catalog Number: 5776

Elvira G. DiFabio and staff

Half course (fall term). M., Th., 3–5. EXAM GROUP: 8, 9, 17, 18

Comedy Italian-style in cinema (from Totò to Benigni) and its origins. Presents students with another dimension of Italian culture, while perfecting their language skills. Problems in composition addressed through short weekly assignments; grammar review in context. Weekly video screenings.

Note: Expected to be given in 2009–10. Conducted in Italian. Open to graduate students with permission of course head. Section on-line on the Italian 44 website.

Prerequisite: Italian 35 or higher, or permission of course head. Appropriate for concentrators electing the Italian Studies track.

[Italian 48. Advanced Italian: Voices from Italy: Issues of Identity]

Catalog Number: 0178

Elvira G. DiFabio

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An exploration of various identities of Italy, including that of non-Italians in contemporary Italy and Italians living abroad. Students will investigate these issues from a wide variety of sources, including literary, historical and sociological texts, news reports and feature films. Frequent oral and written assignments. Grammar reviewed in context, with particular emphasis on the functions of describing, summarizing and expressing an opinion.

Note: Expected to be given in 2010–11. Conducted in Italian. Open to graduate students with permission of course head. Section on-line on the Italian 48 website.

Prerequisite: Italian 35 or higher, or permission of course head. Appropriate for concentrators selecting the Italian Studies track.

Italian 50. Literary Translation

Catalog Number: 5676

Elvira G. DiFabio and staff

Half course (fall term). M., at 2; Th., 2–4. EXAM GROUP: 7

Translation from English to Italian, and occasionally from Italian to English, using sample texts from literature, history, and philosophy, as well as texts being considered for publication. Discussion of a variety of styles, literary devices, semantic and cultural distinctions, and structural differences, along with testimony from a number of authors, including Pavese, Eco and Venuti.



Note: Conducted in Italian. Open to graduate students with permission of course head. Section on-line on the Italian 50 website.

Prerequisite: Italian 44 or higher or permission of course head.

[*Italian 60. Italian and the Community]

Catalog Number: 4014 Enrollment: Limited to 12.

Elvira G. DiFabio and staff

Half course (fall term; repeated spring term). M., at 3, Th., 3–5. EXAM GROUP: 8, 17, 18

An advanced language course examining the Italian experience in the US. Promotes community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with Boston-area public schools as teaching assistants or aides. Class work focuses on community service through language; texts and articles on language pedagogy, including national/European standards and advanced placement; development of activities using archives the Italian public broadcast network, for application in the classroom.

Note: Expected to be given in 2009–10. Section online at the Italian 60 web site.

Prerequisite: Italian 36, 40 or above, a score of 750 on the Harvard Placement Test, or permission of course head.

[Italian 83. Italian Popular Culture from '60 to '06]

Catalog Number: 4259

Giuliana Minghelli

Half course (fall term). Hours to be arranged.

Introduction to Italian popular culture through songs, TV shows, comics, popular films and fiction. Texts will be read against the socio-historical context of the early sixties "miracolo economico," the political upheaval of the late sixties and seventies, the "riflusso" of the eighties, the political "glasnost" of the nineties and up to contemporary times. We will discover and analyze competing inscriptions of "Italianness" and the ongoing creation of their meaning over the past half-century.

Note: Expected to be given in 2009–10. Conducted in Italian.

***Italian 91r. Supervised Reading and Research**

Catalog Number: 2287

Elvira G. DiFabio and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Italian 96r. Italian and the Community: Italy. Academic Internships in Italian Language and Culture - (New Course)**

Catalog Number: 3749

Elvira G. DiFabio and members of the Department.

Half course (fall term; repeated spring term). Hours to be arranged.

An opportunity to engage in the practical applications of Italian language and culture in an immersion environment. Internships may include placement in a variety of sectors, including public education, the media and the arts.

Note: Students who wish to take this course as part of a study abroad program should consult the Office of International Programs. Students are expected to produce substantial research papers



based on their class work and field placements, which are typically arranged with institutions in Italy. The student, under the guidance of faculty and study abroad advisers, is responsible for arranging the terms of the internship.

Prerequisite: Italian 36 or higher, or consent of Undergraduate Adviser in Italian.

***Italian 97. Tutorial—Sophomore Year**

Catalog Number: 1795

Elvira G. DiFabio and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Conducted in Italian. Successful completion of one term of Italian 97 is required of concentrators.

***Italian 98. Tutorial—Junior Year**

Catalog Number: 1167

Elvira G. DiFabio and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Italian 98 is required of all honors concentrators.

***Italian 99. Tutorial — Senior Year**

Catalog Number: 7840

Elvira G. DiFabio and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Successful completion of one term of Italian 99 is required of all honors concentrators.

Cross-listed Courses

***Freshman Seminar 34k. Italian-American Literature, History, and Identity
Literature and Arts A-26. Dante's *Divine Comedy* and Its World**

For Undergraduates and Graduates

[Italian 113. On the Road and in the Streets: Sites of Transition in Italian Cinema and Literature (1941-to the present)] - (New Course)

Catalog Number: 3827

Giuliana Minghelli

Half course (fall term). Hours to be arranged.

Explores cinematic and literary use of the road as an alternative to controlled environments from Fascism to the present. From early road movies like Luchino Visconti's *Ossessione* to migration films like Gianni Amelio's *Lamerica*, the course explores how roads map social change, ethnographic observations, memory and forgetting and the hopes and fears of a rapidly evolving nation.

Note: Expected to be given in 2009–10. Conducted in English.

Italian 116. Visions of the Renaissance

Catalog Number: 1211

Francesco Erspamer



Half course (fall term). Th., 1–3:30. EXAM GROUP: 15, 16, 17

A survey of the one hundred years that changed the world. Each week the analysis of a visual image introduces the class to a text and a concept. Readings include Machiavelli, Castiglione, Michelangelo, Vasari, Galileo.

Note: Conducted in English.

Italian 123. Semantics of Desire: Love in Dante's Poetry

Catalog Number: 8912

Lino Pertile

Half course (spring term). Tu., 1-3; Th. at 1. EXAM GROUP: 15, 16

Examines Dante's discourse on love, earthly and heavenly, in the context of the literature and culture of his times. In addition to a selection from Dante's *Comedy*, texts will include Book 4 of Virgil's *Aeneid*, Ovid's *Ars amatoria* and Andreas Cappellanus' *De amore*, Saint Bernard's commentary on the *Song of Songs*, Guinizzelli's and Cavalcanti's *Rime* and Iacopone da Todi's *Laude*.

Note: Conducted in Italian.

Prerequisite: Reading knowledge of Italian.

[Italian 128. The Fantastic from Dante to Calvino and Beyond]

Catalog Number: 3468

Giuliana Minghelli

Half course (fall term). Hours to be arranged.

Starting with Dante's descent to hell on the back of Gerione and with Ariosto's ascent to the moon on the hippogryph, explores the notion of the fantastic and the marvelous in Italian literature. The Gothic short story, the uncanny worlds of Buzzati and Landolfi, Calvino's postmodern knights, and Benni's science fiction show how fantastic literature defamiliarizes and questions the "laws" of verisimilitude, mapping new territories between utopia and dystopia, suspended at the border of the unconscious.

Note: Expected to be given in 2010–11. Conducted in English.

[Italian 140. The Human Comedy: the novella from its origins to the Renaissance]

Catalog Number: 4689

Lino Pertile

Half course (spring term). Hours to be arranged.

The tradition of the Italian novella, or short story in prose, from its inception in the anonymous *Novellino* to its maturity in Boccaccio's *Decameron* and the works of other major storytellers from Sacchetti to Bandello. Selected tales will be studied for their artistic quality, and as a mirror of the varied life of Italian society between the Middle Ages and the Renaissance.

Note: Expected to be given in 2009–10. Conducted in English or Italian.

[Italian 141. Renaissance Epic]

Catalog Number: 5328

Francesco Erspamer

Half course (fall term). Hours to be arranged.

The literary masterpieces of the golden century of Italian civilization were two narrative poems, Ariosto's *Orlando Furioso* and Tasso's *Jerusalem Delivered*, both celebrating the chivalric spirit



of a bygone era. The course analyzes their relation with the epic tradition and their significance in the making of the modern conception of the world.

Note: Expected to be given in 2009–10. Conducted in English.

[Italian 148. Between Africa and Italy: Literature, Film and Cartoons] - (New Course)

Catalog Number: 4618

Giuliana Minghelli

Half course (spring term). Hours to be arranged.

From Emilio Salgari's 19th-century adventure novels, to the postmodern comics of Hugo Pratt, this course investigates the representation of Africa in Italian culture. How does Africa shape the work of Modernist writers who lived in Alexandria like Marinetti, Ungaretti, and Cialente, and filmmakers like Pasolini and Antonioni, shooting their postmodern wanderings "on location" in Africa? And reversing the gaze, what is the image of Italy in the texts of recent African immigrant writers?

Note: Expected to be given in 2010–11. Conducted in Italian.

[Italian 168. Picturing Place: Landscape, Literature, and Cinema from the Eighteenth through the Twentieth Century] - (New Course)

Catalog Number: 9547

Giuliana Minghelli and Maria Grazia Lolla

Half course (fall term). Hours to be arranged.

Changing approaches to the experience, the representation and the interpretation of the Italian landscape from the eighteenth to the twentieth centuries through literary texts, visual arts, film.

Note: Expected to be given in 2009–10. Conducted in English.

Italian 171. Cultural History and Nation-Making: 1870-1920 - (New Course)

Catalog Number: 4705

Maria Grazia Lolla

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to the contested cultural history of the newly-made Italy: war, work, education, popular culture, fashion, festivals and cooking. Students will explore the interaction between literary texts and other cultural forms.

Note: Conducted in English.

Italian 174. On Beauty: History and Representation - (New Course)

Catalog Number: 4364

Francesco Erspamer

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Studies the development of the idea of beauty (and ugliness) in Western culture and theory, with examples mostly taken from Italian literature and film, including Petrarch, Veronica Franco, Tasso, d'Annunzio, the Futurists, Fellini, Muccino.

Note: Conducted in English or Italian.

[Italian 185. Births of a Nation: A History of Italian Cinema (1895-1945)] - (New Course)

Catalog Number: 4529

Giuliana Minghelli



Half course (fall term). Hours to be arranged.

The history of Italian cinema (genres, styles, technological and institutional developments) will be studied in connection with the tumultuous unfolding of the cultural and political history of the nation. A wide variety of works, from Giovanni Pastrone's ground-breaking epic *Cabiria*, to Fascist-era melodramas and war movies and the cinematic revolution of Neorealism, will be screened and discussed.

Note: Expected to be given in 2010–11. Conducted in English.

Italian 186. Futurism at 100: To Measure a Century - (New Course)

Catalog Number: 5790

Ara H. Merjian

Half course (fall term). Tu., 3–5:30. EXAM GROUP: 17, 18

2009 marks the centenary of the Futurist movement. Looking at texts, images, and objects in a range of media, we consider how Futurism's fundamental interdisciplinarity challenges traditional accounts of modernist aesthetics. Issues include: the prominence of Bergson and Nietzsche's philosophies; Futurism's place in Italian politics; the role of the manifesto; rapports with the International avant-gardes; theories of language and poetics; sexual and gender politics; the afterlives of Futurism.

Note: Conducted in English; reading knowledge of French or Italian helpful.

Cross-listed Courses

[History of Art and Architecture 122x. Architecture of the Mediterranean World (1300-1650)]

[History of Art and Architecture 152. Italian Renaissance Art]

Linguistics 110. Introduction to Linguistics

Primarily for Graduates

Italian 201. Italian Studies Colloquium

Catalog Number: 6124

Francesco Erspamer

Half course (spring term). W., 4–6:30. EXAM GROUP: 9

Note: Conducted in Italian.

Italian 230. Petrarca and the Divided Self

Catalog Number: 5548

Lino Pertile

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Petrarch's vernacular poetry in cultural context of Trecento Italy. Particular reference to Dante and the *dolce stil nuovo*. Stylistic and linguistic features of Petrarch's *Rime* analyzed in depth while philosophical aspects are related to Petrarch's Latin works, especially the *Secretum*.

Note: Conducted in Italian.

[Italian 263. Cities Visible and Invisible: Italian Urban Life and Cultural Change (1904-2004)] - (New Course)



Catalog Number: 8114

Giuliana Minghelli

Half course (spring term). Hours to be arranged.

Resistant to rationality, Italian cities are both archeological sites and blueprints of utopia. From unification to globalization, explores changing ideas of identity, community and citizenship through fiction, film and critical essays on the urban scene.

Note: Expected to be given in 2010–11. Conducted in Italian.

Italian 288r. Italian Literature Seminar

Catalog Number: 0613

Lino Pertile

Half course (fall term). W., 1:30–4. EXAM GROUP: 6, 7, 8

Topic for 2008-09: Pavese

Note: Conducted in Italian.

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Italian 320. Italian Literature: Supervised Reading and Research**

Catalog Number: 4834

Francesco Erspamer 5074, Franco Fido 2446, Giuliana Minghelli 4442 (on leave 2008-09) (fall term only), and Lino Pertile 3416

***Italian 330. Direction of Doctoral Dissertations**

Catalog Number: 3679

Francesco Erspamer 5074, Franco Fido 2446, Giuliana Minghelli 4442 (on leave 2008-09) (fall term only), and Lino Pertile 3416

Latin American Studies

Latin American Studies is an interdisciplinary concentration administered through Romance Languages and Literatures (RLL). Literature, History, Government, Economics, and Anthropology are among the sites where Latin American specialists offer a range of methods and materials to approach a complicated cultural space. For additional courses offered in RLL in the field of Latin American Studies, see Portuguese and Spanish.

Latin American Studies

Primarily for Undergraduates

Latin American Studies 70. Modernity, Culture and Politics in Latin America

Catalog Number: 3379

Mariano Siskind

Half course (spring term). W., 3–5, and an additional hour to be arranged. EXAM GROUP: 8, 9



Introduces students to central debates and problems that have shaped Latin American culture. We address questions of cultural identity, gender, race, politics and aesthetics by looking at historical and literary texts, films, visual arts and urban development from an interdisciplinary perspective. We analyze colonial encounters and gendered subjectivities; the Haitian, Mexican and Cuban revolutions; US-Latin American relations; popular cultures; Latin American cities from Brasilia to Ciudad Juárez; and memory, trauma and traces of dictatorships.

Note: Conducted in Spanish. Readings in Spanish and in English.

Latin American Studies 98. Tutorial—Junior Year

Catalog Number: 1224

Mariano Siskind and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Latin American Studies 98 is required of all honors concentrators in their junior year.

Latin American Studies 99. Tutorial—Senior Year

Catalog Number: 7959

Mariano Siskind and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one term of Latin American Studies 99 is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Latin American Studies.

Cross-listed Courses

***Freshman Seminar 42q. Cosmopolitanism and Globalization: A Latin American Perspective - (New Course)**

For Undergraduates and Graduates

Portuguese

Placement: The term “placement score” or “placement test” below and in the various course descriptions refers to the Portuguese placement test given during Freshman Week for freshmen, and usually on Registration Day for returning students.

Portuguese

Primarily for Undergraduates

Portuguese A. Beginning Portuguese

Catalog Number: 7130

Clémence Jouët-Pastré and staff

Full course (indivisible). M., W., F., at 12. EXAM GROUP: 5

Designed to introduce the student with little or no knowledge of the language to the Portuguese-



speaking world. Teaches fundamental communication skills—understanding, speaking, reading, and writing—and, at the same time, provides exposure to the culture and civilization of Brazil and Portugal through media broadcasts, literature readings, films, music, and videotapes. By the end of the course, students should be able to communicate easily with native speakers as well as be acquainted with basic elements of Luso-Brazilian culture.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese A website.

Portuguese Ac. Beginning Portuguese for Spanish Speakers

Catalog Number: 0430

Clémence Jouët-Pastré and staff

Half course (fall term). M., W., F., at 12 or 1. EXAM GROUP: 5

An introductory language course designed for Spanish-English bilinguals. Along with the fundamental communication skills—understanding, speaking, reading and writing—the course will focus on those features of Portuguese which are most difficult for Spanish speakers: pronunciation, idioms and grammatical structures particular to Portuguese. Students will be introduced to the cultures of the Portuguese-speaking world through readings and authentic materials, including films, music, and videotapes.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Open to Spanish-English bilinguals. Not open to auditors. Section on-line on the Portuguese Ac website.

Prerequisite: 750 on the Spanish SAT II or the Harvard Placement test; 5 on the Spanish AP test; or a 40s level Spanish course.

Portuguese Ad. Beginning Portuguese for Spanish Speakers

Catalog Number: 1315

Clémence Jouët-Pastré and staff

Half course (spring term). M., W., F., at 12 or 1. EXAM GROUP: 5

A continuation of Portuguese Ac. By the end of the second term, students should be able to communicate easily with native speakers and be acquainted with basic elements of Luso-Brazilian culture.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese Ad website.

Prerequisite: Portuguese Ac.

Portuguese Ba. Introduction to Portuguese

Catalog Number: 0514

Clémence Jouët-Pastré and staff

Half course (spring term). Section I, M., W., 3–5; Section II, Tu., Th., 3–5. EXAM GROUP: 8, 9

A basic introductory course for students who can devote only one term to the study of Portuguese. Teaches fundamental communication skills—understanding, speaking, reading and writing—but does not offer a complete study of grammar.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese Ba website.



Portuguese Ca. Intermediate Portuguese I

Catalog Number: 7692

Clémence Jouët-Pastré and staff

Half course (fall term). Section I, M., W., 2–3:30; Section II, Tu., Th., 11:30–1. EXAM GROUP: 7, 8

A beginning intermediate course for students interested in expanding and strengthening their basic Portuguese linguistic skills. Reading, writing, and conversational competency is emphasized through the study of the Luso-African-Brazilian cultures. The course aims to promote cross-cultural understanding through the use of authentic materials such as literary texts, multimedia, film, music, and videotapes.

Note: Conducted in Portuguese. Recommended for students who wish to improve their ability to speak and write Portuguese. May not be taken Pass/Fail. Section on-line on the Portuguese Ca website.

Prerequisite: Portuguese A or permission of course head.

Portuguese Cb. Intermediate Portuguese II

Catalog Number: 2799

Clémence Jouët-Pastré and staff

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Aims to further develop the four communicative skills while expanding students' background knowledge of the history and cultures of the Portuguese-speaking world. Portuguese Cb covers the important grammar points not studied in Portuguese Ca.

Note: Conducted in Portuguese. May not be taken Pass/Fail. Section on-line on the Portuguese Cb website.

Prerequisite: Portuguese Ca or permission of course head.

Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media

Catalog Number: 5024

Clémence Jouët-Pastré

Half course (fall term). Section I, M., W., 2:30–4; Section II, Tu., Th., 11:30–1. EXAM GROUP: 7, 8

Students engage in systematic grammar review, along with practice in writing and vocabulary enrichment, while examining contemporary Brazil as presented in the Portuguese-language press, television, literature, and film. They analyze the ways Brazilians and non-Brazilians construct different and conflicting images of Brazil and “Brazilness.” Issues of race relations, national identity, ethnicity, and gender addressed. Discussions based on historical and literary texts, advertisements, films, videotapes of Brazilian television, and current issues of newspapers and magazines.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of course head.

Portuguese 44 (formerly Portuguese 38). Images of Brazil: Contemporary Brazilian Cinema

Catalog Number: 8893

Clémence Jouët-Pastré



Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Examines major Brazilian films in their historical, political, and social context. Class discussion also focuses on documentaries, reviews, and critical articles. In-depth textual and grammatical analysis, vocabulary building, reflections on the similarities and differences of the oral and written Portuguese will lead students to achieve a high level of competency.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the Portuguese 44 website.

Prerequisite: Portuguese Ca/Cb or permission of course head.

Portuguese 60. Portuguese and the Community

Catalog Number: 3322

Clémence Jouët-Pastré and staff.

Half course (spring term). Tu., 2:30–4; Th., 11:30–1, and four hours of activity-based learning per week. EXAM GROUP: 13, 14

An advanced language course examining the Luso-African-Brazilian experience in the US. Promotes community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with Boston-area community organizations and agencies. Class work focuses on readings and films by and about Luso-African-Brazilians and specific uses of Portuguese language from these communities. Authors include D. Macedo, Braga Martes, Margolis, Sales, Albues, and Villas Boas.

Note: Section on-line on the Portuguese 60 website.

Prerequisite: Portuguese 37, 38 or a score of 100 on the Harvard Placement Test.

***Portuguese 91r. Supervised Reading and Research**

Catalog Number: 5589

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Limited to juniors and seniors.

***Portuguese 97. Tutorial — Sophomore Year**

Catalog Number: 5769

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Successful completion of one term of Portuguese 97 is required of all concentrators in their sophomore year.

***Portuguese 98. Tutorial — Junior Year**

Catalog Number: 8667

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Successful completion of one term of Portuguese 98r is required of all honors concentrators. To enroll see course head.

***Portuguese 99. Tutorial — Senior Year**

Catalog Number: 8753



Clémence Jouët-Pastré and members of the Department and Tutorial Board

Full course. Hours to be arranged.

For honors seniors writing a thesis. Successful completion of one term of Portuguese 99 is required of all honors concentrators. To enroll, see course head.

For Undergraduates and Graduates

Portuguese 118 (formerly Portuguese 219ar). Major Poems of the Portuguese Language I

Catalog Number: 2192

Joaquim-Francisco Coelho

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A study of major lyrical texts of the Portuguese language, from medieval times to the present, with emphasis on poetry written in Portugal and Brazil after 1900. The approach is comparative, focusing on the formal aspects of poetry (meter, rhyme, rhythm).

Note: Conducted in Portuguese.

Portuguese 119 (formerly Portuguese 219br). Major Poems of the Portuguese Language II

Catalog Number: 3242

Joaquim-Francisco Coelho

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A continuation of Portuguese 118.

Note: Conducted in Portuguese.

[Portuguese 122a. Introduction to the Literature of Portugal I]

Catalog Number: 2943

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

The main currents of Portuguese literature. Emphasis on major authors, literary schools, and socio-aesthetic ideas from Gil Vicente and Camões to Eça de Queiroz, Fernando Pessoa, Jorge de Sena and José Saramago. Aims to teach students to read Portuguese texts and to think and write about them in a broad Western European context.

Note: Expected to be given in 2009–10.

Prerequisite: Excellent reading knowledge of Portuguese.

[Portuguese 122b. Introduction to the Literature of Portugal II] - (New Course)

Catalog Number: 9754

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A continuation of Portuguese 122a.

Note: Expected to be given in 2009–10.

[Portuguese 133a. The History of the Short Story in Portugal and Brazil] - (New Course)

Catalog Number: 4881

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A history of the shapes and intentions of the short story in the literatures of Portugal and Brazil,



from early medieval tales to the present. Emphasis given to modern narratives. Among authors include: Eça de Queirós, Machado de Assis, Mário de Andrade, Clarice Lispector, Almada Negreiros, and Jorge de Sena.

Note: Expected to be given in 2010–11.

[Portuguese 133b. The History of the Short Story in Portugal and Brazil, II] - (New Course)

Catalog Number: 5672

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A continuation of Portuguese 133a.

Note: Expected to be given in 2010–11.

[Portuguese 139. Sonnets and Sonneteers of the Portuguese Language] - (New Course)

Catalog Number: 7381

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A historical survey of the theory and practice of the sonnet in the literature of the Portuguese language, from the Renaissance to the end of the 20th century. Portuguese and Brazilian authors include, among others, Camões, Sá de Miranda, Bocage, Antero de Quental, Fernando Pessoa, Carlos Drummond de Andrade, Mário Quintana, Ledo Ivo, David, Mourão-Ferreira, Sophia de Melo Breyner Andresen, Alexandre O'Neill, and Jorge de Sena.

Note: Expected to be given in 2010–11.

Portuguese 141. The Short Stories of Machado de Assis

Catalog Number: 8700

Joaquim-Francisco Coelho

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Analyzes Machado's short stories in chronological order of composition, emphasizing their social content, the idiosyncratic behavior of their characters, and the author's use of language to convey the ambiguities of human nature.

Note: Conducted in Portuguese and English.

Portuguese 151 (formerly Portuguese 251). Culture in Turmoil: Brazil in the 50s, 60s and 70s

Catalog Number: 7461

Nicolau Sevcenko (Universidade de São Paulo)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Discusses some creative and exciting trends in modern Brazilian culture that arose in resistance to military dictatorship: Tropicalismo, Concretismo and Neo-Concretismo, MPB, Cinema Novo, Teatro de Arena and Literatura Marginal.

Note: Conducted in Portuguese. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts C.

[Portuguese 165. The Rise and Fall of Nationalism in Brazil] - (New Course)

Catalog Number: 4830

Nicolau Sevcenko (Universidade de São Paulo)



Half course (fall term). Hours to be arranged.

Since the times of Independence in 1822, nationalism was a rising trend in Brazilian culture. Its climax came with Modernism in the 1920s, the Vargas dictatorship in the 1930s and the building up of Brasilia in the 1950/60s. After that, new trends in globalization started casting Brazilian culture in new, more challenging and problematic directions.

Note: Expected to be given in 2009–10. Conducted in Portuguese.

[Portuguese 171. A Poetic of the Senses: The Brazilian Experience] - (New Course)

Catalog Number: 9449

Nicolau Sevcenko (Universidade de São Paulo)

Half course (fall term). Hours to be arranged.

The prevalence of popular baroque as one of the main sources of Brazilian culture in general puts a stress on the sensorial, the performative, the rhythmic and the sensual as preponderant elements of artistic creativity. Aims to explore this poetic of the senses in different dimensions: literature, poetry, music, dance, theatre, visual arts, film, architecture and urban design.

Note: Expected to be given in 2009–10. Conducted in Portuguese.

Cross-listed courses

[Linguistics 110. Introduction to Linguistics](#)

Primarily for Graduates

[Portuguese 245. Fixed Minds and Fluid Moods: Aesthetic Configurations in the Tropics - \(New Course\)](#)

Catalog Number: 4999

Nicolau Sevcenko (Universidade de São Paulo)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Note: Conducted in Portuguese.

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Portuguese 320. Literature of Portugal: Supervised Reading and Research**

Catalog Number: 6733

Nicolau Sevcenko (Universidade de São Paulo) 5229 (spring term only) and Joaquim-Francisco Coelho 7715

***Portuguese 321. Literature of Brazil: Supervised Reading and Research**

Catalog Number: 5933

Joaquim-Francisco Coelho 7715 and Nicolau Sevcenko (Universidade de São Paulo) 5229 (spring term only)

***Portuguese 330. Direction of Doctoral Dissertations**

Catalog Number: 4072



Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880 (on leave 2008-09), Luis Fernández-Cifuentes 2091, Mary M. Gaylord 2632 (on leave spring term), Nicolau Sevckenko (Universidade de São Paulo) 5229 (spring term only), and Doris Sommer 2744

Romance Languages

See also courses in Linguistics.

[Romance Languages](#)

Primarily for Graduates

Romance Languages 200. Second Language Teaching and Learning

Catalog Number: 2825

Kimberlee Campbell

Half course (fall term). W., 4–7 pm. EXAM GROUP: 9

An overview of second-language teaching and learning. Students encouraged to think critically about theoretical models, learning objectives, materials design, and classroom practice. Students evaluate existing textbooks as well as design their own materials.

Note: First hour a special practicum for graduate students and teaching assistants from the Department of Romance Languages and Literatures only. Open to qualified undergraduates.

Graduate Courses of Reading and Research

[*Romance Languages 300. Seminar for Dissertation Writing in the Romance Literatures]

Catalog Number: 9758

Mary M. Gaylord 2632 (on leave spring term)

Half course (fall term; repeated spring term). Bi-weekly meetings: Fall: W. 5-7; Spring: M. 5-7. EXAM GROUP: 9

Addresses prospectus preparation; scope, chapter organization, audience; politics and ethics of critical writing (acknowledgement, quotation, controversy); publishing (conference/job talks, articles, book). Biweekly meetings use readings, discussion, workshopping, guest lectures to focus on practical concerns.

Note: Expected to be given in 2009–10.

Prerequisite: Completion or imminent completion of PhD general examinations.

Romance Studies

[Romance Studies](#)

Primarily for Undergraduates

[Romance Studies 79. Romance Languages in Comparative Perspective]

Catalog Number: 8713



Elvira G. DiFabio and members of the Department

Half course (fall term). Hours to be arranged.

Highlights of the similarities and differences among the Romance languages, beginning with an overview of the historical development of the Romance languages from Latin, and moving on to the comparison of linguistic identifiers of French, Italian, Portuguese, and Spanish; may also include a discussion of Catalan. Topics will cover comparative phonology, morphology, and syntax, as well as some cross-cultural experiences such as immigration and translation.

Note: Expected to be given in 2009–10. Conducted in English; texts in original and in translation. May not be taken by RLL graduate students to fulfill the history of the language requirement.

Prerequisite: Advanced proficiency in one of the Romance Languages, or permission of the faculty committee.

***Romance Studies 91r. Supervised Reading and Research**

Catalog Number: 8210

Mary M. Gaylord (fall term), Virginie Greene (spring term) and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Romance Studies 97. Tutorial—Sophomore Year**

Catalog Number: 1994

Mary M. Gaylord (fall term), Virginie Greene (spring term) and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Romance Studies 97 is required of all concentrators in their sophomore year.

***Romance Studies 98. Tutorial—Junior Year**

Catalog Number: 5203

Mary M. Gaylord (fall term), Virginie Greene (spring term) and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Romance Studies 98 is required of all honors concentrators in their junior year.

***Romance Studies 99. Tutorial—Senior Year**

Catalog Number: 1067

Mary M. Gaylord (fall term), Virginie Greene (spring term) and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Weekly individual instruction. Successful completion of one term of Romance Studies 99 is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Romance Studies.

For Undergraduates and Graduates



Romance Studies 120. Emergence of the Lyric Subject in Early Romance Poetry (12th to 16th Centuries) - (New Course)

Catalog Number: 2216

Mary M. Gaylord and Virginie Greene

Half course (fall term). Th., at 1, Tu., 1–3. EXAM GROUP: 15, 16

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 in translation.

Prerequisite: Reading knowledge of one Romance language.

Romance Studies 143. Texts, Materially Speaking: An Introduction to the History of the Book - (New Course)

Catalog Number: 7283

Maria Grazia Lolla

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The relation of literature to authors, publisher and readers from manuscripts to cybertexts: the physical make-up of books, the sociology of authorship and readership, editorial practices, libraries and museums, censorship and intellectual property.

Note: Conducted in English.

[Romance Studies 170. Fictions of Marginality: Italian and Latin American Novel and Film in the Age of Globalization] - (New Course)

Catalog Number: 7076

Francesco Erspamer and Mariano Siskind

Half course (spring term). Hours to be arranged.

Contemporary Latin American and Italian writers share commonalities: they acknowledge their cultures as marginal, and as unable to compete on the global scene and in their own countries with the imaginaries mass-marketed by the English-speaking world. This narrative of loss and exclusion has inspired great novels and films, in which the desire for recognition is expressed through translation and re-writing, the invention of the past, the critique of traditional identities, the hope of social change.

Note: Expected to be given in 2010–11. Conducted in English.

[Romance Studies 189. The Culture of Antifascism]

Catalog Number: 3680

Francesco Erspamer

Half course (fall term). Hours to be arranged.

The purpose of this course is to show that antifascism has not just been a form of tactical resistance to historical fascisms but rather a vital intellectual and social movement in its own right, committed to fight against bigotry, racism, authoritarianism, and inequality. Readings will include Italian writers and thinkers of the first and second half of the 20th century, such as Gramsci, Silone, Emilio Lussu, Piero Gobetti, Carlo Rosselli, Moravia, Vittorini, Pasolini.

Note: Expected to be given in 2010–11. Conducted in English.



Primarily for Graduates

Romance Studies 201. Approaches to Theory

Catalog Number: 0934

Alice A. Jardine and Members of the Department

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Major topics in literary/cultural theory addressed by specialists in the Department. Emphasis on both theoretical canons and current disciplinary controversies. Topics include: formalism; semiotics; structuralism; post-structuralism; Marxism; psychoanalysis; deconstruction; cultural, post-colonial, feminist, and queer studies.

Note: Conducted in English.

Romance Studies 202. Ethics and Aesthetics (Graduate Seminar in General Education) - (New Course)

Catalog Number: 2167

Francesco Erspamer and Doris Sommer

Half course (fall term). M., 3–6. EXAM GROUP: 8, 9

Readings alternate between theory and literature/other arts to explore mutual relationships between the social conditions for art-making and art's effects. How do creative practices play into ethics? Does philosophy depend on counter-factual [fictional] imaginings? The seminar will design and develop a General Education course on these themes for undergraduates.

Note: Conducted in English.

Spanish

All students who have taken Spanish in secondary school are required to take the Placement Test given during Freshman Week for freshmen and usually on Registration Day for returning students.

A grade of 5 in the College Board Advanced Placement Examinations in Spanish allows you to take Spanish courses numbered 40 to 90 or, if recommended, 100-level courses. All language courses are conducted in Spanish and include weekly writing assignments. For details, see the pamphlet *Advanced Standing at Harvard College* or apply to the Director of the Program of Advanced Standing.

Spanish

Primarily for Undergraduates

Spanish Aa. Beginning Spanish I - (New Course)

Catalog Number: 0507

Johanna Damgaard Liander and staff

Half course (fall term; repeated spring term). M., through Th., at 9, 10, 11, 1 or 2. EXAM GROUP: 10

A basic beginning semester course for students with no previous study of Spanish. Emphasis on



speaking, while developing all four language skills. Hispanic culture will be introduced throughout and computer; video and film materials will be used.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish Aa website. Students who have studied Spanish for two years or more in secondary school must begin at Spanish Ab or higher.

Spanish Ab. Beginning Spanish II - (New Course)

Catalog Number: 3328

Johanna Damgaard Liander and staff

Half course (fall term; repeated spring term). M., through Th., 9, 10, 11, 1 or 2. EXAM GROUP: 10

For students with the equivalent of one semester previous study of Spanish. Emphasis on speaking, reading and writing while including Hispanic culture through contemporary texts and using computer, video and film materials. After Spanish Aa and Ab, students should be able to engage in everyday conversation with native speakers, and read straightforward texts, both fiction and non-fiction, with relative ease.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish Ab website. Students who have studied Spanish for two years or more in secondary school must begin at Spanish Ab or higher. Upon the recommendation of the course head, students who have performed at a superior level in this course may enroll in any course for which they are linguistically prepared. Prerequisite: 450 on the SAT II test or on the Harvard Placement Test, Spanish Aa, or permission of course head.

***Spanish Acd (Formerly Spanish Bab). Intensive Beginning Spanish: Special Course**

Catalog Number: 5577 Enrollment: Limited to 15 students per section.

Johanna Damgaard Liander and staff

Full course (fall term; repeated spring term). Section I, M., through F., at 9, and Tu., Th., at 10; Section II, M., through F., at 11, and Tu., Th., at 12. EXAM GROUP: 2, 11, 12

For students with no previous formal training in Spanish but with competence in at least one foreign language. Emphasis on communication skills. Language instruction supplemented by cultural and literary readings, film, and computer materials.

Note: May not be used to fulfill the language requirement. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students.. Interested students should contact the instructor before registration for fall term and before fall examination period for spring term. Upon the recommendation of the course head, students who have performed at a superior level in this course may enroll in any course for which they are linguistically prepared.

Spanish Ax. Reading Spanish

Catalog Number: 5318

Nina C. de W. Ingraio and staff

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

For students (both undergraduate and graduate) with little or no knowledge of Spanish. Aims at the rapid development of reading skills as a tool for research.

Note: Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Conducted in English. Section on-line on the Spanish Ax website.



Spanish C. Intermediate Spanish - (New Course)

Catalog Number: 5819

Adriana Gutiérrez and staff

Half course (fall term; repeated spring term). Sections M., T., W., Th. at 9, 10, 11, 1, and 2.

EXAM GROUP: Fall: 10; Spring: 2, 11

An intermediate language and culture class that aims to consolidate and expand the skills of listening comprehension, speaking, reading and writing in Spanish. Includes a comprehensive review of the grammar and reinforces linguistic acquisition through texts, movies, art and multi-media projects to acquaint students with cultural issues relevant to the Spanish-speaking world.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish C website. Upon the recommendation of the course head, students who have performed at a superior level in this course may enroll in any course for which they are linguistically prepared.

Prerequisite: Spanish A, Bab, 600 on the SAT II test or on the Harvard Placement Test, or permission of course head. Students who have studied Spanish for three years or more in secondary school must begin at Spanish C or higher.

Spanish 30. Advanced Language Review through Literature and Culture, I

Catalog Number: 0479

Adriana Gutiérrez and staff

Half course (fall term; repeated spring term). M., W., F. at 10, 11, and 1. EXAM GROUP: 3

Continues to reinforce the practice of oral and written communication in Spanish through topics in contemporary cultural materials from Spain and Latin America. Students will focus on improving accuracy, refining pronunciation and developing vocabulary. In addition to in-class discussions, course work involves grammar review and practice in writing. Consult course website for current semester topics.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the Spanish 30 website. Upon the recommendation of the course head, students who have performed at a superior level in this course may enroll in any course for which they are linguistically prepared.

Prerequisite: 680 on the SAT II test or on the Harvard Placement Test, Spanish C, or permission of course head.

Spanish 40. Advanced Language Review through Literature and Culture, II - (New Course)

Catalog Number: 9393

Johanna Damgaard Liander and Nina C. de W. Ingraio

Half course (fall term; repeated spring term). Fall: M., W., F., at 10; 11 and Spring: M., W., F., at 10; 11; 12. EXAM GROUP: Fall: 3, 4; Spring: 3

An advanced language and culture class that further develops linguistic competence using a region of the Hispanic world as a focus for class discussion, grammar review, and an introduction to Hispanic social contexts and texts. Course materials may also include films, interviews, painting, selections from the press, as well as literary or historical readings. Frequent written and oral assignments, and a thorough review of grammar. Consult course website for current semester topics.

Note: Conducted in Spanish. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS



students. Section on-line on the Spanish 40 website.

Prerequisite: 720 on the SAT II test or on the Harvard Placement Test, AP 5, a Spanish 30-level course, or permission of course head.

Spanish 50. Writing and Performance

Catalog Number: 6794

Adriana Gutiérrez

Half course (fall term; repeated spring term). Fall and Spring: Section I, Tu., Th. 11:30-1; Section II, Tu., Th. 1-2:30. EXAM GROUP: 13, 14

An advanced language course designed to strengthen and develop competence in written expression. Close reading of texts in literary and non-literary genres will help students refine personal style. The performance of short excerpts of plays, combined with advanced work on oral expression and phonetics, will help students increase their fluency and ease of expression. *Note:* Conducted in Spanish. Recommended for concentrators and joint concentrators. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish 50 website.

Prerequisite: 750 on the SAT II test or on the Harvard Placement Test, a Spanish 40-level course, or permission of course head.

Spanish 60. Spanish and the Community

Catalog Number: 8789 Enrollment: Limited to 12.

Johanna Damgaard Liander and staff.

Half course (fall term; repeated spring term). Tu., Th., 10-11:30, and four hours of activities-based learning a week. EXAM GROUP: 12, 13

An advanced language course which examines the Latin American and Latino experience in the US, promoting community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with community organizations within the Boston area. Classwork focuses on readings and films by and about Latin Americans in the US and specific uses of Spanish in these communities. Authors include Sandra Cisneros, Ilán Stavans, and Alberto Fuguet.

Note: Interested students must apply in writing *before* registration (fall term) and before Winter Recess (spring term) to Johanna Damgaard Liander.

Prerequisite: 750 on the SAT II test or on the Harvard Placement Test, Spanish 40 or permission of course head.

Spanish 65. Bilingual Arts - (New Course)

Catalog Number: 9315

Doris Sommer

Half course (spring term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13

For heritage speakers and advanced language students, Latino literature, in the forms of poetry, narrative, theater, and film, will be the focus of an in-depth review of grammar and style in Spanish, as well as the uses of Spanish alongside English language arts. A range of artists from Latin American origins will be featured, including those with ties to the Caribbean, Mexico, Central and South America.

Note: Conducted in Spanish. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.



Prerequisite: 700 on the SAT II test or on the Harvard Placement Test, Spanish 40 or permission of course head.

[Spanish 70a. Heroes, Rogues, Saints, Sinners: Archetypes of Spanish Literature]

Catalog Number: 1587

Mary M. Gaylord

Half course (fall term). Hours to be arranged.

Ruy Díaz de Vivar, "el Cid," and other Rodrigos; Santiago "Matamoros"; the bawd Celestina; picaro Lazarillo de Tormes; conquistador Hernán Cortés; Don Quijote and Don Juan in the medieval and Early Modern texts and contexts which produced these enduring cultural icons. Emphasis on critical reading and writing.

Note: Expected to be given in 2009–10.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

Spanish 70c. Documenting Spanish Modernity: A Survey of Spanish Literature and Culture from 1700

Catalog Number: 7713

Luis Fernández-Cifuentes

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

From philosophical essays to newspaper articles, from romantic tragedy to turn-of-the-century films, from early autobiography to dirty realism, from academic landscape painting to comic strips, this course will present a provocatively diverse set of documents that will help understand Spain's equivocal and frequently contested Modernity.

Note: Conducted in Spanish. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50-level course in Spanish; or permission of course head.

Spanish 71a. Encountering Difference: Experience and Imagination in Latin American Colonial Literature (1492-1808)

Catalog Number: 4319

Rosa Perelmuter (University of North Carolina, Chapel Hill)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An overview of the literary and cultural production of writers experiencing the New World during the first centuries after the Encounter. We will consider a variety of genres (letters, chronicles, histories, *relaciones*, poetry) and discuss topics that might include: the New World as Paradise; questioning the essence of the other; portraying resistance: warriors, defectors, heretics; from conquest to colonization and beyond: when mestizos and criollos speak; the construction of gender in Early Modern Latin America.

Note: Conducted in Spanish. Required for concentrators in Hispanic Literatures and Hispanic Studies (as an alternative to Spanish 71b), and mandatory for concentrators in Latin American Studies.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.



Spanish 71b. The Modern Era of Latin American Literature

Catalog Number: 6700

Luis E. Cárcamo-Huechante

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A journey through Spanish-American literature and culture in the context of the major waves of modernization, from the end of the nineteenth- to the late twentieth-century. Special emphasis on the relationship of authors and literary works to changes in the international arts scene, as well as in print culture, cities, politics, social movements, economics and technology. Readings by Darío, Martí, Agustini, Neruda, Vallejo, Borges, García Márquez, Fuentes, and Arguedas, among others.

Note: Conducted in Spanish. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts C.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

[Spanish 84. Poetry and Grammar; Language and the Making of Poems in Spanish] - (New Course)

Catalog Number: 8738

Mary M. Gaylord

Half course (fall term). Hours to be arranged.

What are poems made of? Although meter, versification, and diction are the raw materials considered most proper to poetry, poets have long known that grammatical forms and syntax provide indispensable building blocks for verse composition. Reading major poets--classical and modern, Spanish and Latin American--we will explore what a focus on grammar suggests about poetic craft and what focus on poems as grammatical structures reveals about the making of meaning in Spanish.

Note: Expected to be given in 2009–10. Expected to be given in 2009-10. Conducted in Spanish.

Prerequisite: Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

Spanish 90m. Imagining Latin Americas: Neruda, Asturias, and Paz.

Catalog Number: 8609

Luis E. Cárcamo-Huechante

Half course (fall term). M., W., at 11, and one hour to be arranged. EXAM GROUP: 4

Analyzes the poetry, narrative and essays of three major twentieth-century writers: Pablo Neruda, Miguel Angel Asturias, and Octavio Paz, with particular attention to the ways in which their writings "imagine" the role of individual and collective, intimate and public, political, cultural and historical experiences and utopias in the shaping of national and Latin American identities. Use of methodologies and tools for literary analysis an integral part of the course.

Note: Conducted in Spanish. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

***Spanish 91r. Supervised Reading and Research**

Catalog Number: 1586



Johanna Damgaard Liander and members of the Department and Tutorial Board
Half course (fall term; repeated spring term). Hours to be arranged.
Tutorial supervision of research on subjects not treated in regular courses.

***Spanish 97. Tutorial—Sophomore Year**

Catalog Number: 2315

Luis Fernández-Cifuentes

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Theory in Praxis: Critical Controversies. Reading assignments will expose not only a variety of recent developments in literary criticism (as it has been practiced by prominent scholars, from Vygotsky to Barbara Johnson, on both prose and poetry) but also significant controversies that have accompanied and stimulated such development (Trilling versus Vendler on Wordsworth, Alonso versus Spitzer on Fray Luis, etc.). Requirements include short weekly papers and regular participation in class discussions.

Note: Conducted in Spanish. Required for all concentrators in their sophomore year, but open to others.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

***Spanish 98. Tutorial—Junior Year**

Catalog Number: 5511

Johanna Damgaard Liander and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Spanish 98 is required of all honors concentrators in their junior year.

***Spanish 99. Tutorial—Senior Year**

Catalog Number: 5867

Johanna Damgaard Liander and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one term of Spanish 99 is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Spanish.

Cross-listed Courses

Aesthetic and Interpretive Understanding 13 (formerly Spanish 180). Cultural Agents

***Freshman Seminar 42q. Cosmopolitanism and Globalization: A Latin American Perspective - (New Course)**

For Undergraduates and Graduates

Open to students with 750 on the Harvard Placement Test or SAT II, a score of 5 on the Advanced Placement Test in language or literature, previous coursework at Harvard of an appropriate level, or permission of course head. For other related courses, see also Latin American Studies and Romance Studies.



Spanish 108. Spanish Language Development Through Poetry - (New Course)

Catalog Number: 5002

Hugo Hiriart (spring term only)

Half course (spring term). M., W., at 12. EXAM GROUP: 5

The art of reading poetry through writing in verse. This course will include analysis of major trends in Spanish meter and verse as well as experimental uses.

Note: Conducted in Spanish.

Spanish 110. Hispanic Literature: The Middle Ages - (New Course)

Catalog Number: 9402

Luis M. Girón Negrón

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Introduction to the study of premodern Spanish literature from its origins through the 15th century. Close reading of representative works framed in historical context: *Cantar de Mío Cid*, *Milagros de Nuestra Señora*, *Libro de buen amor*, *Conde Lucanor*, *Laberinto de Fortuna*, *Coplas a la muerte de de su padre*, *Cárcel de amor* and *La Celestina*. Attention to critical approaches and themes in medieval literary studies (e.g. orality and poetics, historicism, folklore and narratology).

Note: Conducted in Spanish. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Spanish 112. Drama in Spanish: Theory and Practice

Catalog Number: 7707

Hugo Hiriart (spring term only)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Focus on the writing, appreciation and criticism of drama. Topics include: Aristotelian analysis of tragedy; Comedy; an introduction to the Spanish Golden Age of drama; Latin American modern theater; Dreams as dramatic performance; Workshop in drama writing and staging.

Note: Conducted in Spanish.

Spanish 116. Sor Juana Ines de la Cruz: The Literary Production of Seventeenth-Century Mexico's "Tenth Muse" - (New Course)

Catalog Number: 1385

Rosa Perelmuter (University of North Carolina, Chapel Hill)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

Studies a variety of texts (poetry, auto sacramentals, comedia, letters) written by the most celebrated female Hispanic writer of the seventeenth century. Discussions may include: rhetoric and feminism; Sor Juana's literary forebears; freedom and repression in the convent; SJ addresses gender; the literary reception of SJ; modern reenactments of SJ's life and works, or how a play, an opera, several movies, novels, and a *telenovela* came to be.

Note: Conducted in Spanish.

[Spanish 124. Cervantes: Don Quixote]

Catalog Number: 1378

Mary M. Gaylord

Half course (spring term). Hours to be arranged.



Cervantes' masterpiece as imaginative response to developments in European literature and aesthetic theory, the conflicted politics of race and religion, 16th-century historiography (serious and burlesque) and the discursive practices of imperial Spain. Close reading of *Don Quijote* in relation to its models, reception history and contemporary criticism and theory.

Note: Expected to be given in 2009–10. Conducted in Spanish.

Spanish 152. Magical Realism and Its Discontent: Latin American Novels That Didn't Boom

Catalog Number: 0215

Mariano Siskind

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Before and after the "boom," Carpentier and García Márquez found a narrative form to express Latin America's aesthetic particularity in magic and marvel. Since the publication of *Cien años de soledad*, its remarkable impact generated all sorts of experimental responses attempting to work through Latin American social reality in very different ways. We read novels by Carpentier, García Márquez, Rulfo, Asturias, Uslar Pietri, Onetti, Saer, Cabrera Infante, Glantz, Bolaño, Fuguet, Bellatín, Buarque and Aira.

Note: Conducted in Spanish.

[Spanish 154. Travel Literature and Modernity in the 19th Century]

Catalog Number: 9121

Mariano Siskind

Half course (spring term). Hours to be arranged.

During the second half of the 19th century Latin American intellectuals had to think of ways in which the culture of the region could participate of the processes of globalization of modernity, and the experience of travel lend itself as one of the most appealing sources for these imaginations. We will read narratives of travel in the Americas, and to Europe, the countryside and the Far East by Sarmiento, Gertrudis Gómez de Avellaneda, Flora Tristán, Juana M. Gorriti, Estanislao del Campo, Martí, Darío, Nervo, Groussac, Ugarte, Tablada and Gómez Carrillo.

Note: Expected to be given in 2010–11. Conducted in Spanish.

[Spanish 172. Barcelona and Modernity]

Catalog Number: 4211

Bradley S. Epps

Half course (spring term). M., W., [F.], at 11.

Examines the construction, expansion, and transformation of Barcelona as cultural capital of Catalonia and as site of political and aesthetic experimentation from the mid-19th century to the present. Drawing on literature, criticism, visual arts, architecture, urban planning, film, and music, we explore national identity, nationalism, and language; bilingualism and multiculturalism; and the relations between art and economics, political conformity and resistance.

Note: Expected to be given in 2010–11. Conducted in Spanish; papers in Spanish, English, or Catalan. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.



Spanish 181. *Cuentos and cuentas: The Economy of Short Story - (New Course)*

Catalog Number: 9705

Luis E. Cárcamo-Huechante

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Does the issue of brevity make the short story intimately connected to economic imagination? How about the linguistic proximity of *cuentos* and *cuentas*? The Spanish-American short story, from the early twentieth century until today, will be "economically" under scrutiny. Authors to be read are Quiroga, Teresa de la Parra, Arguedas, Rulfo, García Márquez, Cortázar, Borges, Cabrera Infante, Ribeyro, Cristina Peri Rossi, Bolaño, among others.

Note: Conducted in Spanish. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Spanish 186. Tobacco and Sugar - (New Course)

Catalog Number: 0797

Doris Sommer

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

"The Cuban Counterpoint Between Tobacco and Sugar" (1940) by Francisco Ortiz will be the guide for considering the esthetic and historical experiments throughout the Spanish Caribbean. Different crops produced different political and cultural responses. Along with a general view of musical forms and plastic arts, and political developments, we concentrate on literary works including *Cecilia Valdés*, and other abolitionist novels, the Dominican *Over* and Puerto Rico's *La charca*, writings by Hostos, Bonó and others.

Note: Conducted in Spanish and English.

[Spanish 190. Proclaiming Territories: Indigenous Literatures and Cultures of the Americas]

Catalog Number: 0340

Luis E. Cárcamo-Huechante

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the ways in which indigenous cultural producers have recreated the notion of territory in the age of globalization. In recent decades, indigenous writers and artists have explored multiple territories as their own, ranging from the land to the space of textile art and poetry, from rivers, lakes, and mountains, to radios, videos, and Internet sites. Issues of cultural appropriation, transculturation, *mestizaje*, and hybridity will be critical to our discussion.

Note: Expected to be given in 2009–10. Conducted in Spanish.

Prerequisite: Advanced reading ability in Spanish.

[Spanish 191. Jorge Luis Borges and Julio Cortázar]

Catalog Number: 5420

Diana Sorensen

Half course (fall term). Hours to be arranged.

A course devoted to their major writings and to the ways in which they have established productive dialogues with critical theory and with other literary traditions.

Note: Expected to be given in 2010–11. Conducted in Spanish. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.



Cross-listed Courses

[History of Art and Architecture 197g. Colonial Art]
Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages

Primarily for Graduates

[Spanish 201. The History of the Spanish Language]

Catalog Number: 5610

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

A general survey of the development of the Spanish language from Latin to the present.

Interdisciplinary approach.

Note: Expected to be given in 2009–10. Conducted in Spanish.

[Spanish 204. Love and Power in 14th-Century Castille: Juan Ruiz and Juan Manuel]

Catalog Number: 1181

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

Love and power as the thematic axes in two classics of premodern Spanish verse and prose, respectively: Juan Ruiz's *Libro de buen amor* and Juan Manuel's *Conde Lucanor*. Close readings with due attention to major critical trends and scholarly approaches.

Note: Expected to be given in 2010–11. Conducted in Spanish.

[Spanish 220. Jews and Judaism in Medieval Spanish] - (New Course)

Catalog Number: 8455

Luis M. Girón Negrón

Half course (spring term). Hours to be arranged.

Explores the formative role of Judaism in the literary history of Old Spanish in three areas: Jews as literary characters; Spanish works by medieval Jewish authors; Jewish themes and influences on Hispano-Christian writers.

Note: Expected to be given in 2009–10. Conducted in Spanish.

Spanish 222. From Lorca to Góngora: Early-Modern Poetry in the Twentieth Century - (New Course)

Catalog Number: 0672

Christopher H. Maurer (Boston University)

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

The response – in poems and essays – of 20th-century Spanish and Latin American poets (García Lorca, Guillén, Cernuda, Borges, Neruda) to 16th- and 17th-century Spanish poetry (Góngora, Quevedo, San Juan de la Cruz, Garcilaso).

Note: Conducted in Spanish.

[Spanish 243. Foundational Fiction and Film]

Catalog Number: 3129



Doris Sommer

Half course (fall term). Hours to be arranged.

Through novels that helped to consolidate nation-states in Latin America, explores modernity as personal and public lessons in laissez-faire. Sequels in film, telenovelas, performances show tenacity of genre. Links between creativity and citizenship. Theorists include Anderson, Foucault, Arendt, Lukacs, Flaubert.

Note: Expected to be given in 2010–11. Conducted in Spanish.

Spanish 250. Towards a History of the Latin American Intellectual - (New Course)

Catalog Number: 9879

Carlos Altamirano (Universidad Nacional de Quilmes)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Interrogates the history of the 19th- and 20th-century public intellectual using concepts from sociology of culture, political history and history of ideas. We review established approaches (Gutierrez Girardot, Halperin Donghi, Rama) and attempt new hypothesis.

Note: Conducted in Spanish.

Spanish 261. The Return of World Literature: Placing Latin America, Debating Universalism - (New Course)

Catalog Number: 8328

Mariano Siskind

Half course (spring term). M., 11–1. EXAM GROUP: 4, 5

With Moretti and Casanova, world literature has made a comeback, but is there room for Latin America in its renewed theory? We read Goethe, Hegel, Marx, Bourdieu, Jameson, Schwarz and Latin American fiction and essays.

Note: Conducted in Spanish.

Spanish 264. Indigenous Voices: From Popol Vuh to Radio - (New Course)

Catalog Number: 5955

Luis E. Cárcamo-Huechante

Half course (spring term). W., 3–5:30. EXAM GROUP: 8, 9

Representation and self-representation of indigenous peoples in Latin American literature and media. Works by Fray Francisco Jiménez, Gorriti, Castellanos, Arguedas, Menchú, and Nahuatl, Mayan, Quechua, and Mapuche writers, films and samples of radio programs.

Note: Conducted in Spanish. Open to advanced undergraduate students.

[Spanish 277. Africa in the Modern Spanish Imaginary] - (New Course)

Catalog Number: 4373

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the variegated relations between Spain and its "forgotten" colonial endeavors in Morocco, Western Sahara, and Equatorial Guinea as represented in novels, political essays, film. Authors/artists: Cadalso, Alarcón, Fortuny, Pérez Galdós, Unamuno, Azorín, Carmen de Burgos, Sender, Franco, Juan Goytisolo, Donato Ndongo, others.

Note: Expected to be given in 2009–10.



Spanish 281r. Seminar: Major Critical Issues of 16th- and 17th-Century Spanish Literature

Catalog Number: 9785

Mary M. Gaylord

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Topic for 2008-09: Luis de Góngora y Argote. Poems, plays and prose, read in light of contemporary theories of "proper" language, practices of poetic imitation, learned commentary on Góngora's works, cultural controversy.

Note: Conducted in Spanish.

Cross-Listed Courses

[Comparative Literature 210. The Politics of Writing: From Historical Novel to Historiographic Metafiction] - (New Course)

***Comparative Literature 211. Mysticism and Literature: Seminar**

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Spanish 320. Spanish and Hispanic-American Literature: Supervised Reading and Research**

Catalog Number: 5764

Luis E. Cárcamo-Huechante 4053, Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880 (on leave 2008-09), Luis Fernández-Cifuentes 2091, Mary M. Gaylord 2632 (on leave spring term), Luis M. Girón Negrón 3060, Mariano Siskind 5530, Doris Sommer 2744, and Diana Sorensen 4214

***Spanish 330. Direction of Doctoral Dissertations**

Catalog Number: 2143

Luis E. Cárcamo-Huechante 4053, Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880 (on leave 2008-09), Luis Fernández-Cifuentes 2091, Mary M. Gaylord 2632 (on leave spring term), Luis M. Girón Negrón 3060, Francisco Márquez Villanueva 5064, Mariano Siskind 5530, Doris Sommer 2744, and Diana Sorensen 4214

Russia, Eastern Europe, and Central Asia

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



***Faculty of the Standing Committee on the Degree of Master of Arts in Regional Studies—
Russia, Eastern Europe, and Central Asia***

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies
(*Chair*)

Patricia R. Chaput, Professor of the Practice of Slavic Languages

Grzegorz Ekiert, Professor of Government

Alison F. Frank, John L. Loeb Associate Professor of the Social Sciences

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures

Terry D. Martin, George F. Baker III Professor of Russian Studies

Kelly A. O'Neill-Uzgiris, Assistant Professor of History

Serhii Plokhii, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History

James R. Russell, Mashtots Professor of Armenian Studies (*on leave spring term*)

Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures

William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of
Comparative Literature, Harvard College Professor

Justin Weir, Professor of Slavic Languages and Literatures (*on leave spring term*)

***Other Faculty Offering Instruction in Regional Studies—Russia, Eastern Europe, and
Central Asia***

Rawi Abdelal, Associate Professor of Business Administration (*Business School*)

Laura L. Adams, Lecturer on Sociology, Preceptor in Expository Writing

Jonathan H. Bolton, Associate Professor of Slavic Languages and Literatures

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and
Professor of Comparative Literature

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*on leave spring
term*)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology

Joanna Nizynska, Associate Professor of Slavic Languages and Literatures

Thomas Simons, Lecturer on Government (*spring term only*)

Cindy Skach, Associate of the Institute for Quantitative Social Science

Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)

Justin Weir, Professor of Slavic Languages and Literatures (*on leave spring term*)

This is a two-year interdisciplinary program leading to the AM degree. For details, see the
supplement, “AM in Regional Studies—Russia, Eastern Europe, and Central Asia (REECA).”

The program aims to provide students with a firm grounding in the history, culture, language,
politics, and economics of Russia, and of other countries of the former Soviet Union and Eastern
Europe. Graduates typically enter careers in government service, international trade or finance,
journalism, or consulting; some pursue further training in business, law, or academia.

The course of studies takes into account the previous background, as well as the professional
needs and interests, of the individual student. In addition to offerings by the Faculty of Arts and
Sciences, students may cross-register for courses at other schools of Harvard University, MIT,



and the Fletcher School of Law and Diplomacy. Arrangements may be made for students interested in fields not usually represented in course offerings. Faculty may offer specialized seminars specifically for program students. Students who have completed basic program requirements may seek permission for individual research under faculty direction.

Below is a partial list of departments offering courses on Russian, East European, and Central Asian Studies:

Comparative Literature, Economics, Government, History, Near Eastern Languages and Civilizations (for courses on Islamic civilization, as well as languages of Central Asia and the Caucasus), Slavic Languages and Literatures, Sociology, and Ukrainian Studies.

For more information on courses offered, please see individual departmental listings, or visit the REECA website at daviscenter.fas.harvard.edu/student—programs/masters.html

Primarily for Graduates

***Regional Studies — Russia, Eastern Europe, and Central Asia 299a. Master's Thesis Reading and Research**

Catalog Number: 3938 Enrollment: Limited to master's degree candidates in the REECA Program.

Timothy J. Colton and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading, research, and writing to fulfill the thesis requirement in the master's degree program in Regional Studies—Russia, Eastern Europe, and Central Asia.

Note: Master's degree candidates are required to complete both *RSRA 299a and *299b.

Normally, these courses are taken during the second year of graduate studies.

***Regional Studies — Russia, Eastern Europe, and Central Asia 299b. Master's Thesis Reading and Research**

Catalog Number: 1931 Enrollment: Limited to master's degree candidates in the REECA Program.

Timothy J. Colton and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

A continuation of RSRA 299a.

Note: Master's degree candidates are required to complete both *RSRA 299a and *299b.

Normally, these courses are taken during the second year of graduate studies.

Sanskrit and Indian Studies



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sanskrit and Indian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*) (*Director of Undergraduate Studies*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Richard S. Delacy, Preceptor in Urdu and Hindi

Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society

Naseem A. Hines, Preceptor in Urdu-Hindi, Contin Ed/Spec Prog Instructor

Guy Kendall Leavitt, Preceptor in Sanskrit

Parimal G. Patil, John L. Loeb Associate Professor of the Humanities (*on leave 2008-09*)

Michael Witzel, Wales Professor of Sanskrit, Contin Ed/Spec Prog Instructor (*on leave fall term*)

Affiliates of the Department of Sanskrit and Indian Studies

Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology (*Divinity School*)

Anne E. Monius, Professor of South Asian Religions (*Divinity School*) (*Director of Graduate Studies*)

Other Faculty Offering Instruction in the Department of Sanskrit and Indian Studies

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

Richard H. Meadow, Senior Lecturer on Anthropology

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Sat/UNS. Students should consult with course heads to determine if a course is offered on that basis. For further information and updates, please visit our website: www.fas.harvard.edu/~sanskrit/courses.html.

Indian Studies

Primarily for Undergraduates

***Indian Studies 90r. South Asian Language Tutorials**

Catalog Number: 0317

Leonard W. J. van der Kuijp and assistants

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 4

Individualized study of a South Asian language; emphasis on written expression, reading comprehension and oral fluency. Languages currently offered include Tamil and Bengali though others may be approved upon petition to the Head Tutor/Director of Graduate Studies.

Note: Not open to auditors.

***Indian Studies 91r. Supervised Reading and Research**

Catalog Number: 0247



Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a long term paper in a topic or topics not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

***Indian Studies 98r. Tutorial — Junior Year**

Catalog Number: 4757

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.

***Indian Studies 99. Tutorial — Senior Year**

Catalog Number: 6111

Leonard W. J. van der Kuijp and members of the Department

Full course. Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.

Cross-Listed Courses

Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies

***Freshman Seminar 44p. Contemporary India: Fact and Fiction**

Historical Study A-16. Modern South Asia in Global History

[Literature and Arts A-92. Love In A Dead Language: Classical Indian Literature and Its Theorists]

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

[Moral Reasoning 80. The Good Life In Classical India]

For Undergraduates and Graduates

[Indian Studies 118. Indian Philosophy: Advanced Introduction]

Catalog Number: 2709

Parimal G. Patil

Half course (fall term). Hours to be arranged.

Discusses selected topics in Indian epistemology, philosophy of language, philosophy of mind, philosophy of religion, and metaphysics. We pay particular attention to the philosophical content of sectarian debates between Buddhist, Hindu, and Jaina philosophers and attempt to assess their arguments. Readings for the course include translations of primary texts, and some selected secondary material.

Note: Expected to be given in 2009–10. No knowledge of India or Sanskrit assumed or required.

***Indian Studies 123. Bollywood and Beyond: Commercial Cinema, Language and Culture in South Asia.**

Catalog Number: 6828 Enrollment: Limited to 20.

Richard S. Delacy

Half course (spring term). M.,W., F., at 11. EXAM GROUP: 4



This course examines concepts of personhood, community and culture in South Asia as expressed in contemporary film and literature. Works in Hindi-Urdu and in translation will be examined with emphasis on language as an index of cultural difference and of broad social shifts, notably the transformation of audiences from citizens to culture-consumers. Knowledge of Hindi-Urdu is not required. However, there will be a section for students with intermediate proficiency utilizing language materials.

Note: Students who enroll in the language section of this course may count it towards a citation in Urdu-Hindi.

Cross-listed Courses

[Music 190r. Topics in World Music: Proseminar]

[Persian 140ar. Advanced Persian](#)

[Religion 1005. World Religions in Boston: Seminar](#)

[Religion 1063. South Asian Religious Aesthetics: Seminar]

[Religion 1600. Introduction to Hinduism]

[Religion 1615. The Bhagavad Gita and Its Commentators - \(New Course\)](#)

[Religion 1631. Hindu Traditions of Devotion](#)

[Religion 1663. A Summation of Hindu Theology: the Vedartha Samgraha of Ramanuja - \(New Course\)](#)

[Religion 1753. Buddhism Against Itself]

[Religion 1802 (formerly Religion 1555). Introduction to Islamic Mysticism: The Sufi Tradition]

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

Primarily for Graduates

[Indian Studies 201a (formerly Indian Studies 201). Materials and Methods of Indian Studies: Proseminar]

Catalog Number: 5406

Michael Witzel and members of the Department

Half course (fall term). Hours to be arranged.

Introduction to the basic tools of Indian Studies. Various approaches are discussed and selected sub-disciplines are discussed by Department members.

Note: Expected to be given in 2009–10. Required for all Sanskrit-track PhD students.

[Indian Studies 201b. Materials and Methods of Indian Studies: Proseminar]

Catalog Number: 1155

Michael Witzel and members of the Department

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10. Required for all Sanskrit-track PhD students.

[Indian Studies 205r. South Asia as Understood by its Regions - \(New Course\)](#)

Catalog Number: 2174

Michael Witzel



Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Topic: Nepal

[Indian Studies 207a. Understanding Indian Ritual]

Catalog Number: 1214

Michael Witzel

Half course (fall term). Th., at 5:30. EXAM GROUP: 18

Investigates the indigenous theory and practice of Indian ritual, from its beginnings in the second millennium BCE (Rgveda) to present time. Stress on the development of the Agnihotra and Homa and Puja rituals, with materials from Vedic, Puranic, Tantric, and Buddhist sources, including their use in Bali, Tibet and Japan, and audio-visual materials. Recent theories of ritual will also be discussed. Sanskrit texts are used in translation, while read in original in the tandem course, Sanskrit 214.

Note: Expected to be given in 2010–11.

[Indian Studies 207b. Understanding Indian Ritual]

Catalog Number: 8416

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Indian Studies 207a.

Note: Expected to be given in 2010–11.

Indian Studies 216r (formerly Indian Studies 216). Readings in Indo-Persian literature

Catalog Number: 2767

Ali S. Asani and assistant

Half course (fall term; repeated spring term). Fall: M., 2–5; Spring: F., 2–4. EXAM GROUP:

Fall: 7, 8, 9; Spring: 7, 8

[Indian Studies 218. Special Topics in Indian Philosophy]

Catalog Number: 9297

Parimal G. Patil

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Indian Studies 219. Introduction to World Mythology - (New Course)

Catalog Number: 0133

Michael Witzel

Half course (spring term). Hours to be arranged.

The course discusses current and past approaches to comparative mythology and explores the new field of historical comparative mythology. Close interdisciplinary attention is given to genetics, linguistics and archaeology, and an outline of the development of mythologies from the late Stone Age until the rise of current world religions is presented.

Cross-listed Courses



[Linguistics 220ar. Advanced Indo-European Literature 162 \(formerly *Comparative Literature 207\). Theory and Methods in Comparative Oral Traditions: Seminar Religion 2030. Thinking About History in South Asia: Seminar \[Religion 2760. Buddhism and Its Critics\]](#)

Graduate Courses of Reading and Research

***Indian Studies 302. Reading and Research**

Catalog Number: 1405

Ali S. Asani 7739, Diana L. Eck 4514, Parimal G. Patil 4478 (on leave 2008-09), and Michael Witzel 1602 (on leave fall term)

Sanskrit

Primarily for Undergraduates

***Sanskrit 91r. Supervised Reading and Research**

Catalog Number: 5497

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading of texts in Sanskrit not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

***Sanskrit 98r. Tutorial — Junior Year**

Catalog Number: 3117

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the Sanskrit Language and Literature option.

***Sanskrit 99. Tutorial - Senior Year**

Catalog Number: 9745

Leonard W. J. van der Kuijp and members of the Department

Full course. Hours to be arranged.

Note: Required of students writing a thesis in the Sanskrit Language and Literature track.

For Undergraduates and Graduates

Sanskrit 101a. Elementary Sanskrit

Catalog Number: 8140

Guy Kendall Leavitt

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Introduction to Classical Sanskrit, the translocal language of intellectual life in South Asia for much of the last two millennia. This course provides the essential grammar and reading proficiency necessary to take up the language's many rich literary traditions: scripture (*Upaniṣad*), epic (*Rāmāyaṇa* and *Mahābbārata*), poetry, Hindu and Buddhist philosophy, etc.



After completing the textbook, we will read a narrative (*Hitopadeśa*) drawn from one of the most popular literary works in the pre-modern world.

Sanskrit 101b. Elementary Sanskrit

Catalog Number: 6892

Guy Kendall Leavitt

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Continuation of Sanskrit 101a.

Sanskrit 102a. Intermediate Sanskrit I

Catalog Number: 4843

Guy Kendall Leavitt

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

A reading course designed to give students the tools necessary for advanced study in Classical Sanskrit. Readings in epic (*itihāsa*) or narrative (*kathā*), poetry (*kāvya*) or systematic thought (*śāstra*) will introduce students to a variety of important genres and their distinctive conventions. A focus upon the Sanskrit tradition's categories of analysis - grammatical, commentarial and prosodic - will enable students to begin to make sense of original Sanskrit texts as generations of the tradition's own readers have.

Sanskrit 102b. Intermediate Sanskrit II

Catalog Number: 4916

Guy Kendall Leavitt

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Sanskrit 102a.

Primarily for Graduates

Sanskrit 200ar. Advanced Poetic Sanskrit

Catalog Number: 3658

Guy Kendall Leavitt

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Selected readings from inscriptions and documents.

Sanskrit 200br (formerly Sanskrit 212br). Advanced Literary Sanskrit

Catalog Number: 3526

Guy Kendall Leavitt

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

[Sanskrit 201ar. Advanced Philosophical Sanskrit]

Catalog Number: 9986

Parimal G. Patil

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Topic to be announced.

Note: Expected to be given in 2009–10.



[Sanskrit 201br. Advanced Philosophical Sanskrit]

Catalog Number: 5965

Parimal G. Patil

Half course (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2009–10.

Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature

Catalog Number: 6123

Michael Witzel

Half course (spring term). Hours to be arranged.

Introduction to Vedic grammar. Selection of texts from the Atharvaveda.

Prerequisite: At least one year of Sanskrit.

[Sanskrit 205ar (formerly Sanskrit 2xxar). Readings from the Rgveda I]

Catalog Number: 1129

Michael Witzel

Half course (fall term). Hours to be arranged.

Readings and discussions of the oldest Indian text.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Sanskrit.

[Sanskrit 205br (formerly Sanskrit 2xxbr). Readings from the Rgveda II]

Catalog Number: 0338

Michael Witzel

Half course (spring term). Hours to be arranged.

Readings and discussions of the oldest Indian text.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Sanskrit.

[Sanskrit 214. Ritual Sutras]

Catalog Number: 6626

Michael Witzel

Half course (fall term). Hours to be arranged.

Reading and discussion of Sutras and Paddhatis.

Note: Expected to be given in 2010–11.

Graduate Courses of Reading and Research

***Sanskrit 301. Reading and Research**

Catalog Number: 2158

Francis X. Clooney (Divinity School) 1785, Diana L. Eck 4514, Anne E. Monius (Divinity School) 4489, Parimal G. Patil 4478 (on leave 2008-09), and Michael Witzel 1602 (on leave fall term)



***Sanskrit 310. Direction of Doctoral Dissertations**

Catalog Number: 4371

Francis X. Clooney (Divinity School) 1785, Diana L. Eck 4514, Anne E. Monius (Divinity School) 4489, Parimal G. Patil 4478 (on leave 2008-09), and Michael Witzel 1602 (on leave fall term)

Pali

For Undergraduates and Graduates

[Pali 101a. Introductory Pali]

Catalog Number: 4129

*Parimal G. Patil and members of the Department
Half course (fall term). Hours to be arranged.*

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: One year of Sanskrit.

[Pali 101b. Introductory Pali]

Catalog Number: 7320

*Parimal G. Patil and members of the Department
Half course (spring term). Hours to be arranged.*

Continuation of Pali 101a.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: One year of Sanskrit.

[Pali 102a. Intermediate Pali]

Catalog Number: 8376

*Parimal G. Patil and members of the Department
Half course (fall term). Hours to be arranged.*

Note: Expected to be given in 2009–10. Given in alternate years.

[*Pali 102b. Intermediate Pali]

Catalog Number: 7748

*Parimal G. Patil and members of the Department
Half course (spring term). Hours to be arranged.*

Continuation of Pali 102a.

Note: Expected to be given in 2009–10. Given in alternate years.

Prerequisite: Pali 102a or equivalent.

[Pali 103r. Readings in Pali]

Catalog Number: 6985

*Parimal G. Patil and members of the Department
Half course (spring term). Hours to be arranged.*

Note: Expected to be given in 2009–10.

Graduate Courses of Reading and Research



Nepali

For Undergraduates and Graduates

Nepali 101a. Introductory Nepali

Catalog Number: 8974

Michael Witzel and assistant

Half course (fall term). Hours to be arranged.

Nepali 101b. Introductory Nepali

Catalog Number: 3039

Michael Witzel and assistant

Half course (spring term). W., F., 4–6; M., 5–6:30. EXAM GROUP: 9

[Nepali 102a. Intermediate Nepali]

Catalog Number: 8921

Michael Witzel

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

[Nepali 102b. Intermediate Nepali]

Catalog Number: 2720

Michael Witzel

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Urdu and Hindi

For Undergraduates and Graduates

Urdu 101. Introductory Urdu-Hindi

Catalog Number: 4078

Ali S. Asani and Naseem A. Hines

Full course (indivisible). Section I: M.-Th., (F.), at 11; Section II: M.-Th., (F.), at 3. EXAM GROUP: 4, 13

An introduction to the lingua franca of the subcontinent in its "Hindustani" form. Students are introduced to both the Perso-Arabic and the Devanagari script systems. Conventional teaching materials are supplemented by popular songs and video clips from Bollywood.

Note: Not open to auditors.

Urdu 102. Intermediate Urdu-Hindi

Catalog Number: 2941

Richard S. Delacy and Naseem A. Hines

Full course (indivisible). T., Th., 8:30-10, plus one additional hour. EXAM GROUP: Fall: 10, 11; Spring: 8, 10, 11

Continuation of Urdu 101. Emphasis on written expression and texts in both Perso-Arabic and



Devanagari script systems. Students are introduced to Urdu/Hindi fables, short stories, and various other genres of literature, including poetry.

Note: Not open to auditors.

Prerequisite: Urdu 101 or equivalent.

Urdu 103a. Advanced Urdu-Hindi

Catalog Number: 0700

Richard S. Delacy

Half course (fall term). M., W., Th., at 4. EXAM GROUP: 9, 18

Continuation of Urdu 102; covers topics in advanced grammar; designed to improve proficiency in speaking, listening, reading, and writing.

Prerequisite: Urdu 102 or equivalent.

Urdu 103b. Advanced Urdu-Hindi

Catalog Number: 4615

Richard S. Delacy

Half course (spring term). M., W., Th., at 4. EXAM GROUP: 9, 18

Continuation of Urdu 103a.

Urdu 104. The Classical Urdu Ghazal and Its Symbolism

Catalog Number: 0927

Ali S. Asani and Naseem A. Hines

Half course (fall term). Tu., 6–8 p.m. EXAM GROUP: 18

A survey of the popular literary genre including selections from poets such as Wali Dakkani, Siraj Aurangabadi, Mir Dard, Haidar Ali Atish, Mirza Ghalib, and others. Special attention to religious and mystical symbolism.

Prerequisite: Urdu 102 or equivalent.

Urdu 105r. Topics in Urdu-Hindi Literature

Catalog Number: 5963

Ali S. Asani and assistants

Half course (fall term; repeated spring term). Tu., 5–7 p.m. EXAM GROUP: 18

A course for students with native or near-native proficiency with readings in a variety of genres from Urdu and/or Hindi literature based on student interest.

Graduate Courses of Reading and Research

***Urdu 300. Reading and Research**

Catalog Number: 2131

Ali S. Asani 7739

Tibetan and Himalayan Studies

Primarily for Undergraduates



Tibetan 91r. Supervised Reading and Research

Catalog Number: 2288

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading of texts in Tibetan not covered by regular courses of instruction.

For Undergraduates and Graduates

Tibetan 101a. Elementary Classical Tibetan

Catalog Number: 4132

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Tibetan 101b. Elementary Classical Tibetan

Catalog Number: 5299

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Prerequisite: Tibetan 101a.

Tibetan 102a. Intermediate Classical Tibetan - (New Course)

Catalog Number: 9088

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An intermediate classical Tibetan course emphasizing reading and translation of various Tibetan texts covering different genres, such as religious history, biography of Tibetan masters and folk literature writings. Please check the course website for the most updated information.

Prerequisite: Tibetan 101a and 101b or equivalent courses.

Tibetan 102b. Intermediate Classical Tibetan - (New Course)

Catalog Number: 8580

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

Continuation of 102a.

Prerequisite: 101a, 101b or equivalent courses.

[Tibetan 103r. Introduction to Pre-Classical Tibetan]

Catalog Number: 7031

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Prerequisite: Tibetan 101a and 101b.

Tibetan 104ar. Elementary Colloquial Tibetan

Catalog Number: 4158

Leonard W. J. van der Kuijp and assistant

Half course (fall term). M., Th., 1–2:30. EXAM GROUP: 6, 7, 15, 16



Tibetan 104br. Elementary Colloquial Tibetan

Catalog Number: 7026

Leonard W. J. van der Kuijp and assistant

Half course (spring term). M., Th., 1–2:30. EXAM GROUP: 6, 7, 15, 16

Continuation of Tibetan 104ar.

[Tibetan 105ar. Intermediate Colloquial Tibetan]

Catalog Number: 1314

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Tibetan 105br. Intermediate Colloquial Tibetan

Catalog Number: 1151

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Hours to be arranged.

Tibetan 106ar. Advanced Colloquial Tibetan

Catalog Number: 7094

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Prerequisite: Tibetan 101 and 102, or equivalent.

Tibetan 106br. Advanced Colloquial Tibetan

Catalog Number: 5352

Leonard W. J. van der Kuijp and assistant

Half course (spring term). Hours to be arranged.

Prerequisite: Tibetan 101 and 102, or equivalent.

Cross-Listed Courses

Primarily for Graduates

[Tibetan 200ar. Classical Poetic Tibetan]

Catalog Number: 7360

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Readings in Tibetan texts on poetic theory based on Indian models, together with illustrations of a number of poetic figures. The main text will be the Tibetan translation of the Kāvyaḍarsa and passages from Tibetan commentaries.

Note: Expected to be given in 2010–11.

Tibetan 202r. Readings in Advanced Philosophical Tibetan

Catalog Number: 7601

Leonard W. J. van der Kuijp

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8



Focuses on the analyses of conceptual knowledge in early Tibetan philosophical texts (1100-1250).

Tibetan 203. Readings in Madhyamaka/Dbu ma - (New Course)

Catalog Number: 2301

Leonard W. J. van der Kuip

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Tibetan 219. Tibetan Religious Literature

Catalog Number: 9500

Janet Gyatso (Divinity School)

Half course (fall term). Hours to be arranged.

A seminar in the reading of primary sources in Tibetan for the study of Tibetan religious history. In fall 2008, the seminar will focus on ritual works and cycles.

Note: Offered jointly with the Divinity School as 3892.

Prerequisite: Reading knowledge of classical Tibetan.

[Tibetan 220. Introduction to the Tibetan Buddhist Schools: The Sakya Tradition]

Catalog Number: 0367

Leonard W. J. van der Kuip

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10. Readings in Tibetan.

[Tibetan 222. Introduction to the Tibetan Calendars and Astrology]

Catalog Number: 4513

Leonard W. J. van der Kuip

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Prerequisite: Reading knowledge of Tibetan required.

[Tibetan 227. History of Tibetology: Seminar]

Catalog Number: 7688

Leonard W. J. van der Kuip

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Tibetan 229. Prophetic Traditions in Indo-Tibetan Buddhism - (New Course)

Catalog Number: 4215

Leonard W. J. van der Kuip

Half course (fall term). F., 1–4. EXAM GROUP: 6, 7, 8

This course will examine various prophecies from a variety of Indian and Tibetan Buddhist texts. Special attention will be given to the Sgra thal gyur.

Graduate Courses of Reading and Research



***Tibetan 300. Reading and Research**

Catalog Number: 0666

Leonard W. J. van der Kuip 1556

***Tibetan 302. Direction of AM Theses**

Catalog Number: 6927

Leonard W. J. van der Kuip 1556

Thai

For Undergraduates and Graduates

[Thai 101a. Introductory Thai I]

Catalog Number: 5395

Parimal G. Patil and assistant

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10. Given in alternate years.

[Thai 101b. Introductory Thai II]

Catalog Number: 6557

Parimal G. Patil and assistant

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10. Given in alternate years.

Thai 102a. Intermediate Thai I

Catalog Number: 8582

Leonard W. J. van der Kuip and assistant

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: 18

A two-term continuation of the study of Thai at the intermediate level. Students build on acquired proficiency at the elementary level (or its equivalent) towards achieving more fluency in reading, speaking, writing, and listening comprehension of standard Thai, as well as in cultural-social skills. Introduces new vocabulary and grammar through communicative tasks and text readings, mainly using the situational-communicative methodology.

Prerequisite: Successful completion of Elementary Thai (or equivalent) is required. Continuing students who did not take Introductory Thai, as well as new students, are encouraged to talk to the instructor prior to registration.

Thai 102b. Intermediate Thai II

Catalog Number: 3751

Parimal G. Patil and assistant

Half course (spring term). Hours to be arranged.

Prerequisite: Thai 102a.

[Thai 103ar. Readings in Thai I]

Catalog Number: 7590

Parimal G. Patil and assistant.



Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

[Thai 103br. Readings in Thai II]

Catalog Number: 7593

Parimal G. Patil and assistant.

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Graduate Courses of Reading and Research

***Thai 300. Reading and Research**

Catalog Number: 5368

Ali S. Asani 7739 and assistant

Slavic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Slavic Languages and Literatures

Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures (*Chair*)

Anna Baranczak, Preceptor in Slavic Languages and Literatures

Stanislaw Baranczak, Alfred Jurzykowski Professor of Polish Language and Literature

Jonathan H. Bolton, Associate Professor of Slavic Languages and Literatures (*Director of Undergraduate Studies*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature

Julie A. Buckler, Professor of Slavic Languages and Literatures

Patricia R. Chaput, Professor of the Practice of Slavic Languages (*Director of the Language Program*)

Natalia Chirkov, Preceptor in Slavic Languages and Literatures

Volodymyr Dibrova, Preceptor in Slavic Languages and Literatures

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology

Vladimir Y. Gitin, Senior Preceptor in Slavic Languages and Literatures

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Nora Hampl, Preceptor in Slavic Languages and Literatures

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures

Joanna Nizynska, Associate Professor of Slavic Languages and Literatures

Natalia Pokrovsky, Preceptor in Slavic Languages and Literatures



Natalia Reed, Preceptor in Slavic Languages and Literatures, Contin Ed/Spec Prog Instructor
 Laura Schlosberg, Lecturer on Slavic Languages and Literatures
 William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of
 Comparative Literature, Harvard College Professor (*Director of Graduate Studies*)
 Aida Vidan, Preceptor in Slavic Languages and Literatures
 Justin Weir, Professor of Slavic Languages and Literatures (*on leave spring term*)
 Curt F. Woolhiser, Preceptor in Slavic Languages and Literatures

Language Courses

For Undergraduates and Graduates

Sectioning Note: Sectioning in multisectioned language courses is determined by attendance in class during the first week and through subsequent adjustments to maintain uniform section size. There is no separate sectioning meeting for language courses. Beginning on the first day of class, sections fill on a first-come basis, so that some sections may close on the first day. Students should attend the section of their choice and must continue to attend throughout the first week (or make special arrangements) to retain their places in sections. Students who miss classes may enter only those sections where space is available. Please note that under-enrolled sections may be canceled or rescheduled. No section times are guaranteed. As a general rule, no auditors are permitted in language courses. If fellowship terms or other circumstances prohibit registration, students must speak with the Director of the Language Program to request permission to audit. Language courses may not be taken Pass/Fail. Some courses permit graduate students to register on a Pass/Fail basis, but only by permission of the instructor. For further information on the Slavic Department, please go to www.slavic.fas.harvard.edu.

Slavic A. Beginning Russian

Catalog Number: 8014

Patricia R. Chaput, Natalia Chirkov, and others

Full course. Section I: M., through W., F., at 9; Section II: M., through W., F., at 1, and speaking practice Spring: Th., at 9, 10, 11 or 1. EXAM GROUP: 2, 11

Introduction to the essentials of the Russian language, designed for students without previous knowledge of Russian. Intensive speaking practice in essential grammar and vocabulary using naturally occurring conversational patterns. Introduction to the speech etiquette of social exchanges. Reading and discussion of stories, biography, and poetry.

Note: See sectioning note above.

Slavic Aab. Beginning Russian (Intensive)

Catalog Number: 4441

Natalia Reed, Natalia Chirkov, and other members of the faculty.

Full course (fall term; repeated spring term). M., through F., at 9, and speaking practice M., W., F., at 10 or 11. EXAM GROUP: 2, 11

Covers the same material as Slavic A but in one term.

Note: See sectioning note above.



[Slavic Acd (formerly Slavic Ac). Grammar and Vocabulary Review for Heritage Speakers]

Catalog Number: 0496

Natalia Reed, Patricia R. Chaput and others

Full course. M., W., F., at 1, and speaking practice Tu., Th., at 10 or 11. EXAM GROUP: 6

For students with Russian family background. The course covers all of the cases of Russian verb conjugation, aspect, and other essential grammar topics. Emphasis on reading, writing, spelling, and word formation.

Note: Expected to be given in 2009–10. See sectioning note above.

Prerequisite: Placement at this level.

Slavic B. Intermediate Russian

Catalog Number: 3262

Natalia Reed, Vladimir Gitin (spring term), and others

Full course. M., W., F., at 9 or 10, and speaking practice Tu., Th., at 9, 10, 11, or 1. EXAM GROUP: 2

Major emphasis on the development of vocabulary and oral expression with continuing work on difficult grammar topics. Vocabulary thematically organized to include such topics as self and family, education, work, human relationships, politics, and national attitudes. Includes practice in the etiquette of common social situations. Vocabulary reinforced through film and the reading of classical and contemporary fiction and history. Computer exercises on selected topics.

Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, Acd, or placement at the intermediate level. Familiarity with fundamentals of Russian grammar, particularly case endings of the noun, pronoun, and adjective. One year's practice in spoken Russian.

Slavic Bab. Intermediate Russian (Intensive)

Catalog Number: 1657

Vladimir Y. Gitin and Natalia Chirkov

Full course (spring term). Meets eight hours per week. M., through F., at 11, and three additional hours of speaking practice M., W., F. at 1. EXAM GROUP: 6

Covers essentially the same material as Slavic B, but in one term. Readings may vary.

Note: See sectioning note above. Class hours may be changed by agreement.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level.

Slavic Bb. Intermediate Russian: Second Term

Catalog Number: 1165

Vladimir Y. Gitin and Natalia Chirkov

Half course (fall term). M., W., F., at 11, and speaking practice M., F., at 1. EXAM GROUP: 4

Covers the content of the second semester of Slavic B.

Note: See sectioning note above. No auditors permitted. May not be taken Pass/Fail.

Prerequisite: Slavic Ba or placement at this intermediate level. One and a half year's practice in spoken Russian.

Slavic Ca. Beginning Czech I

Catalog Number: 2173



Nora Hampl

Half course (fall term). M., W., F., at 10, and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

An introductory course in modern Czech for students with no previous knowledge of the language. Emphasis on the development of oral proficiency as well as on reading and listening comprehension skills. Written work for practice and reinforcement. Reading of simple poetry and prose.

Slavic Cb. Beginning Czech II

Catalog Number: 7117

Nora Hampl

Half course (fall term; repeated spring term). Fall: M., W., F., at 1; and Spring: M., W., F., at 10, and an additional hour for speaking practice to be arranged. EXAM GROUP: Fall: 6; Spring: 3

Continuation of modern Czech grammar and the further development of reading, writing, and oral skills. Reading and discussion of simple literary texts by Hasek, Capek, Havel, and Kundera.

Slavic Cc. Intermediate Czech I

Catalog Number: 6028

Nora Hampl

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Development of vocabulary and oral expression with review of Czech grammar. Readings reflect contemporary trends in Czech literature and historical and political developments. Topics include cultural perceptions of the self, family, society, and ethical and political attitudes.

Prerequisite: Slavic Ca and Cb or placement at this level.

Slavic Cd. Intermediate Czech II

Catalog Number: 7411

Nora Hampl

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Continue to develop vocabulary and oral expression with discourse strategies. Film clips and other multimedia introduce students to contemporary trends in Czech culture, while readings focus on historical and political developments. Topics include cultural perceptions of the self, family, society, and ethical and political attitudes.

Prerequisite: Slavic Ca, Cb, Cc, or placement at this level.

***Slavic Cr. Supervised Readings in Intermediate/Advanced Czech**

Catalog Number: 0847

Nora Hampl

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 15
Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial.

Note: Department application required. No applications accepted after the fifth day of classes. Interested students should submit on-line applications to staff assistant Stuart Butcher, preferably by the second day of classes. Applications may be found on the department website under Resources.



Slavic Da. Beginning Polish I

Catalog Number: 8158

Anna Baranczak

Half course (fall term). M., W., F., at 9, and 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 speaking practice to be arranged. EXAM GROUP: 2

Continuation of Slavic Da. Continued work on Polish grammar with increasing emphasis on reading. Continued oral work and writing for practice and reinforcement.

***Slavic Dr. Supervised Readings in Intermediate/Advanced Polish**

Catalog Number: 1096

Anna Baranczak

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial.

Note: Department application required. No applications accepted after the fifth day of classes.

Interested students should submit on-line applications to staff assistant Stuart Butcher, preferably by the second day of classes. Applications may be found on the department website under Resources.

Slavic Ea. Beginning Bosnian, Croatian, and Serbian I

Catalog Number: 3163

Aida Vidan

Half course (fall term). M., W., F., at 9, and speaking practice to be arranged. EXAM GROUP: 2
An introductory course for students with no prior knowledge of these languages. Fundamentals of grammar; work on listening and reading comprehension. Students will choose Bosnian, Croatian, or Serbian for their oral and written work; listening and reading comprehension will include both variants.

Slavic Eb. Beginning Bosnian, Croatian, and Serbian II

Catalog Number: 2683

Aida Vidan

Half course (spring term). M., F., at 12; Th. at 9, and speaking practice to be arranged. EXAM GROUP: 5, 11

Continuation of Slavic Ea. Continued work on vocabulary expansion with further development of written and oral skills. Readings and discussion of simple or adapted poetry and prose.

***Slavic Er. Supervised Readings in Intermediate/Advanced Bosnian, Croatian, and Serbian**

Catalog Number: 7413



Aida Vidan

Half course (fall term; repeated spring term). Fall: Tu., Th., at 11; Spring: M., at 10, Th., at 12.

EXAM GROUP: Spring: 3, 14

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial.

Note: Department application required. No applications accepted after the fifth day of classes.

Interested students should submit on-line applications to staff assistant Stuart Butcher, preferably by the second day of classes. Applications may be found on the department website under Resources.

Slavic Ga. Beginning Ukrainian I

Catalog Number: 5536

Volodymyr Dibrova

Half course (fall term). M., W., F., at 9, and speaking practice to be arranged. EXAM GROUP: 2

Introduction to the fundamentals of Ukrainian designed for students with no previous knowledge of the language. Emphasis on oral practice of essential grammar structures in naturally occurring conversational patterns. Reading and discussion of simple prose and/or poetry. Writing for practice and reinforcement.

Slavic Gb. Beginning Ukrainian II

Catalog Number: 7126

Volodymyr Dibrova

Half course (spring term). M., W., F., at 9, and 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

Volodymyr Dibrova

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial.

Note: Department application required. No applications accepted after the fifth day of classes.

Interested students should submit on-line applications to staff assistant Stuart Butcher, preferably by the second day of classes. Applications may be found on the department website under Resources.

Slavic 101. Advanced Intermediate Russian: Reading, Grammar Review, and Conversation

Catalog Number: 7234

Natalia Pokrovsky, Vladimir Y. Gitin, and Curt F. Woolhiser

Half course (fall term). M., W., F., at 11 or 1, and speaking practice Tu., Th., at 10, 11, or 1.

EXAM GROUP: 4

Continuing development of speaking and reading proficiency. Vocabulary work emphasizes verbs and verb government as essential to effective communication. Work on word formation to increase reading vocabulary. Texts for reading and discussion include works in prose, poetry, and film. Readings include a satirical tale by Shvartz, poetry of Akhmatova, and a film (Bykov's



Scarecrow).

Note: See sectioning note above.

Prerequisite: Slavic B, Bab, Bb, or placement at this level.

Slavic 102. Advanced Russian: Introduction to the Language of History and the Media

Catalog Number: 3280

Curt F. Woolhiser

Half course (fall term). M., W., F., at 2, and an additional hour to be arranged. EXAM GROUP: 7

Introduction to the language of Russian newspapers, journals, and historical writing. Basic vocabulary for such areas as current events, including politics, history, economics, military issues, society, and the environment. Intended for students who desire a professional level of reading proficiency in the social sciences. Supplementary work on oral comprehension.

Note: See sectioning note above. Conducted largely in English.

Prerequisite: Slavic 101 or permission of instructor.

Slavic 103. Advanced Russian: Reading, Composition, and Conversation

Catalog Number: 8638

Natalia Pokrovsky (fall term), Vladimir Y. Gitin (fall term), Curt F. Woolhiser (spring term), and Natalia Reed (spring term)

Half course (fall term; repeated spring term). Fall: M., W., F., at 9, and speaking practice Tu., Th., at 1. Spring: M., W., F., at 1, and speaking practice Tu., Th., at 1 or 2, or W., F., at 11.

EXAM GROUP: Fall: 2; Spring: 6

Continuing work on vocabulary and grammar centering on verbs and verb government. Readings include works by Chekhov and Dostoevsky, poetry, and film.

Note: See sectioning note above. Strongly recommended for students who plan to continue in Russian.

Prerequisite: Slavic 101 or placement at the 103 level.

Slavic 104. Advanced Russian: Topics in Russian Culture

Catalog Number: 0795

Natalia Pokrovsky

Half course (spring term). M., W., F., at 10; M., at 11. EXAM GROUP: 3

Through readings and film, we explore Russian cultural attitudes, including the individual in society, gender roles, prestige and success, truth and falsehood, and justice and the law.

Emphasis on vocabulary building and fluency through speaking practice and written compositions. Topics to take student interests into account.

Prerequisite: Slavic 103, 113, or permission of instructor.

[Slavic 105. Advanced Russian through Film]

Catalog Number: 2035

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

In close study of four Russian films of the 1980s and 1990s, this course explores topics in Russian culture through images and the language of personal interactions among characters. Continuing work on vocabulary building and fluency through speaking practice and written



compositions.

Note: Expected to be given in 2009–10. See sectioning note above.

Prerequisite: Slavic 103 or permission of the instructor.

Slavic 109. Theater Workshop

Catalog Number: 1221

Natalia Chirkov

Half course (fall term). Tu., Th., 2–4. EXAM GROUP: 16, 17

Intensive work on pronunciation, intonation, syntax, and vocabulary of spoken Russian using short plays of the 19th and 20th centuries as a vehicle for practice. Students prepare readings of plays and may stage one short piece. Written work to reinforce vocabulary and composition skills.

Note: See sectioning note above.

Prerequisite: Slavic 101 or permission of instructor.

***Slavic 111. Advanced Russian: Readings in Russian/Post-Soviet Studies**

Catalog Number: 1594

Curt F. Woolhiser

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Reading and discussion of topics in the areas of history, economics, politics, and current events. Continued work on grammar and vocabulary with written exercises and compositions. TV viewing for comprehension development.

Note: See sectioning note above.

Prerequisite: Slavic 101 and 102, Slavic 103, or placement at the level of Slavic 111/113.

***Slavic 112. Advanced Russian: Russian Press and Television**

Catalog Number: 3290

Natalia Pokrovsky

Half course (spring term). M., W., F., at 1, with an additional hour of TV viewing to be arranged. EXAM GROUP: 6

For students who already have experience reading Russian periodicals. Readings in and analysis of current topics and their presentation in the Russian press. Examination of the history of selected periodicals. Viewing of Russian news programs and analysis of language and content. Class conducted largely in Russian.

Note: See sectioning note above.

Prerequisite: Slavic 102 and an additional course at the level of Slavic 101 or above, or Slavic 111 with permission of the instructor.

Slavic 113. Advanced Russian: Readings in Russian Literature I

Catalog Number: 0955

Natalia Pokrovsky

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Reading and discussion of classic and contemporary Russian literature. Continued work on vocabulary expansion and composition. Written exercises for reinforcement. Readings from authors such as Gogol, Chekhov, Bulgakov, Pasternak, Brodsky, and Bitov.



Note: See sectioning note above.

Prerequisite: Slavic 103, 104, 105, or placement at this level or above.

[Slavic 116. Stylistics]

Catalog Number: 3480

Vladimir Y. Gitin

Half course (spring term). Hours to be arranged.

Examines different styles, identifies features in texts of different kinds, and interprets passages in literary texts used for stylistic effect. Writing exercises will focus on neutral style, vocabulary development, and phrasing. Intended for students who need a practical command of style and register in reading, speaking, and writing.

Note: Expected to be given in 2009–10.

Prerequisite: Slavic 121.

***Slavic 119. Contemporary Issues: Nationalities of the Former Soviet Union**

Catalog Number: 0636

Curt F. Woolhiser

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

The former Soviet Union as a multinational state, seen in its historical development and in the light of recent events. Questions of national identity and their political and academic consequences. Introduction to related demographic issues. Reading, discussion, composition, and supplementary written work, as needed.

Note: See sectioning note above.

Prerequisite: Slavic 104, 111, 112, 117, or permission of the instructor.

***Slavic 120r. Supervised Readings in Advanced Russian**

Catalog Number: 7121

Patricia R. Chaput (spring term) and Curt F. Woolhiser (fall term)

Half course (fall term; repeated spring term). Hours to be arranged.

Intended for students who have already taken other department offerings. Reading, discussion, and writing on special topics not addressed in other courses. Conducted as a tutorial. Requires a course proposal to apply; acceptance is not automatic. Applications may be found on the department website under Resources.

Note: See sectioning note above. No applications accepted after the third day of classes.

Slavic 121. Advanced Russian: Reading Literary Texts

Catalog Number: 4812

Vladimir Y. Gitin

Half course (fall term). Hours to be arranged.

A course designed to further develop students' sensitivity to the reading of literary texts. Topics include the nature of lexical meaning including meaning associations, syntactic meaning, aspects of morphology, word order and intonation, and colloquial language. Texts include both prose and poetry.

Note: Primarily for graduate students in the Slavic Department.

Prerequisite: Slavic 103 or placement at this level or above.



Slavic Literature, Culture, and Philology

Primarily for Undergraduates

***Slavic 91r. Supervised Reading and Research**

Catalog Number: 2713

Jonathan Bolton and others

Half course (fall term; repeated spring term). Hours to be arranged.

Note: A graded course. Permission must be obtained from the Director of Undergraduate Studies and the instructor under whom the student wishes to study.

***Slavic 97. Tutorial — Sophomore Year**

Catalog Number: 7595

Jonathan H. Bolton

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An interdisciplinary introduction to major authors and themes of Slavic history and literature, focusing on relationships between literature, power, ideology, and myth. Theories of literary interpretation (including Russian Formalism and semiotics) as well as different approaches to placing literature in its social and political contexts to be considered. Readings introduce students to major figures in the Slavic literary traditions, including Pushkin, Gogol, Dostoevsky, Tolstoy, Chekhov, Solzhenitsyn, Nabokov, Kundera, and Konwicki.

Note: For concentrators in Slavic Literatures and Cultures.

***Slavic 98. Tutorial—Junior Year**

Catalog Number: 1684

John Malmstad (fall term) and Svetlana Boym (spring term)

Full course. Fall: W., 3–5; Spring: Th., 2–4. EXAM GROUP: Fall: 8; Spring: 16, 17

In the first term, junior tutorial introduces students to classic works of Russian literature, which are read in the original. The second term is devoted to a single topic and provides concentrators with a more intensive reading experience (for example, reading *Crime and Punishment* or another novel in Russian). Specific authors and texts change from year to year; students who wish to concentrate on a different Slavic language may arrange a separate tutorial.

Note: Required of junior concentrators in Slavic Literatures and Cultures. Other students may enroll for one or both terms.

***Slavic 99a (formerly *Slavic 99r). Tutorial--Senior Year**

Catalog Number: 9278

Jonathan H. Bolton

Half course (fall term; repeated spring term). Hours to be arranged.

For senior concentrators in Slavic Literature and Culture. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies.

Note: Required for senior concentrators in Slavic Literature and Culture. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies. Honors students must also complete Slavic 99b.



***Slavic 99b (formerly *Slavic 99r). Tutorial — Senior Year**

Catalog Number: 5592

Jonathan H. Bolton and others

Half course (spring term). Hours to be arranged.

Students work with a faculty adviser on a senior thesis.

Note: For senior concentrators in Slavic Literature and Culture. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies.

Prerequisite: Slavic 99a.

Cross-listed Courses

[Foreign Cultures 72. Russian Culture from Revolution to Perestroika]

Foreign Cultures 92. From the Prague Spring to the Velvet Revolution: Czech Culture under Communism

***Freshman Seminar 30l. George Balanchine: Russian-American Master**

***Freshman Seminar 34e. Fear Itself**

Freshman Seminar 37p. Reading Tolstoy's *War and Peace

***Freshman Seminar 38l. Literary Theory - (New Course)**

***Freshman Seminar 42x. Leisure, Play, and Idleness in Russian Literature - (New Course)**

***History 72f (formerly *History 1529). East European Identities: Russia and Ukraine**

***History 82f. The Origins of the Cold War: The Yalta Conference (1945) - (New Course)**

[Literature and Arts A-45. Theories of Authorship: Russian Case Studies]

[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus']

Literature and Arts C-30. How and What Russia Learned to Read: The Rise of Russian Literary Culture

Literature and Arts C-50. Russian Imperial Masterworks and Their Post-Histories

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde]

For Undergraduates and Graduates

[Slavic 125. Modern Russian in Historical Perspective]

Catalog Number: 5646

Half course (fall term). Hours to be arranged.

Analysis of apparent exceptions and oddities in the phonology, morphology, and syntax of contemporary Russian through the prism of historical changes and developments.

Note: Expected to be given in 2009–10.

Prerequisite: Slavic B, Bab, or placement at the third-year level.

Slavic 126a. Structure of Modern Russian: Phonology and Morphology

Catalog Number: 3083

Michael S. Flier

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Introduction to Russian phonetics, phonemics, morphophonemics, and inflectional and derivational morphology. Course goal is to give a deeper understanding and appreciation of the



regularities and complexities of Russian through a close study of its sounds and words.

Prerequisite: Slavic B, Bab or placement at the third-year level. No knowledge of linguistics required.

[Slavic 137. Prague Between Two Empires: Czech Culture from 1914 to 1948]

Catalog Number: 9805

Jonathan H. Bolton

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Introduction to the interplay of modernism and nationalism in Czech culture (literature, journalism, film, art, architecture), focusing on the interwar renaissance and Nazi occupation from 1939 to 1945. Examines how writers negotiated between the demands of aesthetics and politics, articulating a Czechoslovak identity while participating in the main currents of European modernism, from dadaism and expressionism through surrealism and existentialism. Readings include Kafka, Milena Jesenska, Hasek, Capek, Olbracht, Seifert, Nezval, Jiri Langer, and others.

Note: Expected to be given in 2009–10. All readings in English. No prior knowledge of Czech literature or history necessary. Students who wish to read Czech texts in the original may arrange a special section with the instructor.

Slavic 140. 18th-Century Russian Literature: Conference Course

Catalog Number: 6495

Julie A. Buckler

Half course (spring term). Tu., 12–2. EXAM GROUP: 14, 15

Major literary authors, movements, and genres (poetry, narrative prose, letters and autobiography, drama), and European influences; cultural practices within courtly, private, and public spheres; pastoral, erotic, and utopian themes; imperial history; architecture and visual arts.

Prerequisite: Good reading knowledge of Russian.

[Slavic 145b. Russian Literature and Revolution]

Catalog Number: 6663

Justin Weir

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the 20th-century Russian literary tradition and its attempts alternately to inspire, record, and undermine the great social upheaval of October 1917. Considers a broad range of modernist literary genres and movements and the official aesthetics of socialist realism. Works by Babel, Bely, Blok, Bulgakov, Gorky, Kataev, Kharms, Mandelshtam, Mayakovsky, Nabokov, Olesha, Pasternak, Platonov, and Solzhenitsyn.

Note: Expected to be given in 2009–10. All readings in English. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

[Slavic 150. One Writer]

Catalog Number: 7644

John E. Malmstad

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Topic for 2006–07: The Short Prose Fiction of Nikolai Gogol. Primary emphasis on close reading with some attention to the development of the critical legacy.



Note: Expected to be given in 2009–10. Readings in Russian, discussion in English.

Prerequisite: Slavic 101 or its equivalent, and above.

Slavic 151. Experiments in Reading: Chekhov and Nabokov - (New Course)

Catalog Number: 2505

Svetlana Boym

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The course is dedicated to the literary close reading of Chekhov and Nabokov with special attention to narrative experimentation as well as to the cultural and historical contexts. The main reading is Nabokov's *Drugie berega/Speak Memory*, a text that combines fiction and autobiography, literature and criticism, English and Russian.

Note: Readings in Russian (with English double-texts).

Prerequisite: Reading knowledge of Russian.

Slavic 152. Pushkin

Catalog Number: 8023

William Mills Todd III

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A survey of the lyrics, narrative poems, fiction, and critical prose of Russia's "national poet." Close reading of the texts; attention to contemporary cultural issues. Lecture and discussion.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

Prerequisite: Good reading knowledge of Russian.

Slavic 153. Short Russian Prose

Catalog Number: 1743

John E. Malmstad

Half course (fall term). W., 3–5. EXAM GROUP: 8

Readings in Russian short forms from Gogol to Nabokov. Primary emphasis on close reading.

Note: Readings in Russian, discussion in English.

Prerequisite: Slavic 101 or its equivalent, and above.

[Slavic 154. Introduction to Russian Poetry]

Catalog Number: 6038

John E. Malmstad

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An introduction to the major genres of Russian verse from the 18th through the 20th centuries.

Primary emphasis on close reading of lyrics.

Note: Expected to be given in 2009–10. Readings in Russian; discussion in English.

[Slavic 155. Dostoevsky]

Catalog Number: 6850 Enrollment: Limited to 20.

William Mills Todd III

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Reading of Dostoevsky's major works, with a view to showing how the problems they contain (social, psychological, political, metaphysical) are inseparable not only from his time but from



the distinctive novelistic form he created.

Note: Expected to be given in 2010–11. No knowledge of Russian required.

[Slavic 159. Approaches to Tolstoy]

Catalog Number: 4018

Justin Weir

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Tolstoy and his major fiction from diverse cultural and theoretical perspectives. To what extent do the texts themselves seem to invite such approaches?

Note: Expected to be given in 2009–10.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 162r. Polish Literature from 1945 to 1989]

Catalog Number: 8395

Anna Baranczak

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Introduction to Polish post-war literature. Close reading in the original of selected works from the Nazi-deathcamp stories of Borowski, literature written in exile (Gombrowicz, Wat), plays by Mrozek to poetry of Bialoszewski, Herbert, Milosz, Szymborska, “Generation 68,” and documents from the Office of Censorship. Focus on writer’s responses to literary tradition, literary and political institutions (official and underground), and sociopolitical reality.

Introduction to films by Wajda based on Polish literature and history after the war.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Polish.

[Slavic 165. Survey of 19th-Century Ukrainian Literature]

Catalog Number: 0410

George G. Grabowicz

Half course (fall term). M., 1-3, and a third hour for those who wish to consider the texts in the original language. EXAM GROUP: 6, 7

An introduction to Ukrainian literary and intellectual culture, from pre-Romanticism to Modernism. Readings from Kotljarevs’kyj, Shevchenko, Kulish, Drahomanov, Franko, Lesja Ukrajinka, Kociubyns’kyj, and Stefanyk.

Note: Expected to be given in 2009–10. No knowledge of Ukrainian required.

[Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course]

Catalog Number: 3513

George G. Grabowicz

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

Examines Russian-Ukrainian literary relations from 1798 to 1905, with special focus on canon formation, ethnic, national and imperial identity, and the interrelation of literature, society, and ideology. Topics include Decembrist historicism, Romantic poetics and folklore, Slavophilism and populism, literature as subversion (kotljarevshchyna), the uses of translation, the reception of major writers (Gogol, Shevchenko, and others), and the imperial attempt to suppress “Ukrainophilism.”



Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Russian or Ukrainian.

[Slavic 170. Polish Literature from 1945 to the Present]

Catalog Number: 5555

Joanna Nizynska

Half course (fall term). Th., 11–1. EXAM GROUP: 13, 14

Surveys the literary movements of Communist and post-Communist Poland. Topics include the interplay between literature and ideology, private and public spaces, "Polish complex," and consumerist culture. Readings from Konwicki, Milosz, Herbert, Szymborska, Mrozek, and others.

Note: Expected to be given in 2009–10. All readings in English. Students who wish to work in the original may arrange it with the instructor.

Slavic 174. Romantic Word, Romantic Deed

Catalog Number: 1188

Joanna Nizynska

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

Did Polish Romantic writers compensate for their country's political failures by fashioning new identities? How did the redemptive narratives spun by Mickiewicz and Slowacki shape the national and cultural identity of their readers? This course focuses on Polish Romantic literature and its complex aspirations to historical, political, and aesthetic critique and explores how the literature's national idiosyncrasies reflected (and clashed with) the larger philosophical and aesthetic principles of the Romantic era.

Note: All readings in English. Students who wish to work in the Polish original may arrange a special section with the instructor.

Slavic 176. Between Avant-Garde and Catastrophism: The Interwar Period in Polish Literature - (New Course)

Catalog Number: 9878

Joanna Nizynska

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This survey of the varied manifestations of modernism in independent Poland between the wars also investigates the artistic and ideological tension between the international and the local in the activities (including visual arts) of the First and Second Vanguard, Futurism, Skamander, and other movements. Readings include prose, poetry, drama by Gombrowicz, Schulz, Witkacy, Tuwim, Przybos, and others.

Note: All readings in English.

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 181. Russian Poetry of the 19th Century]

Catalog Number: 3307

John E. Malmstad

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

The major themes and modes of Russian poetry from pre-Romanticism to “pure art.” Selections from Zhukovsky, Batiushkov, Baratynsky, Yazykov, Lermontov, Tiutchev, Nekrasov, Fet, and others.

Note: Expected to be given in 2009–10.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 182. Problems in 20th-Century Poetry: Conference Course]

Catalog Number: 3489

John E. Malmstad

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An examination of the poetry and poetics of three writers—Annensky, Kuzmin, and Khodasevich—whose works raise questions about the validity and usefulness of the ways in which scholarship categorizes early 20th-century poetry in terms of “isms” like Symbolism and Acmeism.

Note: Expected to be given in 2009–10.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

Slavic 186. Poetry after Brodsky: How Russian Is It? - (New Course)

Catalog Number: 9918

Stephanie Sandler

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Studies poetic practice since 1970. Includes Brodsky, Fanailova, Khersonskii, Khvostenko, Kibirov, Krivulin, Mnatsakanova, Petrova, Prigov, Sedakova, Shvarts, and Tsvetkov. Considers issues of translation, emigration, diaspora, audience, and connections to other art forms.

Note: Open to qualified undergraduates with permission of instructor.

Prerequisite: Good reading knowledge of Russian.

Slavic 192. Literature as Institutions: Conference Course

Catalog Number: 6120 Enrollment: Limited to 15.

William Mills Todd III

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

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: Open to advanced undergraduates and graduates. Students must pick up a syllabus in Barker 374 before the term begins, as there will be a brief assignment for the first class meeting.

[Slavic 195. Myths of Central Europe after World War II: Conference Course]

Catalog Number: 4701

Jonathan H. Bolton

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

For Milan Kundera, Central Europe was the kidnapped conscience of the West; for Gyorgy



Konrad it was “a subversive dream,” for Josef Kroutvor a “melancholy grotesque.” Considers major authors (Kundera, Kis, Milosz, Havel, Manea, Albahari) and key motifs and situations (war, Nazi and Soviet occupations, interrogation, censorship, dissidents, “anti-politics”) that have defined a “Central European” literature and identity in Austria, Czechoslovakia, Poland, Hungary, Romania, and Yugoslavia since World War II.

Note: Expected to be given in 2010–11. All readings in English.

[Slavic 196. Literature and Nationalism in Central Europe: Conference Course]

Catalog Number: 1449

Jonathan H. Bolton

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Interdisciplinary, comparative introduction to construction of national identity through literature in 19th-century Central Europe (Czech lands, Poland, Hungary), with comparative study of Germany and Britain. How do authors come to see themselves as “embodying” or “representing” nations - and how do they escape from the shackles of a narrow national interest? Readings include Herder, *Tales of Ossian*, Macha, Neruda, Zeromski, Kafka, as well as Anderson, Gellner, Jameson, Bakhtin, and other theorists.

Note: Expected to be given in 2009–10. All readings in English.

Slavic 197. Rebels With A Cause: Dissident Culture in Central Europe: Conference Course

Catalog Number: 8810

Joanna Nizynska and Jonathan H. Bolton

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Who were the people who brought down the Berlin Wall? From dissident philosophy to dissident fashion, this course examines the ideology, genealogy, semiotics, and cultural background of opposition movements such as Solidarity in Poland, Charter 77 in Czechoslovakia, and others; we discuss “anti-politics,” civil society, collaboration and the “gray zone,” samizdat, women’s perspectives, and other themes. Readings from Havel, Kolakowski, Kundera, Michnik, Milosz, Zagajewski; films by Menzel, Kieslowski and others.

Note: All readings are in English.

Cross-listed Courses

History 1114 (formerly History 1514). Early Modern Eastern Europe (1450-1795)

History 1270. Frontiers of Europe: Ukraine since 1500 - (New Course)

Linguistics 110. Introduction to Linguistics

[Literature 102. On Narrative]

Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course

[Literature 178 (formerly Slavic 178). Trauma: Representation, Theory, Experience: Conference Course]

Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts

Primarily for Graduates



[Slavic 222. 20th-Century Ukrainian Poetry]

Catalog Number: 2638

George G. Grabowicz

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A survey of the major poets and movements: Tychyna, the neo-classicists, Bazhan, the futurists, the Prague group, Antonych, Svidzins'kyj, émigré poetry, the New York group, late Soviet and post-Soviet poetry.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Ukrainian.

[Slavic 223. 19th-Century Ukrainian Poetry]

Catalog Number: 2097

George G. Grabowicz

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A survey of the major poets: Kotljarevs'kyj, Hulak and the pre-Romantics, Shevchenko, Kulish, Rudans'kyj, Franko, and Lesja Ukrajinka.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Ukrainian.

Slavic 224. Pavlo Tychyna and His Age - (New Course)

Catalog Number: 6177

George G. Grabowicz

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The poetry of Pavlo Tychyna, from the pre-*Sonjashni klarnety* period to posthumous rediscovery; his reception; his interaction with major contemporaries (Zerov, Bazhan and others); his impact on other major poets (Barka).

Prerequisite: Reading knowledge of Ukrainian.

[Slavic 269. Structure of Russian for Instructors]

Catalog Number: 7807

Patricia R. Chaput

Half course (spring term). F., 2-4 and an additional hour to be arranged. EXAM GROUP: 7, 8

Survey of the structures and rules of Russian from the viewpoint of the instructor. Linguistic description, translation into pedagogical form, formulation at different levels of study, questions of usage, changing norms. Includes practice in difficult constructions.

Note: Expected to be given in 2009–10.

Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930

Catalog Number: 1058

Svetlana Boym

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines poetry, prose and visual arts together with cultural theory. Explores issues of innovation and cultural memory, art and politics, bilingualism and exile. Works by Mayakovsky, Malevich, Mandelshtam, Tsvetaeva, Babel, Shklovsky, Nabokov, Vertov, and Eisenstein.

Note: Most texts available in English. Open to qualified undergraduates.

Prerequisite: Reading knowledge of Russian.



Slavic 285r. Modern Russian Literature: Seminar

Catalog Number: 5182

John E. Malmstad

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Topic for 2008-09: The culture of Russian avant-garde.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

Slavic 291. Problems in the History of Early Ukrainian Literature

Catalog Number: 0643

George G. Grabowicz

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines Kievan and early Ukrainian literature. Topics include the system of genres of Kievan literature, the Renaissance and interaction with Polish literature, the confraternities, Vyshens'kyj, the Baroque, the Mohyla Academy, Skovoroda.

Prerequisite: Reading knowledge of Ukrainian.

Slavic 292. 20th-Century Ukrainian Prose

Catalog Number: 5733

George G. Grabowicz

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

A survey of Ukrainian prose focusing on the avant-garde of the 1920s-1940s (Khvyl'ovyj, Johansen, Domontovych, Kosach) and the most recent period (Andijevs'ka, Andrukhovych, Izdryk and others).

Prerequisite: Reading knowledge of Ukrainian.

***Slavic 299. Proseminar**

Catalog Number: 7972

Julie A. Buckler

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to graduate study in Slavic. Selected topics in literary analysis, history, and theory.

Note: Open to qualified undergraduates with permission of the instructor.

Cross-listed Courses

[*Comparative Literature 261. Memory and Modernity: Seminar]

Comparative Literature 273. Approaches to Modernity: The Metropolis

[Comparative Literature 275. Theory of Narrative: Conference Course]

Linguistics 250. Old Church Slavonic

Graduate Courses of Reading and Research

***Slavic 300. Direction of Doctoral Dissertations**

Catalog Number: 4477

Jonathan H. Bolton 4892, Svetlana Boym 1926, Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219, Joanna Nizynska



4891, Stephanie Sandler 1343, William Mills Todd III 1634, and Justin Weir 3407 (on leave spring term)

***Slavic 301. Reading and Research**

Catalog Number: 3385

Jonathan H. Bolton 4892, Svetlana Boym 1926, Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219, Joanna Nizynska 4891, Stephanie Sandler 1343, William Mills Todd III 1634, and Justin Weir 3407 (on leave spring term)

[*Slavic 302. Language Teaching: Content and Conduct]

Catalog Number: 5961

Patricia R. Chaput 6222

Half course (fall term). Hours to be arranged.

Required in the first year of language teaching. Includes orientation, discussion of topics in teaching language at the college level, and supervised teaching.

Note: Expected to be given in 2009–10.

Social Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Social Policy

Bruce Western, Professor of Sociology (*Chair*)

Kathryn Edin, Professor of Public Policy and Management (*Kennedy School*)

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor (*on leave spring term*)

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Jeffrey B. Liebman, Malcolm Wiener Professor of Public Policy (*Kennedy School*)

William Julius Wilson, Lewis F. and Linda L. Geyser University Professor

Other Faculty Offering Instruction in Social Policy

Mary C. Brinton, Reischauer Institute Professor of Sociology (*on leave 2008-09*)

Peter A. Hall, Krupp Foundation Professor of European Studies

Torben Iversen, Harold Hitchings Burbank Professor of Political Economy (*on leave 2008-09*)

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies, Senior Adviser to the Dean on Faculty Development and Diversity



Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
 Robert J. Sampson, Henry Ford II Professor of the Social Sciences (*on leave fall term*)
 Theda Skocpol, Victor S. Thomas Professor of Government and Sociology (*on leave fall term*)
 Mary C. Waters, M. E. Zukerman Professor of Sociology
 Martin K. Whyte, Professor of Sociology
 Julie Boatright Wilson, Harry S. Kahn Senior Lecturer on Social Policy (*Kennedy School*)

This program awards two different degrees: the PhD in Government and Social Policy and the PhD in Sociology and Social Policy. Both of these programs are joint degrees that provide students a thorough grounding in one of these two traditional disciplines and then move them into a series of interdisciplinary seminars on social policy based at the Kennedy School of Government. Students submit applications for admission to the Committee on Higher Degrees in Social Policy, which must be accepted as well by the admissions committee of either the Department of Government or the Department of Sociology. From the very beginning of their graduate careers, then, students are taught and supervised by faculty from government, sociology and the Malcolm Wiener Center for Social Policy in the Kennedy School.

This degree is intended for students who have central interests in problems of economic inequality; segregation; poverty; changing family structure; immigration, race, and labor market segmentation; educational inequality; and historical and comparative studies of inequality in the US and abroad (especially Western Europe). It will be of particular interest for students who wish to combine solid training in the fundamental theoretical perspectives and methodological traditions of either government or sociology with advanced study of policy responses to these social problems. Students who would like the flexibility to pursue careers in departments of sociology or government, in schools of public policy, and in policy and other non-profit organizations may find these joint degrees especially suitable.

Students in the joint degree programs are eligible to apply for the Multidisciplinary Program on Inequality and Social Policy at the end of their first year of study. This training and fellowship program provides for summer institutes, research apprenticeships, and a variety of other opportunities. Please see the website www.ksg.harvard.edu/inequality for more details.

Applications for admission to the PhD programs in Social Policy may be obtained from the Graduate School of Arts and Sciences, Admissions Office, Byerly Hall, 2nd Floor, 8 Garden Street, Cambridge, MA 02138. Further information about the joint degree programs may be obtained from the program website (www.hks.harvard.edu). Questions or requests for additional printed materials should be directed to Pamela Metz, Director, via e-mail (socialpolicy@harvard.edu) or correspondence addressed to her attention at the Kennedy School of Government, 79 John F. Kennedy Street, Cambridge, MA 02138.

Graduate Courses of Reading and Research

***Social Policy 300. Reading and Research**

Catalog Number: 6290

Members of the Committee



***Social Policy 301. Research and Social Policy Seminar**

Catalog Number: 3704

Bruce Western 5763

Half course (fall term; repeated spring term). Fall: Tu., 12–1:30.

Presentation of dissertation prospectus or chapters-in-progress in a seminar/workshop format.

Required of doctoral candidates in Social Policy.

***Social Policy 302. Doctoral Dissertation Research**

Catalog Number: 9707

Members of the Committee

Cross-listed Courses

[*Government 2340a \(formerly *Government 2340\). Social Policy I](#)

[*Sociology 307. Proseminar on Inequality and Social Policy III](#)

Social Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Social Studies

Richard Tuck, Frank G. Thomson Professor of Government (*Chair*)

David R. Armitage, Lloyd C. Blankfein Professor of History

Eric Beerbohm, Assistant Professor of Government and of Social Studies

Anya Bernstein, Senior Lecturer on Social Studies (*Director of Studies*)

Richard N. Cooper, Maurits C. Boas Professor of International Economics

Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies

Michael Frazer, Assistant Professor of Government and of Social Studies

Peter E. Gordon, Professor of History (*on leave fall term*)

Peter A. Hall, Krupp Foundation Professor of European Studies

Michael Herzfeld, Professor of Anthropology

Michael J. Hiscox, Clarence Dillon Professor of International Affairs

Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor (*on leave fall term*)

Andrew Jewett, Assistant Professor of History and of Social Studies

James T. Kloppenberg, Charles Warren Professor of American History (*on leave 2008-09*)

Michael R. Kremer, Gates Professor of Developing Societies

Steven R. Levitsky, Professor of Government

Charles S. Maier, Leverett Saltonstall Professor of History



Jens Meierhenrich, Assistant Professor of Government and of Social Studies
Michael E. Rosen, Professor of Government
Nancy Lipton Rosenblum, Senator Joseph S. Clark Professorship of Ethics in Politics and Government
Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government
Matthias Schündeln, Assistant Professor of Economics and of Social Studies
Tommie Shelby, Professor of African and African American Studies and of Philosophy
Ajantha Subramanian, Associate Professor of Anthropology and of Social Studies (*on leave 2008-09*)
Jocelyn Viterna, Assistant Professor of Sociology and of Social Studies
Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)
Daniel F. Ziblatt, Associate Professor of Government and of Social Studies

Other Faculty Offering Instruction in Social Studies

Kiku Adatto, Lecturer on Social Studies
Melanie Adrian, Lecturer on Social Studies
Terry K. Aladjem, Lecturer on Social Studies
Jacqueline Bhabha, Lecturer on Social Studies
Stefan Bird-Pollan, Lecturer on Social Studies
Deborah A. Boucoyannis, Lecturer on Social Studies
Bo-Mi T. Choi, Lecturer on Social Studies
Paulo S. Daflon Barrozo, Lecturer on Social Studies
Noah I. Dauber, Lecturer on Social Studies
Nara Dillon, Lecturer on Social Studies
Robert Fannion, Lecturer on Social Studies
Marshall L. Ganz, Lecturer on Social Studies
Jonathan M. Hansen, Lecturer on Social Studies
Daniel Hopkins, Lecturer on Social Studies
Patti T. Lenard, Lecturer on Social Studies
Theodore Macdonald, Lecturer on Social Studies
Stephen A. Marglin, Walter S. Barker Professor of Economics
Stephen P. Marks, Francois-Xavier Bagnoud Professor of Health and Human Rights (*Public Health*)
Robert H. Neugeboren, Lecturer on Social Studies
Nicole D. Newendorp, Lecturer on Social Studies
Thomas Ponniah, Lecturer on Social Studies
Nikolas Prevelakis, Lecturer on Social Studies

Primarily for Undergraduates

[*Social Studies 10a. Introduction to Social Studies](#)

Catalog Number: 5278

Richard Tuck, Michael Frazer and Staff

Half course (fall term). Tu., 2-4, and a weekly section to be arranged. EXAM GROUP: 16, 17

This course offers an introduction to the classic texts of social theory of the eighteenth and



nineteenth centuries. Our focus will be on the rise of democratic, capitalist societies and the concomitant development of modern moral, political, and economic ideas. Authors we will examine include Jean-Jacques Rousseau, Adam Smith, Alexis de Tocqueville, John Stuart Mill, and Karl Marx.

Note: This course is limited to sophomores and Social Studies concentrators. This course is a prerequisite for sophomores applying to Social Studies. Students planning to take this class must attend the first lecture to be admitted.

***Social Studies 10b. Introduction to Social Studies**

Catalog Number: 5097

Richard Tuck, Michael Frazer and Staff

Half course (spring term). Tu., 2-4, and a weekly tutorial to be arranged.

This class continues the introduction to the classic texts of social theory begun in Social Studies 10a through the twentieth century. Authors include Friedrich Nietzsche, Max Weber, Emile Durkheim, Sigmund Freud, and Michel Foucault.

Note: This course is limited to Social Studies concentrators who have taken Social Studies 10a.

Social Studies 40. Philosophy and Methods of Social Science - (New Course)

Catalog Number: 0476

Eric Beerbohm and Andrew Lakoff (University of California, San Diego)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

This course integrates research methods with an investigation of the philosophical foundations of the social sciences. Topics covered include causal explanation, interpretation, rational choice and irrationality, relativism, collective action, and social choice.

Social Studies 50. Genocide - (New Course)

Catalog Number: 3653

Jens Meierhenrich

Half course (fall term). Th., 2-4.

This lecture course examines the theory and history of genocide. It compares and contrasts the dynamics of genocide from Sparta to Darfur, with particular reference to the Ottoman Empire, Germany, Cambodia, the former Yugoslavia, Rwanda, and Sudan. The course sheds light on the origins of "final solutions" and their disastrous effects as well as the problem of prevention.

Insights are drawn from a variety of disciplines, including law, political science, sociology, psychology, and history.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World and the Core area requirement for Historical Study A.

Social Studies 52. Human Rights: Law, Politics, and Society - (New Course)

Catalog Number: 6563

Stephen P. Marks (Public Health)

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This thematic course provides a systematic introduction to the theory and practice of human rights, beginning with the historical and theoretical context and then examining conflicts in culture, the international institutional system and political economy, enforcement of human rights, and human rights' responses to large-scale oppression and political violence.



Social Studies 53. Modern War: The War in Iraq: A Case Study - (New Course)

Catalog Number: 9268

Stanley Hoffmann and J. Bryan Hehir (Kennedy School)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The course will look at the causes, conduct and effects of the war in Iraq and will put it in geographical and historical perspective.

***Social Studies 91r. Supervised Reading and Research**

Catalog Number: 9855

Anya Bernstein and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in Social Studies on a topic not covered by regular courses of instruction. Permission of the Director of Studies required.

***Social Studies 99. Tutorial — Senior Year**

Catalog Number: 7501

Anya Bernstein

Full course. Hours to be arranged.

Writing of senior honors essay.

Note: Required for concentrators.

Social Studies 98 — Junior Tutorials: Fall Term

Note: Admission is based on student preferences and a lottery system. Undergraduate non-concentrators may enroll in these tutorials if space is available.

***Social Studies 98ax. Modernization and Development: A Critical Perspective**

Catalog Number: 0752 Enrollment: Limited to 10.

Stephen A. Marglin

Half course (fall term). Hours to be arranged.

What assumptions about human beings underlie the conviction that development and modernization constitute progress, that the developed West points the way for the rest of the world? Does economic growth involve a package that necessarily changes the society, the polity, and the culture along with the economy? This tutorial provides a framework for thinking about these questions, both in the context of the west, and in the context of the Third World.

Note: This course will be lotteried.

***Social Studies 98ei. The Problem of Race in Society and History**

Catalog Number: 9551 Enrollment: Limited to 10.

Kimberly McClain DaCosta

Half course (fall term). Th., 2–4.

"Race is not always the only or most important factor, but race is always a factor" (Richard Dyer). The course examines this claim through a study of race in society and culture in the US. We will focus on the dominant black-white paradigm of racialization. The positioning of other racialized groups within this paradigm will also be explored. The relationships between race, class and gender in the US and the connections within diasporic whiteness and blackness will be



studied. The course will be interdisciplinary in its approach to the study of race to enable us to understand the process of racialization in its manifold and complicated dimensions.

Note: This course will be lotteried.

***Social Studies 98eo. Culture and Society**

Catalog Number: 2114 Enrollment: Limited to 10.

Kiku Adatto

Half course (fall term). M., 2–4.

The course explores various approaches to the study of culture, drawing on studies in anthropology, history, philosophy, sociology, literature and photography. Among the questions addressed are: How is historical memory constructed, and what are the competing forces that shape it? How do advertisements, photography, and film document cultural change? How is culture tied to power, domination, and resistance?

Note: This course will be lotteried.

***Social Studies 98fu. Practicing Democracy: Leadership, Community, Power**

Catalog Number: 7432 Enrollment: Limited to 10.

Marshall L. Ganz

Half course (fall term). Tu., 7–9 p.m.

Making democracy work requires an “organized” citizenry with power to assert its interests effectively. Yet US political participation declines, growing more unequal, as new democracies struggle to make citizen participation possible. Students learn to address public problems by organizing: developing leadership, building community and mobilizing power. Our pedagogy links sociological, political science, and social psychology theory with democratic practice.

Note: Ten hours per week of field work required. This course will be lotteried.

***Social Studies 98gh. Economic Development in Africa**

Catalog Number: 4564 Enrollment: Limited to 10.

Matthias Schündeln

Half course (fall term). Th., 2–4.

In this course we study topics related to the process of economic development in Africa, focusing on Sub-Saharan Africa. We start with a broad economic history and discuss stylized facts about economic development in Africa. Using specific case studies, we then analyze selected current economic structures, institutions and policy challenges. Topics include poverty and inequality, health, migration, financial markets, agricultural and industrial sector development, and development policy.

Note: This course will be lotteried.

***Social Studies 98hp. Is Democracy Possible Everywhere?**

Catalog Number: 2183 Enrollment: Limited to 10.

Daniel F. Ziblatt

Half course (fall term). Hours to be arranged.

Debates today rage about whether democracy is really possible in places like China or the Middle East. This tutorial asks whether there are, in fact, any preconditions for or impediments to the establishment and consolidation of democracy. Among the factors we will consider: mass



culture, elite norms, religion, economic development, ethnic pluralism, and associational life.

Note: This course will be lotteried.

***Social Studies 98if. Nationalism & Religion**

Catalog Number: 9698 Enrollment: Limited to 10.

Nikolas Prevelakis

Half course (fall term). Hours to be arranged.

Examines the relationship between nationalism and capitalism, nationalism and religion, nationalism and literature, as well as issues of national and ethnic conflict. Specific emphasis is given to the difference between types of nationalism, as well as to the importance of national intellectuals. Theoretical literature is tested against empirical evidence from the history of Europe, the US, Japan, the Balkans, and Latin America.

Note: This course will be lotteried.

***Social Studies 98in. Markets**

Catalog Number: 7657 Enrollment: Limited to 10.

Robert Fannion

Half course (fall term). W., 2–4.

The market is the social institution that defines the modern world. We live, work, learn, and play embedded in market relationships, but we have only a weak grasp of how they operate and the ways in which they affect our lives. Course will be theoretical work in sociology, political science, economics, and anthropology. What other institutions must exist for markets to function? How do markets create and distribute political power? How do markets shape our identity and values?

Note: This course will be lotteried.

***Social Studies 98iz (Critics of Enlightenment). Critics of Modernity: Marx, Freud, and the Frankfurt School**

Catalog Number: 3515 Enrollment: Limited to 10.

Bo-Mi T. Choi

Half course (fall term). W., 2–5.

This tutorial traces the vicissitudes of Marx and Freud in the works of the Frankfurt School. Its aim is to deepen students' knowledge of the historical continuities and discontinuities of concepts and debates on psyche, labor, and art from the perspective of critical theory. Particular emphasis is placed on critiques of modernity and mass culture and society by Horkheimer, Adorno, and Benjamin.

Note: This course will be lotteried.

***Social Studies 98ja. Children, Families, and the State**

Catalog Number: 6104 Enrollment: Limited to 10.

Anya Bernstein

Half course (fall term). W., 1:30–3:30.

This course explores the special status of children and families in American society and politics. We consider social protections for children and families and examine the role of the state in marriage, parenting, and the education of children and adolescents. Topics include child abuse and neglect, divorce and single parenthood, social class and parenting styles, and the relationship



between families and schools.

Note: This course will be lotteried.

***Social Studies 98jn. International Human Rights: The Challenge of Protecting Vulnerable Populations**

Catalog Number: 9219 Enrollment: Limited to 10.

Jacqueline Bhabha

Half course (fall term). Tu., 11–1.

Since World War II, human rights have moved from the margins of international law and politics to the center. This tutorial will introduce students to some of the main human rights instruments and institutions, both international and regional. It will use this legal framework to ask and explore what rights are protected, which vulnerable populations have special claims to protection, and what legal and practical instruments are available to them. It will explore the strengths and weaknesses of different intervention strategies.

Note: This course will be lotteried.

***Social Studies 98jw. Citizenship Rights: Theory and Practice**

Catalog Number: 5378 Enrollment: Limited to 10.

Theodore Macdonald

Half course (fall term). Hours to be arranged.

The Cold War's demise brought to the fore new rights claims by groups—e.g. participation, recognition, and equity. Focusing on major theories and debates on multiculturalism, recognition, redistribution, liberalism, group rights, and self-determination, the tutorial explores the illusive and controversial "what" and the "why" of the claims. Then, asking the "how," demands are explored as international human rights, contextualized in case studies that locate claims within local politics, contested histories, and globalization.

Note: This course will be lotteried.

***Social Studies 98kb. Gender in Developing Nations - (New Course)**

Catalog Number: 2276 Enrollment: Limited to 10.

Jocelyn Viterna

Half course (fall term). W., 4–6.

This course examines gender relations in Africa, Asia, the Middle East, and Latin America from a sociological perspective. For each region, we first document how gender structures daily life for men and women, and we then use gender theory to explore the economic, political, and cultural explanations for these patterned differences. We will pay particular attention to questions of violence, politics, and development.

Note: This course will be lotteried.

***Social Studies 98kc. The Contemporary American City - (New Course)**

Catalog Number: 9413 Enrollment: Limited to 10.

Daniel Hopkins

Half course (fall term). W., 2–4.

Explores the political, economic, and social challenges facing US cities since roughly 1965. Major topics include deindustrialization and economic transformation, relations between racial and ethnic groups, suburbanization, the changing design and role of cities, and the impact of



globalization on US cities. Special attention to the changing distribution of political and economic power in US metropolitan areas.

Note: This course will be lotteried.

Social Studies 98 — Junior Tutorials: Spring Term

***Social Studies 98cl. Law and Society**

Catalog Number: 7389 Enrollment: Limited to 10.

Terry K. Aladjem

Half course (spring term). Th., 2–4.

Examines law as a defining force in American culture and society in four dimensions—as it establishes individual rights, liberties, and limits of toleration; as it attempts to resolve differences among competing constituencies; as it sets out terms of punishment and social control, and as a source of informing images and ideological consistency.

Note: A prison trip is planned, subject to approval. This course will be lotteried.

***Social Studies 98cv. Authoritarianism and Democracy in Latin America**

Catalog Number: 5595 Enrollment: Limited to 10.

Steven R. Levitsky

Half course (spring term). Tu., 2–4.

Examines regimes and regime change in Latin America, particularly Argentina, Brazil, Chile, Mexico, Peru, Venezuela. Compares modernization, Marxist, cultural, choice-centered, and institutionalist approaches to explaining the military coups of the 1960s/1970s and democratic transitions of the 1980s/1990s.

Note: This course will be lotteried.

***Social Studies 98eb. The Politics of International Trade**

Catalog Number: 5254 Enrollment: Limited to 10.

Michael J. Hiscox

Half course (spring term). Hours to be arranged.

Examines political conflict over international trade. Major issues covered include the relationship between trade and national security, and the effects of trade on different classes and groups within nations. The seminar addresses debates about strategic trade policy and competition between industrial states, the particular difficulties faced by developing economies, regional trade agreements, the role of the WTO, and the use of economic sanctions.

Note: This course will be lotteried.

***Social Studies 98fx. The New Politics of Europe**

Catalog Number: 5447 Enrollment: Limited to 10.

Daniel F. Ziblatt

Half course (spring term). Hours to be arranged.

In the post-Cold War era, Europe's map is being redrawn. The rise to power of new political parties (Green and far-right parties), the onset of fiscal crises, and the deepening and widening of the European Union all have transformed what is meant by the term "Europe." We explore these transformations by focusing on three areas in particular: (1) national party systems change, (2) shifting national models of political economy, and (3) European Union integration and



expansion.

Note: This course will be lotteried.

***Social Studies 98gf. Modernity and Social Change in East Asia**

Catalog Number: 5553 Enrollment: Limited to 10.

Nicole D. Newendorp

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Examines the interconnections between modernity and social change in contemporary China, Japan, and Korea. Explores how modernity is conceptualized by both state and society actors and how these visions fuel change at local and national levels. Particular attention will be paid to issues of social protest, migration, consumption, gender, ethnicity, and family life in both rural and urban locations. Readings focus on ethnographic case studies and the effects of modernity on everyday life experience.

Note: This course will be lotteried.

***Social Studies 98hc. Crimes Against Humanity**

Catalog Number: 0061 Enrollment: Limited to 10.

Jens Meierhenrich

Half course (spring term). Hours to be arranged.

This course provides an introduction to international human rights law. Combining positive and normative perspectives, the course introduces students to the evolution of crimes against humanity, ranging from apartheid to enslavement, and from extermination to rape. The judicial application of these odious crimes, including their adjudication in both municipal and international courts, from the International Military Tribunal at Nuremberg to the Special Court for Sierra Leone, is also discussed.

Note: This course will be lotteried.

***Social Studies 98im. Constructing the American Economy**

Catalog Number: 3829 Enrollment: Limited to 10.

Robert Fannion

Half course (spring term). W., 2:30–4:30.

How did the American economy become the largest and most diverse in the world? Is it true that the US relies more on unregulated markets than other countries? This course will use institutional, Marxist, and rationalist theories to explore how the American economy developed from industrialization to the present. As we examine how political choices shaped the American economy, the course will consider the relationship between capitalism and democracy and how it has been re-negotiated over time.

Note: This course will be lotteried.

***Social Studies 98jd. Modernity: A Course on Contemporary Social Theory**

Catalog Number: 2940 Enrollment: Limited to 10.

Paulo S. Daflon Barrozo

Half course (spring term). Th., 4–6.

Examines contemporary theories of the modern society. Starts with a series of philosophical questions about the self, evolution, history, the idea of modernity, and culture before focusing on



some of the most rigorous, influential, and fertile works in contemporary social theory.

Note: This course will be lotteried.

***Social Studies 98ka. Economic Aspects of Globalization - (New Course)**

Catalog Number: 3664 Enrollment: Limited to 10.

Matthias Schündeln

Half course (spring term). M., 3–5.

Covers economic aspects of the internationalization of flows of goods, labor, and investments. The focus will be on empirical analyses of the causes, the extent, and the consequences of these flows. The goal is to introduce students to some of the important economic questions related to globalization and to provide them with tools and methods that will enable them to start doing their own research in this field of study.

Note: This course will be lotteried.

***Social Studies 98kf. Consumerism in Comparative Perspective - (New Course)**

Catalog Number: 0828 Enrollment: Limited to 10.

Kimberly McClain DaCosta

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Contemporary societies are often characterized as places where the process of accumulating and consuming material good plays an outsized role in shaping individuals and cultures. This course looks at consumerism in comparative perspective, particularly its role in shaping racial, class and international boundaries. It also explores the ethical, environmental and social justice implications of consumerism. Readings include case studies on the US, China, India, and Africa.

Note: This course will be lotteried.

***Social Studies 98kg. The Politics of Health and Welfare in the Developing World - (New Course)**

Catalog Number: 0037 Enrollment: Limited to 10.

Nara Dillon

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Although health and welfare are often considered secondary to economic growth in the political economy of development, they lie at the heart of the issue of inequality—whether it is inequality in incomes or life spans. After a survey of different theoretical approaches to the politics of health and welfare, students will read a variety of empirical research drawn from Asian, Latin American, and African cases.

Note: This course will be lotteried.

***Social Studies 98kh. Theories of Social Cohesion and Solidarity - (New Course)**

Catalog Number: 0701 Enrollment: Limited to 10.

Reidar Maliks

Half course (spring term). M., 2–4.

What makes people willing to benefit others, even at a personal cost? In this course we explore the concept of solidarity and its significance for both social cohesion and justice. We will trace the concept in philosophy from the time of the French Revolution, through social theory from Tonnies and Durkheim to Charles Taylor. We will end with a look at solidarity in contemporary



contexts such as the welfare state, European integration, and global justice.

Note: This course will be lotteried.

***Social Studies 98kj. Religion and Politics in Modern America - (New Course)**

Catalog Number: 6394 Enrollment: Limited to 10.

K. Healan Gaston

Half course (spring term). Tu., 1–3.

Introduces key themes and problems in the study of religion and politics in modern America.

Includes sections on political affiliation and electoral behavior, Supreme Court decisions, grassroots movements of the left and right, policy formation, foreign policy, political theory, the culture wars, and global politics. Devotes special attention to debates about the implications of America's religious diversity, the role of religion in a democracy, church-state relations, and the secularization or de-Christianization of American public life.

Note: This course will be lotteried.

Cross-listed Courses

History 1345. The Human Sciences in the Modern West - (New Course)

Sociology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sociology

Robert J. Sampson, Henry Ford II Professor of the Social Sciences (*Chair*) (*on leave fall term*)

Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)

David L. Ager, Lecturer on Sociology (*Co-Director of Undergraduate Studies*)

Jason Beckfield, Assistant Professor of Sociology (*Director of Undergraduate Studies*)

Lawrence D. Bobo, W. E. B. Du Bois Professor of the Social Sciences

Gérard Bouchard, William Lyon Mackenzie King Visiting Professor of Canadian Studies

Mary C. Brinton, Reischauer Institute Professor of Sociology (*on leave 2008-09*)

Nicholas A. Christakis, Professor of Sociology (FAS) and Professor of Medical Sociology (*Medical School*)

Frank Dobbin, Professor of Sociology (*Director of Graduate Studies*)

Filiz Garip, Assistant Professor of Sociology

Tamara Kay, Assistant Professor of Sociology (*on leave 2008-09*)

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies, Senior Adviser to the Dean on Faculty Development and Diversity



Stanley Lieberman, Abbott Lawrence Lowell Professor of Sociology, Emeritus
Peter V. Marsden, Harvard College Professor and Professor of Sociology (*on leave fall term*)
Orlando Patterson, John Cowles Professor of Sociology
Theda Skocpol, Victor S. Thomas Professor of Government and Sociology (*on leave fall term*)
Jocelyn Viterna, Assistant Professor of Sociology and of Social Studies
Mary C. Waters, M. E. Zukerman Professor of Sociology
Bruce Western, Professor of Sociology
Martin K. Whyte, Professor of Sociology
William Julius Wilson, Lewis F. and Linda L. Geyser University Professor

Other Faculty Offering Instruction in the Department of Sociology

Laura L. Adams, Lecturer on Sociology, Preceptor in Expository Writing
Kathryn Edin, Professor of Public Policy and Management (*Kennedy School*)
Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
Vani S. Kulkarni, Lecturer on Sociology (*Public Health*) (*fall term only*)
Rachel Meyer, Preceptor in Expository Writing, Lecturer on Sociology
Timothy Nelson, Lecturer on Sociology (*Kennedy School*)
Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*) (*fall term only*)

Introductory Courses

Sociology 10. Introduction to Sociology

Catalog Number: 4814

Claude Rosental

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Introduces students to the main objects and goals of Sociology—both for sociology concentrators and curious non-concentrators. Explores the theories of classical authors in the history of sociology (such as Marx, Durkheim, Weber, and beyond). Examines major topics in sociological research (including but not limited to social problems, deviance, inequality, social change, culture, education, social interaction).

Note: May be counted for introductory concentration requirement, if letter-graded.

[Sociology 19. Reinventing Boston: The Changing American City]

Catalog Number: 9395

Christopher Winship

Half course (spring term). Tu., Th., 1–2:30.

American cities have changed in extraordinary ways. Once projected to be doomed to a future of blight and decay, Boston has become a model of urban renaissance. Using Boston as a case, this course considers issues of: technology booms, economic change and inequality, political governance, elite relations, cultural institutions, race and ethnic relations, immigration, gentrification and suburbanization. Weekly guest speakers. Requirements: 3 short group papers and individual term paper.

Note: Expected to be given in 2009–10. May be counted for introductory concentration requirement, if letter-graded.



[Sociology 21. Work and the New Economy]

Catalog Number: 8575

Mary C. Brinton

Half course (fall term). Hours to be arranged.

Explores changes in the nature of work and the workplace in recent years. Particular emphasis to trends in wage inequality, conditions of low- and highly-paid work, changes in the requirements of professions, rise of "contingent" and part-time employment, relationship between work and technology, and processes that affect people's work lives inside organizations, with some attention to international comparisons and employment policies.

Note: Expected to be given in 2009–10. May be counted for introductory concentration requirement, if letter-graded.

[Sociology 22. Gender and the Economy]

Catalog Number: 7997

Mary C. Brinton

Half course (fall term). Hours to be arranged.

Familiarizes students with central issues and theoretical perspectives regarding gender inequality in the workplace. Focuses first on long-term changes in women's economic participation and in the gendered division of labor as societies undergo processes of industrialization and post-industrialization, then more specifically on the US and on recent changes in workplace inequality and in the family-work interface.

Note: Expected to be given in 2009–10. May be counted for introductory concentration requirement, if letter-graded.

Sociology 24. Introduction to Social Inequality

Catalog Number: 9417 Enrollment: Limited to 25.

Jason Beckfield

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Examines individual and structural explanations for the generation and maintenance of inequality in the US with comparisons to other societies. The consequences of inequality for individuals and groups are studied.

Note: May be counted for introductory concentration requirement, if letter-graded.

Sociology 25. Introduction to the Sociology of Organizations

Catalog Number: 3609

Frank Dobbin

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Introduces the sociological study of formal organizations. Surveys basic concepts, emphases, and approaches. Attention given to processes within organizations, as well as to relationships between organizations and their environments. Topics include bureaucracy, leadership and power in organizations, interorganizational networks, and coordination among organizations.

Note: May be counted for introductory concentration requirement, if letter-graded.

Sociology 43. Social Interaction - (New Course)

Catalog Number: 9625

Timothy Nelson (Kennedy School)



Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Drawing from social psychology and symbolic interaction, this course focuses on social interactions, from everyday activities like conversations and parties to demonstrations and riots. Emphasizes outside observation of various kinds and components of social interaction. The University's resident halls, classrooms, finals clubs, and the cities of Cambridge and Boston will serve as our laboratory. Students will record their observations and analyses in journal entries.

Note: May be counted for introductory concentration requirement, if letter-graded.

[*Sociology 67. Visualizing Social Problems In Documentary Film and Photography]

Catalog Number: 8622

Tamara Kay

Half course (fall term). Hours to be arranged.

Explores social problems as they are presented and constructed in documentary film and photography. Topics include crime and deviance, poverty, race and gender inequalities, environmental degradation, immigration, urbanization and globalization, and war and terrorism. Examines a variety of documentary film and photography genres such as historical, biographical, ethnographic, satire, and political expose. Compares the processes by which filmmakers and photographers engage in social documentation.

Note: Expected to be given in 2009–10. Limited enrollment. May be counted for introductory concentration requirement, if letter-graded.

Tutorials

***Sociology 91r. Supervised Reading and Research**

Catalog Number: 4449

Jason Beckfield and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in sociology under the supervision of teaching staff in the department. A graded supervised course of reading and research on a topic not covered by regular courses of instruction.

Note: Students negotiate topics on their own. A final paper must be filed in the Sociology undergraduate office.

***Sociology 95 (formerly *Sociology 96j). Research for Nonprofits**

Catalog Number: 0136

Jason Beckfield

Half course (spring term). Tu., at 10. EXAM GROUP: 12

Supports students in carrying out a research project for a nonprofit organization that they are currently working with or have an interest in. Examines how research is used in the nonprofit sector. Course combines guest lectures, discussion, and student project presentations.

Note: There will be a required discussion meeting lasting 1 hour immediately following the course presentation each week. Both concentrators and non-concentrators are welcome to apply. First meeting required. Students should bring a completed copy of the enrollment form (available on the course website) to the first class meeting.



***Sociology 96r. Community Based Research**

Catalog Number: 7425

Jason Beckfield

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

One of the few courses at Harvard that integrates students' participation in activities outside the University with course work. Course integrates readings with hands-on research projects in the Boston area. Topics vary; refer to course website for details. Previous topics have included: immigration, marginalization, adolescents, civic activity.

Note: Both concentrators and non-concentrators are welcome to apply. Required first meeting.

Sociology 97. Tutorial in Sociological Theory

Catalog Number: 5079

Jason Beckfield

Half course (fall term; repeated spring term). Spring: M., 2–4; Tu., 3–5; Tu., 3–5.

Provides a critical understanding of selected classical and contemporary theorists, including Marx, Durkheim, Weber, Simmel, Parsons, Coleman, Collins, Bourdieu, and an up-to-date selection of avant-garde theory.

Note: Required of concentrators, ordinarily sophomores, and secondary concentrators. Required first organizational meeting, spring term, Friday, January 30 @ 10.

***Sociology 98. Junior Tutorial**

Catalog Number: 5943 Enrollment: Limited to 8.

David L. Ager, Filiz Garip (spring term), Vani S. Kulkarni (Public Health) (fall term), Michèle Lamont (fall term), Rachel Meyer (spring term), Orlando Patterson (spring term), Bruce Western (fall term) and Members of the Department

Half course (fall term; repeated spring term). 98K, fall, W., 1-3 pm; 98L, fall, T., 1-3pm; 98W, fall, tba. Spring term tutorials by assignment.

Small group research projects centered on common topics that vary by seminar and year.

Note: Required of and limited to concentrators, ordinarily juniors.

Prerequisite: Sociology 97.

***Sociology 99. Senior Tutorial**

Catalog Number: 6237

Jason Beckfield and members of the Department

Full course. Hours to be arranged.

Supervision of theses or other honors projects.

Note: Limited to concentrators, ordinarily seniors. In addition, students of Sociology 99 may also participate in a fall term only, optional, regularly scheduled weekly group seminar for consultation and discussion about choice of problems, possible data, and research procedures.

Prerequisite: Sociology 98.

For Undergraduates and Graduates

Sociology 107. The American Family

Catalog Number: 9124

Martin K. Whyte



Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The American family is often thought to be changing in ways considered unfortunate for children and society. At the same time, the family continues to occupy a central place in people's lives. We examine how and why American families have changed and explore the consequences of these changes.

Note: Discussion section required. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Sociology 109. Leadership and Organizations

Catalog Number: 8260 Enrollment: Limited to 80. Enrollment by lottery.

David L. Ager

Half course (fall term). M., W., at 10.

Focus on the sociological study of leadership emphasizing leadership in organizational settings. Topics covered: how leadership, power, influence, and social capital are interrelated; organizations as complex social systems; politics and personalities in organizational life; organization design and culture; leadership of organizational change and transformation; and creating sustainable organizations.

Note: Open to students in all fields. Course relies heavily on the case study method for learning similar to the approach used at the Harvard Law and Business Schools.

Sociology 128. Models of Social Science Research

Catalog Number: 5979

Mary C. Waters

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Reviews sociological methods and the questions to which each is best suited. Readings exemplify statistical, ethnographic, and historical approaches. Stresses logic and reasoning, not particular statistical methods.

Note: Required of concentrators, ordinarily Sophomores, and secondary concentrators.

[Sociology 129. Education and Society]

Catalog Number: 6298

Mary C. Brinton

Half course (spring term). Hours to be arranged.

Examines the key role played by the education system in reproducing and transforming modern society. The course considers what purposes education serves; to what extent factors such ability, effort, intelligence and luck determine educational success; why educational attainment is socially stratified by social class origin, gender, 'race' and ethnicity; and how educational attainment and outcomes are shaped by differences in character and quality between and within schools.

Note: Expected to be given in 2009–10.

[Sociology 130. Black Youth Culture] - (New Course)

Catalog Number: 7125

Orlando Patterson

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

**Sociology 134. Theories of Power and Postcommunist Societies - (New Course)**

Catalog Number: 0041

*Laura L. Adams**Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15*

Introductory course in contemporary social theory with thematic focus on the concept of power (broadly defined), and an empirical focus on socialist and post-socialist societies including the former Soviet Union, Eastern Europe, China, and Cuba. Each week will pair readings from a particular school or theorist (Bourdieu, Foucault, Gramsci, etc.) with readings by authors who employ that theoretical perspective in their research. Topics covered will include class, colonialism, culture, gender, and resistance.

Sociology 137. Money, Work, and Social Life - (New Course)

Catalog Number: 1589 Enrollment: Limited to 50.

*Filiz Garip**Half course (fall term). M., W., at 12. EXAM GROUP: 5*

Offer an account of production, consumption, distribution, and transfer of assets. Examining different sectors of the economy from corporations and finance to households, immigrants, welfare, and illegal markets, we explore how in all areas of economic life people are creating, maintaining, symbolizing, and transforming meaningful social relations. Economic life, from this perspective, is as social as religion, family, or education.

[Sociology 139. Religion and Society]

Catalog Number: 9003

*Timothy Nelson (Kennedy School)**Half course (fall term). Hours to be arranged.*

Organized into three sections: basic concepts of religion are examined, including, belief, experience, ritual, and organization; religion and the major social distinctions of gender, race/ethnicity and social class; and religion in contemporary society, including secularization, religion in politics and social services, and growth of alternative religions.

Note: Expected to be given in 2009–10. Students will be expected to participate in and observe religious services.

[Sociology 140. The Sociology of U.S. Foreign Policy] - (New Course)

Catalog Number: 1189 Enrollment: Limited to 60.

*Jocelyn Viterna**Half course (spring term). Hours to be arranged.*

Addresses sociological questions about political power and global social change. Students will read a series of case studies describing US actions toward other nations since the World War II, then explore: (1) why the US government chose these actions, (2) how the US public responded, and (3) the consequences of US actions for issues of class, race, and gender in the affected nations. Case studies will be drawn primarily from non-Western regions of the world (Latin America, the Middle East, Southeast Asia, Africa), and theories of globalization, development, collective action, transnational norms, elite power, and social psychological decision-making processes will be central to class discussions.

Note: Expected to be given in 2009–10.



Sociology 141. Social Institutions of Contemporary China

Catalog Number: 9333

Martin K. Whyte

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Introduction to the patterns of social life in China and how these have changed since the revolution in 1949. Topics covered include political institutions, work organizations, village life, cities, family life, schooling, and inequality.

Sociology 145. Urban Social Problems - (New Course)

Catalog Number: 8737

Kathryn Edin (Kennedy School)

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

Examines first the process by which social phenomenon come to be identified as social problems, then turns to how sociologists have studied social problems from the beginning of the 20th century and onward. We conclude with a discussion of contemporary social problems in U.S. cities (poverty, family structure, neighborhoods, labor markets, crime, and education), how they are framed, and policy solutions.

Sociology 155. Class and Culture

Catalog Number: 8934

Timothy Nelson (Kennedy School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Examines the intersection of social class and culture--both popular culture and "culture" in the anthropological sense. Focus on "class consciousness" as well as the cultural views of the class system, how social class is embedded in various high and popular cultural products such as art, music books, movies and material goods, and finally the question of how class is reproduced through culture. There will be several short research/analysis projects.

***Sociology 156. Quantitative Methods in Sociology**

Catalog Number: 8958

Peter V. Marsden

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Introduces quantitative analysis in social research, including principles of research design and the use of empirical evidence, particularly from social surveys. Descriptive and inferential statistics, contingency table analysis, and regression analysis. Emphasis on analysis of data and presentation of results in research reports.

Note: Required of and limited to Sociology concentrators, ordinarily sophomores.

[Sociology 157. Gender and Social Policy: The US in Comparative Perspective: Conference Course]

Catalog Number: 3030

Mary Ruggie (Kennedy School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Examines the role of various actors and venues (including governments, courts, interest groups, employers) on the development and implementation of policies on health, labor market, family, welfare and violence. Policies in the US are compared with those in selected European countries.



Theoretical perspectives are drawn from the literature on the welfare state and feminist legal theory.

Note: Expected to be given in 2009–10. Open to undergraduate and graduate students.

***Sociology 159. Social Entrepreneurship - (New Course)**

Catalog Number: 9611 Enrollment: Limited to 60. , by lottery.

David L. Ager

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Focuses on the efforts of private citizens, for-profit and not-for-profit initiatives, to respond to social needs through creative solutions. Topics covered: defining social good, assessing market, philanthropy, and government responses; developing an organizational mission; recognizing specific opportunities for social improvement; forming an enterprise that responds to those opportunities; developing organizational funding strategies; evaluating performance; leading the enterprise; and creating positive and sustainable social value.

Sociology 160. Medicine, Health Policy and Bioethics in Comparative and Global Perspective: Conference Course

Catalog Number: 3456

Mary-Jo Del Vecchio Good (Medical School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Complements Sociology 162. Examines the culture and political economy of biomedicine and health care institutions in the US and internationally. Analysis of current debates on medical education and the new professionalism; clinical narratives, the medical imaginary and the biotechnical embrace; cultural diversity, disparities and inequalities in medical and mental health care; medical error and quality of care; just use of societal resources; and bioethical dilemmas in clinical practice, medical missions and interventions, and international research and health policies.

[Sociology 162. Medical Sociology]

Catalog Number: 5801

Mary-Jo Del Vecchio Good (Medical School)

Half course (fall term). Hours to be arranged.

Explores current topics in medical sociology organized around the theme of global and local environments of risk and trust in medicine and health care. Examines how medical education, knowledge, practice, research, technology, and health policies are culturally shaped and institutionally organized. Analyzes the culture and political economy of American medicine through comparative and global perspectives, utilizing country specific illustrations and global health examples.

Note: Expected to be given in 2009–10.

Sociology 163. Science, Technology & Society - (New Course)

Catalog Number: 9293

Claude Rosental

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Introduces students to the concrete ways in which scientific knowledge and technologies are produced and managed, and to the structures of the relationship between science, technology and



society at large. Examines how scientific work and the production of innovations are socially organized. Focuses on the roles of various elements such as institutions, norms, competitive and cooperative practices, material and cognitive cultures, or information technologies. Assumes no prior scientific or technical knowledge.

Sociology 165. Inequalities in Health Care

Catalog Number: 8272

Mary Ruggie (Kennedy School)

Half course (fall term). M., W., at 3. EXAM GROUP: 8

Asks why certain social groups are at greater risk for more severe health problems (eg., infant mortality, HIV/AIDS, cancer) and yet receive unequal health care in the US. Examines selected health disparities around the world and what best practices foster adequate delivery of healthcare services, mutual respect between patient and provider, and healthy living.

[*Sociology 167. Visualizing Rights and Social Change in Documentary Photography and Film]

Catalog Number: 6911 Enrollment: Limited to 20.

Tamara Kay

Half course (fall term). Hours to be arranged.

Explores role of documentary photography and film in promoting rights and advocating social change, particularly in the realm of human rights. Examines history of documentary film and photography in relationship to politics and the development of concerns in sociology with inequality and social justice. Looks at how individual documentarians, non-profit organizations and social movements use film and photography to further their goals and causes. A variety of documentary film and photography genres such as historical, biographical, ethnographic, satire, and political expose will be examined and compared to processes by which filmmakers and photographers engage in social documentation.

Note: Expected to be given in 2009–10.

Sociology 171. Sociology of Crime and Punishment

Catalog Number: 9922

Bruce Western

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

The U.S. penal population now numbers more than 2.2 million people and nearly a third of all African American men will be sentenced to prison at some time in their lives. This course studies these and other crime and criminal justice trends, analyzing them from a sociological perspective. From this perspective crime and state responses to crime are historically variable and often rooted in conflicts over the status of marginal social groups.

Sociology 172. Canada, Quebec & U.S. as Nations of New World - (New Course)

Catalog Number: 6652

G  rard Bouchard

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Surveys, through a comparative framework and a mix of theory and empirical analysis, the formation and evolution of these three national cultures over four centuries. An emphasis is put on the collective imaginary as a set of collective myths through which basic and lasting



contradictions are (hopefully) overcome. Special attention is also given to the discursive, symbolic strategies designed to build appealing national identities. The lessons will draw on overviews of a large array of publications (literature, political ideologies, historical writings, and the likes).

Sociology 173. Ethnic Diversity and Integration Frameworks in Canada, Québec and United States - (New Course)

Catalog Number: 3156

Gérard Bouchard

Half course (spring term). M., W., 1–2:30.

Addresses the historically conflicting relationship between identity or national culture, defined as the product of untouchable founding myths, and ethnic diversification perceived as a potentially destructive process. This course offers an overview of the various stances and policies Canada, Québec and United States have adopted over the years to counter or to accommodate ethnic diversity. Emphasis is put on the distinctive features of the prevailing systems and their cultural underpinning. Finally we address the trends and tensions that have emerged recently.

Sociology 174. Contemporary Central Asian Societies

Catalog Number: 5060

Laura L. Adams

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A sociological introduction to Central Asia, focusing on Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan, and also including nearby Muslim societies such as Afghanistan and Xinjiang in Western China. Explores contemporary topics such as religion, politics, civil society, globalization, gender, demography, migration, and culture.

[Sociology 176. Immigration and the Transformation of American Society]

Catalog Number: 5953

Mary C. Waters

Half course (spring term). Hours to be arranged.

How are new immigrants and their children being incorporated into the US? How is American society changing as a result of immigration? Examines social, cultural, economic, political, and linguistic trends. Focuses on the US, with comparisons to other immigrant receiving countries.

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Sociology 177. Hurricane Katrina: Disaster and Its Aftermath - (New Course)

Catalog Number: 7253 Enrollment: Limited to 15.

Mary C. Waters

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines Hurricane Katrina through the lens of the social sciences. Reviews the history of New Orleans, the sociological literature on disasters, and examines how race, class and gender shaped the experiences of the storm and its aftermath. We will review research on the survivors and on the city of New Orleans and debate public policy solutions.



[Sociology 179. Crime, Justice, and the American Legal System]

Catalog Number: 3962

Half course (fall term). Hours to be arranged.

Examines the causes and consequences of the crime problem in America. Key actors in the legal system, such as police, courts, and prisons will be covered and the role of these institutions in crime prevention will be assessed. Particular attention will be paid to drugs, guns, gangs and other urban crime problems as well as controversial topics in criminal justice, such as racial profiling and the death penalty.

Note: Expected to be given in 2009–10. Offered jointly with the Kennedy School as CCJ-103.

[*Sociology 184. Freedom in America: An Historical Sociology: Conference Course]

Catalog Number: 9740

Orlando Patterson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Examines the social construction and practice of freedom in America from early colonial times to the present. Freedom explored not simply as an idea, but as a cultural system that both shapes and is shaped by changing socio-economic contexts. Special attention paid to the ways in which constructions of freedom vary by class, gender and ethnicity, and the role of slavery, the revolution, the civil war, and the Civil Rights movement in the development of this ideal.

Note: Expected to be given in 2009–10.

***Sociology 185. Race and Crime in America**

Catalog Number: 4244

Lawrence D. Bobo

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Examines sociological thinking and research on race and crime. General theories of involvement in crime and deviance will be discussed with special attention to issues of youth gangs, to impact of poverty and of racial residential segregation on involvement in crime, and the impact of high rates of incarceration on minority communities. The course will address the tightly inter-connected politics of race and crime as well the role the media plays in fostering fear of crime and racial stereotypes. Finally, the course will engage the major public policy questions raised by the now historic high rates of incarceration of minority youth.

[Sociology 189. Law and Social Movements]

Catalog Number: 2421

Tamara Kay

Half course (spring term). Hours to be arranged.

Explores the relationship between law and social movements in the US (with some international and transnational comparisons). Analyzes how the law shapes and structures social movements, how social movements mobilize the law to create social change, and how they engage in legal reform. Examines and compares a variety of social movements including the civil rights, human rights, labor rights, environmental, anti-globalization, women's rights, and indigenous rights movements.

Note: Expected to be given in 2009–10.



Sociology 190. Life and Death in the US: Medicine and Disease in Social Context

Catalog Number: 0021

Nicholas A. Christakis (Medical School, FAS)

Half course (spring term). M., W., at 3. EXAM GROUP: 8

Explores how biological and social factors jointly conspire to determine the health of individuals and populations. Examines how medical care, social networks, and socioeconomic inequality influence illness, recovery, and death.

Note: This course, when taken for a letter grade, meets the Core requirement for Social Analysis.

[*Sociology 191. The Politics of Law, Labor and Globalization in the Americas]

Catalog Number: 1423 Enrollment: Limited to 28.

Tamara Kay

Half course (spring term). Hours to be arranged.

Examines the history of U.S.-Latin American union relations and traces the development and strategies of labor movements in Latin America in relationship to different political regimes, economic development policies, labor laws and labor rights. Focuses also on the effects of globalization and regional economic integration on workers and labor movements in the Americas, focusing on the impacts of regional governance institutions, trade, and immigration. Explores the limitations and possibilities for labor transnationalism in response to globalization, and efforts to frame labor rights as human rights across the Americas.

Note: Expected to be given in 2009–10.

[*Sociology 193. Crime, Community, and Public Policy: Conference Course]

Catalog Number: 8651

Half course (fall term). Hours to be arranged.

Examines criminal justice from the perspective of local communities. Questions of how local communities affect and are affected by crime and criminal justice will be addressed. A central concern will be the discussion of characteristics of neighborhoods that lead to high rates of criminality and how federal, state, and local policies not directly concerned with crime policy may nonetheless bear on crime rates. The City of Boston will be used as a laboratory in which to study these issues.

Note: Expected to be given in 2009–10.

[Sociology 194. Knowledge Production & Evaluation in the Social Sciences: Conference Course]

Catalog Number: 6917

Michèle Lamont

Half course (spring term). Hours to be arranged.

Focus on ethnographic and historical research on practices of knowledge making, use and evaluation in the social sciences. We will survey frontier literatures in science studies to consider potential for cross-fertilization and future empirical investigation. The overall goal will be to study similarities and differences in social processes across disciplines and potential for coordinated research agendas.

Note: Expected to be given in 2009–10.



Cross-listed Courses

[African and African American Studies 197. Poverty, Race, and Health](#)
[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)

[Foreign Cultures 63. China's Two Social Revolutions]

[History of Science 157. Sociological Topics in the History of Science]

[Psychology 15. Social Psychology](#)

[Social Analysis 54. American Society and Public Policy](#)

[Studies of Women, Gender, and Sexuality 1125. Gender and Health]

Primarily for Graduates

[*Sociology 202. Intermediate Quantitative Research Methods](#)

Catalog Number: 4117

Peter V. Marsden

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Research designs and measurement techniques used in quantitative sociological research. Regression methods for continuous and binary response variables, including categorical predictors, nonlinearity interactions, diagnostics, and criticism. Emphasis on applications and implementation.

Note: Required of, and ordinarily limited to, first-year graduate students in Sociology

Prerequisite: Familiarity with basic statistics.

[*Sociology 203a. Advanced Quantitative Research Methods](#)

Catalog Number: 3315

Christopher Winship

Half course (fall term). Tu., Th., 10–12. EXAM GROUP: 12, 13

Matrix approach to regression analysis with an emphasis on the assumptions behind OLS. Instrumental variables, generalized least squares, probit and logit models, survival analysis, hierarchical linear models, and systems of equations are studied.

Note: Required of, and ordinarily limited to, first-year graduate students in Sociology.

Prerequisite: Sociology 202 or basic course in regression analysis.

[\[*Sociology 203b. Analysis of Longitudinal Data: Seminar\]](#)

Catalog Number: 1860

Peter V. Marsden

Half course (fall term). Hours to be arranged.

Treats longitudinal design and methods for the statistical analysis of longitudinal data with an emphasis on the analysis of change in discrete variables. Includes introduction to time series analysis. Statistical theory and practical applications covered.

Note: Expected to be given in 2009–10. Primarily for graduate students in sociology.

Prerequisite: Sociology 203a.

[Sociology 204. Sociological Theory: Seminar](#)

Catalog Number: 6189



Michèle Lamont

Half course (fall term). M., 10–12. EXAM GROUP: 3, 4

Introduction to the ideas of and socio-intellectual contexts that were formative for Tocqueville, Durkheim, Marx, Weber, Simmel, and Mead. Consideration of their significance for contemporary sociological theory.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 205. Sociological Research Design**

Catalog Number: 8972

Frank Dobbin

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Note: Required of, and ordinarily limited to, first-year graduate students in Sociology.

Sociology 206. The Sociology of Development: Seminar

Catalog Number: 9026

Martin K. Whyte

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines debates surrounding the nature of the process of economic development. Major attention is devoted to rival theories of where and why development occurs and to a variety of social consequences of economic development.

[*Sociology 208. Contemporary Theory and Research: Seminar]

Catalog Number: 6080

Mary C. Brinton

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Develops tools for the construction of sociological theory. Compares major contemporary sociological theories and their applications. Emphasis is placed on adjudicating among competing explanations based on evidence and critical assessment of a theory's logic.

Note: Expected to be given in 2009–10. Required of and limited to second-year graduate students in Sociology.

***Sociology 209. Qualitative Social Analysis: Seminar**

Catalog Number: 1198

Orlando Patterson

Half course (spring term). W., 11–1. EXAM GROUP: 4

Examines approaches to non-numerical data used by social scientists to obtain valid, reliable, and meaningful insight into the social world through the analysis of ethnographic field notes, interview transcripts, and archival and other interpretative data.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 210. Issues in the Interpretation of Empirical Evidence: Seminar**

Catalog Number: 2882

Stanley Lieberson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Special problems occur in the interpretation of either qualitative or quantitative results based on



non-experimental data--whether from surveys, historical research, or field work. These issues differ from those that can be resolved through statistical solutions.

[*Sociology 221. Immigration, Identity and Assimilation: Seminar]

Catalog Number: 9699 Enrollment: Limited to 15.

Mary C. Waters

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the experiences of recent immigrants and their children — the second generation.

Review of Economic, political, and social assimilation, and ethnic identity formation. Discussion of recent theories and research on the link between identity and economic assimilation.

Note: Expected to be given in 2009–10.

[Sociology 224. Organizational Analysis: Seminar]

Catalog Number: 8202

Half course (spring term). Hours to be arranged.

Reviews classical and contemporary theories of organizations, including ecological, institutional, resource dependence, transaction-cost, agency theory, learning theory, and organizational culture. Examines phenomena at multiple levels from the establishment to the organizational network or field.

Note: Expected to be given in 2009–10.

[Sociology 225. Historical Sociology: Studying Continuity and Change: Seminar]

Catalog Number: 8750

Orlando Patterson

Half course (spring term). Hours to be arranged.

Examines the main approaches to the interface of history and sociology. Major theoretical traditions and methodological strategies (both quantitative and qualitative) are appraised mainly through the exploration of exemplary studies.

Note: Expected to be given in 2009–10.

[*Sociology 228. Labor Markets]

Catalog Number: 1766

Mary C. Brinton

Half course (fall term). Hours to be arranged.

Examines key issues and research in the area of labor markets, with an emphasis on presentation of students' work in progress.

Note: Expected to be given in 2009–10. Must be third-year graduate student or above to enroll.

[Sociology 231. Neighborhood Effects and Community-Level Social Processes]

Catalog Number: 6611

Robert J. Sampson

Half course (spring term). Hours to be arranged.

Examines contemporary research on the role of neighborhoods in modern city life. Topics include segregation and neighborhood social isolation; social networks and trust; spatial forms of



racial inequality; and the role of institutions in generating collective action.

Note: Expected to be given in 2009–10.

***Sociology 236. Selected Topics in Culture and Inequality**

Catalog Number: 0582

Michèle Lamont

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

Introduction to cultural sociology, particularly as it intersects with the study of inequality.

Topics: Symbolic boundaries, cultural capital, cultural consumption, identity, race and class cultures, anti-racism, cultural repertoires, explanation, interpretation, and comparative research strategies.

Sociology 237. Contemporary Chinese Society: Seminar

Catalog Number: 4320

Martin K. Whyte

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A seminar devoted to the intensive analysis of a particular aspect of contemporary Chinese society. This year the focus will be on trends in inequality and stratification in China.

Sociology 243. Economic Sociology

Catalog Number: 2022

Filiz Garip

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Introduction to economic sociology at the graduate level. Surveys economic inequality and the ways that economic behavior and outcomes are shaped by social institutions such as markets, networks, organizations, the family, the state, and culture.

Sociology 248. Race, Politics, and Social Inequality: Seminar

Catalog Number: 8035

Lawrence D. Bobo

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines intersection of race, public will, and policy-making. Reviews theories of race-making and racial inequality, dynamics of public opinion, and effects of a racialized public sphere on social policy. Focuses on the welfare state, the criminal justice system, and the dynamics of a multiethnic society.

[*Sociology 249. “Race,” Culture, and Social Structure: Seminar]

Catalog Number: 5727

Orlando Patterson

Half course (spring term). Hours to be arranged.

Examines socio-economic and cultural dimensions of racial inequality in the US. External and institutional factors accounting for inequality and internal problems will be examined. Political and economic consequences of various policies aimed at reducing inequality such as affirmative action will be explored, giving attention to family structure and gender relations and to the policies relating to them.

Note: Expected to be given in 2009–10.



Sociology 252. Sociology of Gender - (New Course)

Catalog Number: 9968

Jocelyn Viterna

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

Examines (1) the biological and social bases of gender; (2) feminist theories; (3) how gender both affects, and is affected by, major social institutions; and (4) gender in the global south.

***Sociology 255. Social Stratification: Seminar**

Catalog Number: 3839

Jason Beckfield

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Examines theoretical and empirical approaches to understanding the sources, structure and consequences of persistent social inequalities.

[*Sociology 260. The Sociology of Global Health]

Catalog Number: 6585

Mary-Jo Del Vecchio Good (Medical School)

Half course (spring term). Hours to be arranged.

Examines the historical transformation and social organization of the modern global health movement, its political economy and diverse cultural contexts. Cases include institutional architecture and financing, medical humanitarianism, mental health, and gender /reproductive health initiatives.

Note: Expected to be given in 2009–10. Instructor's permission required.

[Sociology 263. Globalization and Comparative Inequality]

Catalog Number: 6503

Jason Beckfield

Half course (spring term). Hours to be arranged.

Focuses on globalization and inequality, in comparative and cross-national perspective. We begin by reviewing the basic conceptualizations of globalization, and we then turn to consider how globalization can be connected to inequality.

Note: Expected to be given in 2009–10.

[*Sociology 275. Social Network Analysis: Seminar]

Catalog Number: 6899

Peter V. Marsden

Half course (fall term). Hours to be arranged.

Concepts and methods for studying social structure using social networks. Approaches to collecting network data; data quality; graph-theoretic, statistical, and visual approaches to analyzing network data, including block models and multidimensional scaling.

Note: Expected to be given in 2009–10.

***Sociology 296b. Proseminar on Inequality and Social Policy II - (New Course)**

Catalog Number: 9407

Christopher Jencks (Kennedy School)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8



Deals with causes and possible cures for economic inequality, including skill differences, discrimination, immigration, household composition, residential segregation, and the welfare state.

Note: Offered jointly with the Kennedy School as HLE-512.

Prerequisite: HLE-511

Cross-listed Courses

[African and African American Studies 211. Social Structure and Culture in the Study of Race](#)

[*Government 2340a \(formerly *Government 2340\). Social Policy I](#)

[*Psychology 2630. Social Behavior in Organizations: Seminar](#)

Graduate Courses of Reading and Research

***Sociology 300hf (formerly *Sociology 300). Workshop on Race: Black Youth Culture**

Catalog Number: 6654

Orlando Patterson 1091

Half course (throughout the year). F., 12–2.

A venue for graduate students and advanced scholars working on all aspects of minority-majority relations, the condition of Afro-Americans and other disadvantaged ethnic groups, and the evaluation of related public policies and programs.

***Sociology 301. Special Reading and Research**

Catalog Number: 4017

David L. Ager 5142, Jason Beckfield 5612, Lawrence D. Bobo 2919, Mary C. Brinton 4567 (on leave 2008-09), Nicholas A. Christakis (Medical School) 4459, Frank Dobbin 4622, Kathryn Edin (Kennedy School) 5952, Filiz Garip 5887, Mary-Jo Del Vecchio Good (Medical School) 7721, Christopher Jencks (Kennedy School) 2160, Tamara Kay 5611 (on leave 2008-09), Michèle Lamont 4634, Stanley Lieberman 1937, Peter V. Marsden 1797 (on leave fall term), Orlando Patterson 1091, Robert J. Sampson 4546 (on leave fall term), Theda Skocpol 1387 (on leave fall term), Jocelyn Viterna 5860, Mary C. Waters 1498, Bruce Western 5763, Martin K. Whyte 3737, William Julius Wilson 2401, and Christopher Winship 3189 (on leave spring term)
Half course (fall term; repeated spring term). Hours to be arranged.

***Sociology 302. Direction of Doctoral Dissertations**

Catalog Number: 5021

Members of the Department

***Sociology 303a. Advanced Topics in Quantitative Research**

Catalog Number: 5636

Christopher Winship 3189 (on leave spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

Examines current methodological scholarship in the social sciences with an eye to assessing its quality and potential for advancing quantitative methods. Recently published and unpublished work by local scholars examined.



***Sociology 304. Culture and Social Analysis Workshop**

Catalog Number: 2809

Michèle Lamont 4634

Half course (fall term; repeated spring term). M., 4–6.

A venue for those working on topics such as meaning-making, identity, collective memory, symbolic boundaries, cultural capital, class cultures, popular culture, media, disciplinary cultures, and the impact of culture on inequality.

***Sociology 305hf (formerly *Sociology 305). Teaching Practicum**

Catalog Number: 0259 Enrollment: Indivisible

David L. Ager 5142

Half course (throughout the year). Hours to be arranged.

Note: Required of and limited to graduate students in Sociology. Attendance at first meeting is required.

[*Sociology 306r. Colloquium in Sociology]

Catalog Number: 4818

Half course (fall term; repeated spring term). Tu., 12–2.

Provides a forum for advanced graduate students for presentation of their research. Only graduate students in sociology may register for credit. Students registered for credit must make a seminar presentation during the term.

Note: Expected to be given in 2009–10.

***Sociology 307. Proseminar on Inequality and Social Policy III**

Catalog Number: 0137

William Julius Wilson 2401

Half course (fall term). M., 2–4.

Students develop previously completed papers from Sociology 296a or 296b into professional presentations and publishable articles, critique peer papers across disciplines, and discuss presentations of national experts.

Note: Offered jointly with the Kennedy School as HLE-513.

Prerequisite: Sociology 296a or 296b (or HLE-511 or HLE-512 at the Kennedy School) or by permission of instructor.

***Sociology 308. Workshop on Economic Sociology**

Catalog Number: 0086

Frank Dobbin 4622

Half course (fall term; repeated spring term). W., 3:30–5.

Presentations and discussions of new research by members of the community and visiting scholars. Students are exposed to the major paradigms in the field, and see how research articles are developed and refined.

***Sociology 309. Migration and Immigrant Incorporation Workshop**

Catalog Number: 9932

Mary C. Waters 1498



Half course (fall term; repeated spring term). Tu., 12–1:30.

Bi-weekly colloquium for graduate students that examines international migration and the incorporation of migrants into host societies. Students participate in meetings and present original work in progress.

***Sociology 310a. Qualifying Paper A**

Catalog Number: 0085

Filiz Garip 5887

Half course (spring term). M., 10–12.

Guides students through the process of producing an original research paper of high quality. Readings and discussion cover the identification of appropriate research problems, the nature of causal reasoning, and data analysis and write-up.

Note: Required of, and ordinarily limited to, second-year graduate students while writing the qualifying paper. Prerequisite to 310b, to be offered fall term.

[*Sociology 310b. Qualifying Paper B]

Catalog Number: 4625

Robert J. Sampson

Half course (fall term).

Guides students through the process of producing an original research paper of high quality. Readings and discussion cover the identification of appropriate research problems, the nature of causal reasoning, and data analysis and write-up.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10. Required of, and ordinarily limited to, third-year graduate students while writing the qualifying paper.

Prerequisite: 310a

[*Sociology 311. Family and Childhood Research Workshop]

Catalog Number: 1062

Martin K. Whyte 3737

A venue for the presentation of works-in-progress by those with an interest in family formation and dissolution, child well-being, youth development, and the impact of the social environment on families and children.

Note: Expected to be given in 2009–10.

***Sociology 390. Health and Social Structure**

Catalog Number: 6282

Nicholas A. Christakis (Medical School) 4459

Full course (indivisible). Th., 1–3.

Considers advanced topics in how supra-individual factors, such as social networks, neighborhoods, and health care organizations, contribute to individual health and longevity. Students undertake a substantial piece of original research.

Cross-listed Courses

***Government 3004. Research Workshop in American Politics**

***Social Policy 301. Research and Social Policy Seminar**



South Asian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on South Asian Studies

Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*Chair*)
 Asad A. Ahmed, Assistant Professor of Anthropology
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
 Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities (*on leave fall term*)
 Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society
 Smita Lahiri, Associate Professor of Anthropology
 Sendhil Mullainathan, Professor of Economics
 Parimal G. Patil, John L. Loeb Associate Professor of the Humanities (*on leave 2008-09*)
 Amartya Sen, Lamont University Professor (*on leave spring term*)
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 Michael Witzel, Wales Professor of Sanskrit, Contin Ed/Spec Prog Instructor (*on leave fall term*)
 Richard K. Wolf, Professor of Music (*on leave fall term*)

The Committee on South Asian Studies is a multi-disciplinary group of scholars appointed to coordinate teaching and research on South Asia (the nation-states of India, Pakistan, Bangladesh, Sri Lanka, Afghanistan, Nepal, Bhutan, the Maldives and their neighboring areas) among Harvard's departments and schools and is concerned with the planned development of South Asian studies in the University as a whole. It works in close collaboration with the Asia Center, especially its South Asia Initiative, to promote the study of South Asia in a comparative and global context. In association with the South Asian Initiative, it sponsors lectures, seminars, conferences, films and exhibitions on South Asia. There are currently two FAS seminar series wholly focused on South Asia: South Asia without Borders, and the South Asia Seminar.

The Committee is working to expand the range of curricular options open to undergraduates. An undergraduate concentration is currently offered in the Department of Sanskrit and Indian Studies. Graduate degrees with a South Asian focus can be sought in the Departments of History, Religion, Sanskrit and Indian Studies and other departments. A PhD degree can be pursued in the Department of History in South Asian and Indian Ocean history. South Asian religions can be studied towards a PhD degree under the Committee on the Study of Religion. The Department of Near Eastern Languages and Civilizations offers a PhD track in Indo-Islamic culture. The South Asian Initiative awards several South Asia-related undergraduate and graduate research and travel grants and fellowships.



At present, Harvard offers more than 100 non-language courses in South Asian Studies in various departments of the Faculty of Arts and Sciences and Professional Schools on a regular basis, with many offered every year and all offered at least once every three years. Of these, over 60 consist of 100 percent South Asian content. Courses with at least 25 percent South Asian content number nearly 40. More than 30 language courses are offered with at least three-year sequences in Hindi-Urdu and Sanskrit. Reciprocal cross-registration agreements are in place with the Massachusetts Institute of Technology and for graduate students at the Fletcher School of Law and Diplomacy at Tufts University.

Core Courses of Interest

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies](#)
[Historical Study A-16. Modern South Asia in Global History](#)
 [Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

Freshman Seminars of Interest

[*Freshman Seminar 44p. Contemporary India: Fact and Fiction](#)

Courses of Interest

[*Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar](#)
 [Anthropology 1120. Comparative Analysis of Ancient Civilizations]
[Anthropology 1630. Other People's Beliefs: The Anthropology of Religion](#)
 [Anthropology 1690. Consuming Passions: Cultures of Materialism in Asia]
 [Anthropology 2780. Culture and Citizenship]
 *Anthropology 3100. Old World Archaeology (Europe, Asia, and Africa)
 *Anthropology 3111. Asiatic Archaeology and Ethnography
[Economics 2390b. Development Economics I: Microeconomic Issues](#)
[Economics 2390d. The Economic Growth and Development Workshop](#)
[*Government 98gs \(formerly *Government 90gs\). Civil Society in Asia](#)
[*History 72a \(formerly *History 1425\). The Rise of the British Empire, 1757-1857](#)
 [*History 86d (formerly *History 1895). The Indian Ocean in Comparative Perspective]
[*History 86e \(formerly *History 1897\). Nation, Reason and Religion in South Asia](#)
 [*History 89c (formerly *History 1958). Islam and Ethnicity]
[History 2692 \(formerly History 2892\). Colonial and Post-Colonial Histories of South Asia: Seminar](#)
 [*History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture (7th–13th Century)]
 [Indian Studies 118. Indian Philosophy: Advanced Introduction]
 [Indian Studies 207a. Understanding Indian Ritual]
 [Indian Studies 207b. Understanding Indian Ritual]
[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam](#)
[Linguistics 122. Introduction to Indo-European](#)



[Linguistics 220ar. Advanced Indo-European](#)

[Linguistics 221r. Workshop in Indo-European](#)

[Music 190r. Topics in World Music: Proseminar]

[Music 201b. Current Methods in Ethnomusicology](#)

[Music 207r. Ethnomusicology: Seminar]

[Nepali 101a. Introductory Nepali](#)

[Nepali 101b. Introductory Nepali](#)

[Pali 101a. Introductory Pali]

[Pali 101b. Introductory Pali]

[Pali 102a. Intermediate Pali]

[*Pali 102b. Intermediate Pali]

[Pali 103r. Readings in Pali]

[Persian A. Elementary Persian](#)

[Religion 1063. South Asian Religious Aesthetics: Seminar]

[Religion 1600. Introduction to Hinduism]

[Religion 1627. Hindu Ethics: Seminar]

[Religion 1631. Hindu Traditions of Devotion](#)

[*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies]

[Sanskrit 101a. Elementary Sanskrit](#)

[Sanskrit 101b. Elementary Sanskrit](#)

[Sanskrit 102a. Intermediate Sanskrit I](#)

[Sanskrit 102b. Intermediate Sanskrit II](#)

[Sanskrit 200ar. Advanced Poetic Sanskrit](#)

[Sanskrit 200br \(formerly Sanskrit 212br\). Advanced Literary Sanskrit](#)

[Sanskrit 201ar. Advanced Philosophical Sanskrit]

[Sanskrit 201br. Advanced Philosophical Sanskrit]

[Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature](#)

[Sanskrit 214. Ritual Sutras]

*Sanskrit 301. Reading and Research

[Studies of Women, Gender, and Sexuality 1210ft. Feminist Theory: Feminism and Psychoanalysis](#)

[Urdu 101. Introductory Urdu-Hindi](#)

[Urdu 102. Intermediate Urdu-Hindi](#)

[Urdu 103a. Advanced Urdu-Hindi](#)

[Urdu 103b. Advanced Urdu-Hindi](#)

[Urdu 104. The Classical Urdu Ghazal and Its Symbolism](#)

[Urdu 105r. Topics in Urdu-Hindi Literature](#)

Special Concentrations



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Special Concentrations

Julie A. Buckler, Professor of Slavic Languages and Literatures (*Chair*)
Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Director of Undergraduate Studies*)
Byron J. Good, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology
Jerold Kayden, Frank Backus Williams Professor of Urban Planning and Design (*Design School*)
Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology; Curator of Ichthyology
Elizabeth Dyrud Lyman, Assistant Professor of English
Stephen A. Marglin, Walter S. Barker Professor of Economics
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking, Contin Ed/Spec Prog Instructor
Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature
Peter P. Rogers, Gordon McKay Professor of Environmental Engineering
Richard K. Wolf, Professor of Music (*on leave fall term*)

Application forms and information on completing petitions for Special Concentrations may be obtained from the Committee's office, located in Warren House (near the Barker Center).

Primarily for Undergraduates

***Special Concentrations 91r. Supervised Reading and Research**

Catalog Number: 2815

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to Special Concentrations concentrators who wish to pursue supervised study for graded credit in an area not covered by courses currently offered by regular Departments and Committees. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 96r. Senior Projects**

Catalog Number: 0829

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for seniors in their final term completing their senior project to meet the Basic (rather than Honors) requirements for concentration. May be repeated with the permission of the Director of Undergraduate Studies and the Faculty Adviser. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.



***Special Concentrations 97r. Tutorial — Sophomore Year**

Catalog Number: 2660

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by honors sophomores.

***Special Concentrations 98r. Tutorial — Junior Year**

Catalog Number: 2497

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

*Note: Successful completion two terms of *Special Concentrations 98r are ordinarily required of all honors concentrators in their junior year. Exceptions to this can only be granted with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.*

***Special Concentrations 99. Tutorial — Senior Year**

Catalog Number: 3294

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Either half year may be taken as a half course only with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations. Graded Sat/Unsat.

Statistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Statistics

Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics (*Chair*)

Alan Agresti, Visiting Professor of Statistics (*University of Florida*)

Edoardo Maria Airoidi, Assistant Professor of Statistics

Joseph K. Blitzstein, Assistant Professor of Statistics (*Co-Director of Undergraduate Studies*)

Tirthankar Dasgupta, Assistant Professor of Statistics

Mark E. Glickman, Visiting Associate Professor of Statistics (*Boston University*)

S.C. Samuel Kou, Professor of Statistics (*Co-Director of Graduate Studies*)

Yoonjung Lee, Assistant Professor of Statistics

Julia Yi-Hsin Lin, Lecturer on Statistics (*Medical School*)

Jun S. Liu, Professor of Statistics

Carl N. Morris, Professor of Statistics (*Co-Director of Graduate Studies*)



Donald B. Rubin, John L. Loeb Professor of Statistics

Kenneth E. Stanley, Lecturer on Statistics (*FAS*) and Lecturer on Biostatistics (*Public Health*)

Other Faculty Offering Instruction in the Department of Statistics

Arthur P. Dempster, Research Professor of Theoretical Statistics

Daniel James Greiner, Assistant Professor of Law (*Law School*)

David P. Harrington, Professor of Biostatistics (*Public Health*) (*Co-Director of Undergraduate Studies*)

Guido W. Imbens, Professor of Economics (*on leave spring term*)

Xiaole Shirley Liu, Associate Professor of Biostatistics (*Public Health*)

Bernard Rosner, Professor of Medicine (*Medical School, Public Health*)

Patrick J. Wolfe, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

Alan M. Zaslavsky, Professor of Health Care Policy (*Medical School*)

The Statistics Department offers four courses at the introductory level (below Statistics 110), Statistics 100, 101, 102 and 104. All provide an introduction to statistics for students who have minimal or no previous course work in statistics. These four courses cover common core material in statistical inference, but differ in the amount of emphasis placed on different application areas and techniques. The Department also offers an intermediate course (Statistics 105) below Statistics 110 for which any of the four introductory courses may serve as a prerequisite.

Statistics 100 provides a general introduction to statistics for students concentrating in the humanities, the social sciences or those who are undecided about their concentration. Statistics 100 emphasizes the underlying ideas of probability and statistical inference, including multiple regression, and illustrates the use of statistics across a wide range of disciplines. Statistics 101 emphasizes analysis of variance and other topics commonly used in experimental psychology.

Students planning to concentrate in Psychology are encouraged to enroll in Statistics 101. Statistics 102 introduces material typically used in biomedical research and epidemiology and is intended for students planning to attend medical school. Statistics 104 emphasizes techniques used in economics and finance, including multiple regression, and the analysis of categorical data. Statistics 104 moves at a faster pace than 100, 101 or 102, and is the preferred first course for students intending to concentrate in Economics.

Statistics 105 is a second course in statistics for students wishing to explore in more depth statistical applications to problems that arise in everyday life, such as the evaluation of new drugs or in matching algorithms used by on-line dating services. Students work in teams on a substantive problem and learn to write a scientific proposal, design an experiment, analyze and present results.

Statistics 101 and 104 will be accepted as fulfilling any requirement or prerequisite that is fulfilled by Statistics 100. Consult the Statistics Department or your tutorial office for more information about courses that satisfy your concentration requirements and for guidance on



selecting a course. More detailed information can be accessed at the Statistics Department website: www.stat.harvard.edu.

Primarily for Undergraduates

***Statistics 91r. Supervised Reading and Research**

Catalog Number: 6641

Joseph K. Blitzstein, David P. Harrington, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Normally may not be taken more than twice; may be counted for concentration in Statistics, if taken for graded credit; may be taken in either term; for further information consult Co-Directors of Undergraduate Studies.

***Statistics 99hf. Tutorial — Senior Year**

Catalog Number: 4381

Joseph K. Blitzstein, David P. Harrington, and members of the Department

Half course (throughout the year). Hours to be arranged.

The systematic application of statistical ideas to a problem area.

Note: In exceptional circumstances, may be taken as a half course in the spring term only; for further information consult Co-Directors of Undergraduate Studies.

For Undergraduates and Graduates

Statistics 100. Introduction to Quantitative Methods for the Social Sciences and Humanities

Catalog Number: 3808

Mark E. Glickman (Boston University) (fall term) and David P. Harrington (Public Health) (spring term)

Half course (fall term; repeated spring term). Fall: M., W., F., at 10, and weekly sections to be arranged; Spring: M., W., F., at 11, and weekly sections to be arranged. EXAM GROUP: Fall: 3; Spring: 4

Introduction to key ideas underlying statistical and quantitative reasoning. Topics covered: methods for organizing, summarizing and displaying data; elements of sample surveys, experimental design and observational studies; methods of parameter estimation and hypothesis testing in one- and two-sample problems; regression with one or more predictors; correlation; and analysis of variance. Explores applications in a wide range of fields, including the social and political sciences, medical research, and business and economics.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Statistics 101. Introduction to Quantitative Methods for Psychology and the Behavioral Sciences

Catalog Number: 5128

Alan Agresti (University of Florida) (fall term) and Julia Yi-Hsin Lin (Medical School) (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 2:30–4; Spring: Tu., Th., 11:30–1. EXAM GROUP: Fall: 16, 17; Spring: 13, 14



Similar to Stat 100, but emphasizes concepts and practice of statistics used in psychology and other behavioral sciences. Topics covered: measures of central tendency and variability; development of scales used in behavioral sciences; probability; correlation and regression; estimation and hypothesis testing; analysis of variance; and chi-square tests for cross-classified data. Emphasis on translation of research questions into statistically testable hypotheses and interpretation of results in context of original research questions.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Statistics 102. Fundamentals of Biostatistics

Catalog Number: 0266

Bernard Rosner (Medical School, Public Health)

Half course (fall term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

An introduction to statistical methods used in biological and medical research. Elementary probability theory, basic concepts of statistical inference, sampling theory, regression and correlation methods, analysis of variance, and study design. Emphasis on applications to medical problems.

Note: Primarily for undergraduates with medical or biological interests. When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Statistics 104. Introduction to Quantitative Methods for Economics

Catalog Number: 4582

Kenneth E. Stanley (FAS, Public Health)

Half course (fall term; repeated spring term). Lecture 1: M., W., F., at 11; Lecture 2: M., W., F., at 1, and weekly sections to be arranged. EXAM GROUP: 4

Similar to Stat 100, but emphasizes applications in fields including, but not limited to, economics, health sciences and policy analysis. Topics covered: descriptive and summary statistics for both measured and counted variables; elements of experimental and survey design; probability; and statistical inference including estimation and tests of hypotheses as applied to one- and two-sample problems, multiple regression, correlation, and analysis of variance. Taught at a slightly higher level than Stat 100 and 101.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Statistics 105. Real-Life Statistics: Your Chance for Happiness (or Misery)

Catalog Number: 8782

Xiao-Li Meng

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Discover an appreciation of statistical principles and reasoning via "Real-Life Modules" that can make you rich or poor (financial investments), loved or lonely (on-line dating), healthy or ill (clinical trials), satisfied or frustrated (chocolate/wine tasting) and more. Designed for those for whom this could be their last statistics course or those who want to be inspired to learn more from a subject that can intimately affect their chance for happiness (or misery) in life.

Note: This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.



Prerequisite: Stat 100 or equivalent or another course in statistics with permission of the instructor.

Statistics 110. Introduction to Probability

Catalog Number: 0147

Joseph K. Blitzstein

Half course (fall term). M., W., F., at 12, and a weekly section to be arranged. EXAM GROUP: 5

A comprehensive introduction to probability. Basics: sample spaces and events, conditional probability, and Bayes' Theorem. Univariate distributions: density functions, expectation and variance, Normal, t, Binomial, Negative Binomial, Poisson, Beta, and Gamma distributions. Multivariate distributions: joint and conditional distributions, independence, transformations, and Multivariate Normal. Limit laws: law of large numbers, central limit theorem. Markov chains: transition probabilities, stationary distributions, convergence.

Note: When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 19a or equivalent or above required (may be taken concurrently), Mathematics 19b or equivalent or above recommended.

Statistics 111. Introduction to Theoretical Statistics

Catalog Number: 1836

S.C. Samuel Kou

Half course (spring term). Tu., Th., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 15, 16

Basic concepts of statistical inference from frequentist and Bayesian perspectives. Topics include maximum likelihood methods, confidence and Bayesian interval estimation, hypothesis testing, least squares methods and categorical data analysis.

Prerequisite: Mathematics 19a and 19b or equivalent and Statistics 110.

Statistics 115. Introduction to Computational Biology and Bioinformatics

Catalog Number: 9776

Xiaole Shirley Liu (Public Health) and Jun S. Liu

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic problems, algorithms and data analysis approaches in computational biology. Topics include sequence alignment, genome sequencing and gene finding, gene expression microarray analysis, transcription regulation and sequence motif finding, comparative genomics, RNA/protein structure prediction, proteomics and SNP analysis. Computational algorithms covered include hidden Markov model, Gibbs sampler, clustering and classification methods.

Prerequisite: Good quantitative skills, strong interest in biology, willingness and diligence to learn programming.

[Statistics 120. Intermediate Biostatistical Methods]

Catalog Number: 7200

Bernard Rosner (Medical School, Public Health)

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

A survey of multivariable methods used in medical and biological research. A review of



univariate inference, multiple regression, analysis of variance, nonparametric methods, logistic regression, elements of study design, survival analysis, and selected special topics in biostatistics. Emphasis on application to medical problems.

Note: Expected to be given in 2009–10. Primarily for undergraduates with medical or biological interests.

Prerequisite: Either Statistics 100, 102, 104, or Statistics 110, 111.

Statistics 131. Time Series Analysis and Forecasting

Catalog Number: 8291

Tirthankar Dasgupta

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to time series models and associated methods of data analysis and inference. Auto regressive (AR), moving average (MA), ARMA, and ARIMA processes, stationary and non-stationary processes, seasonal processes, auto-correlation and partial auto-correlation functions, identification of models, estimation of parameters, diagnostic checking of fitted models, forecasting, spectral analysis, and transfer function models.

Prerequisite: Statistics 111 and 139 or equivalent.

Statistics 135. Statistical Computing Software

Catalog Number: 3451

Steven Richard Finch

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An introduction to major statistics packages used in academics and industry (SAS and R). Will discuss data entry and manipulation, implementing standard analyses and graphics, exploratory data analysis, simulation-based methods, and new programming methods.

Prerequisite: Statistics 100 or 139 (may be taken concurrently) or with permission of instructor.

Statistics 139. Statistical Sleuthing Through Linear Models

Catalog Number: 1450

Richard J. Cleary

Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

A serious introduction to statistical inference where linear models and related methods are used. Topics include the pros and cons of t-tools and their alternatives, multiple-group comparisons, linear regressions, model checking and refinement. Emphasis on statistical thinking and tools for real-life problems, application to current events whenever relevant.

Prerequisite: Statistics 100 or equivalent and Mathematics 19a and 19b or equivalent.

Statistics 140. Design of Experiments

Catalog Number: 7112

Tirthankar Dasgupta

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Statistical designs for efficient experimentation in physical, chemical, biological, social and management sciences and in engineering. A systematic approach to explore input-output relationships by deliberately manipulating input variables. Topics include analysis of variance, completely randomized and randomized block designs, Latin square designs, balanced



incomplete block designs, factorial designs, confounding in blocks, fractional replications, orthogonal arrays, and response surface designs. Each topic is motivated by a real-life example.
Prerequisite: Statistics 100 or equivalent and Mathematics 19a and 19b.

Statistics 149. Statistical Sleuthing through Generalized Linear Models

Catalog Number: 6617

Richard J. Cleary and Xiao-Li Meng

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

A sequel to Statistics 139, emphasizing common methods for analyzing categorical data. Topics include mixed effects model, contingency tables, log-linear models, logistic, Probit and Poisson regression, model selection, and model checking. Examples will be drawn from several fields, particularly from biology and social sciences.

Prerequisite: Statistics 139 or permission of instructor.

[Statistics 155. Spatial Statistics for Social Inquiry and Health Research]

Catalog Number: 1993

Christopher J. Paciorek (Public Health) and Louise M. Ryan (Public Health)

Half course (spring term). Hours to be arranged.

Introduction to spatial statistics as applied to social science and public health. Emphasizes analysis and visualization methods for areal data, geostatistical data, and point processes.

Practical focus on case studies, guest lectures, and student projects.

Note: Expected to be given in 2009–10. Basic GIS skills will be covered in a short module.

Offered jointly with the School of Public Health as BIO 283. May not be taken for credit if Biostatistics 283 has already been taken. May not be taken concurrently with Biostatistics 283.

Prerequisite: Coursework or equivalent experience in regression at the level of Statistics 139 or 149, Economics 1123, Psychology 1951, Biostatistics 210, 211, or 213, and coursework or equivalent experience in statistical programming such as Statistics 135 or Biostatistics 503 or permission of instructors. Prerequisites are guidelines and students are encouraged to consult instructors.

[Statistics 160. Design and Analysis of Sample Surveys]

Catalog Number: 2993

Alan M. Zaslavsky (Medical School)

Half course (fall term). Hours to be arranged.

Methods for design and analysis of sample surveys. The toolkit of sample design features and their use in optimal design strategies. Sampling weights and variance estimation methods, including resampling methods. Brief overview of nonstatistical aspects of survey methodology such as survey administration and questionnaire design and validation (quantitative and qualitative). Additional topics: calibration estimators, variance estimation for complex surveys and estimators, nonresponse, missing data, hierarchical models, and small-area estimation.

Note: Expected to be given in 2009–10.

Prerequisite: Statistics 111 or 139 or permission of instructor.

Statistics 170. Introduction to Quantitative Methods in Finance

Catalog Number: 1202

Yoonjung Lee



Half course (spring term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Introduces stochastic analysis tools to be used as a basis for developing continuous-time asset pricing theory. Various quantitative methods widely used in the financial industry for valuing derivative products will be presented: binomial-tree valuation methods, extensions of the Black-Scholes option pricing formula, numerical techniques for solving partial differential equations, and Monte Carlo simulations.

Prerequisite: Statistics 110 and 111 or equivalent.

Statistics 171. Introduction to Stochastic Processes

Catalog Number: 4180

Jun S. Liu

Half course (spring term). Tu., Th., 2:30–4, and a weekly section to be arranged. EXAM GROUP: 16, 17

An introductory course in stochastic processes. Topics include Markov chains, branching processes, Poisson processes, birth and death processes, Brownian motion, martingales, introduction to stochastic integrals, and their applications.

Prerequisite: Statistics 110 or equivalent.

Primarily for Graduates

Statistics 210. Probability Theory

Catalog Number: 2487

Carl N. Morris and Joseph K. Blitzstein

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Random variables, measure, representations. Families of distributions: Multivariate Normal, conjugate, marginals, mixtures. Conditional distributions and expectation. Convergence, laws of large numbers, and central limit theorems. Markov chains and martingales.

Prerequisite: Statistics 110 or equivalent required; Statistics 111 or equivalent recommended.

Statistics 211. Statistical Inference

Catalog Number: 1946

Carl N. Morris

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Inference: frequency, Bayes, decision analysis, foundations. Likelihood, sufficiency, and information measures. Models: Normal, exponential families, multilevel, and non-parametric. Point, interval and set estimation; hypothesis tests. Computational strategies, large and moderate sample approximations.

Prerequisite: Statistics 111 and 210 or equivalent.

[Statistics 212. Probability and Mathematical Statistics III: Special Topics]

Catalog Number: 7864

Half course (fall term). F., 2–5. EXAM GROUP: 7, 8, 9

Contemporary probabilistic techniques for analysis of stochastic processes commonly used in applied probability. Studies functional weak convergence analysis and large deviations results



(both for light and heavy-tailed systems). Applications: Queueing, Risk Theory, Finance, and Biology.

Note: Expected to be given in 2009–10.

Statistics 220. Bayesian Data Analysis

Catalog Number: 6270

Donald B. Rubin and S.C. Samuel Kou

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Basic Bayesian models, followed by more complicated hierarchical and mixture models with nonstandard solutions. Includes methods for monitoring adequacy of models and examining sensitivity of models.

Note: Emphasis throughout term on drawing inferences via computer simulation rather than mathematical analysis.

Prerequisite: Statistics 110 and 111.

Statistics 221. Applied Bayesian Statistical Computing

Catalog Number: 5959

Jun S. Liu

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Computing methods commonly used in statistics: Generation of random numbers, Monte Carlo methods, optimization methods, numerical integration and advanced Bayesian computational tools such as the Gibbs sampler, Metropolis Hastings, method of auxiliary variables, marginal and conditional data augmentation, slice sampling, exact sampling and reversible jump MCMC.

Note: Computer programming exercises will apply the methods discussed in class.

Prerequisite: Linear algebra, Statistics 111, and knowledge of a computer programming language required; Statistics 220 recommended.

[Statistics 225. Spatial Statistics]

Catalog Number: 6499

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to three types of spatial data: point pattern, geospatial, and lattice. For each type of data, presentation and application of statistical and computational methods for description, modeling, and analysis.

Note: Expected to be given in 2009–10.

Statistics 230. Multivariate Statistical Analysis

Catalog Number: 5206

Edoardo Maria Airolidi

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Multivariate inference and data analysis. Advanced matrix theory and distributions, including Multivariate Normal, Wishart, and multilevel models. Supervised learning: multivariate regression, classification, and discriminant analysis. Unsupervised learning: dimension reduction, principal components, clustering, and factor analysis.

Prerequisite: Statistics 211 or equivalent.



Statistics 231. Time Series Analysis and Forecasting

Catalog Number: 7537

Tirthankar Dasgupta

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Meets with Statistics 131, but graduate students will be exposed to a more rigorous treatment of time series analysis.

Prerequisite: Statistics 111 and 139 or equivalent.

[Statistics 233. Matched Sampling]

Catalog Number: 4036

Donald B. Rubin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course provides an accessible introduction to the study of matched sampling in economics, education, epidemiology, medicine, political science, psychology, sociology, statistics, or any field conducting empirical research to evaluate the causal effects of interventions.

Note: Expected to be given in 2009–10.

Statistics 239. Statistical Sleuthing Through Linear Models

Catalog Number: 8433

Richard J. Cleary

Half course (fall term). Tu., Th., 10–11:30 and a weekly section to be arranged. EXAM GROUP: 12, 13

Meets with Statistics 139, but graduate students will be required to complete additional assignments designed to cover theoretical aspects of regression analysis.

[Statistics 245. Statistics and Litigation]

Catalog Number: 3488

Daniel James Greiner (Law School)

Half course (spring term). Tu., Th., 5–6:30. EXAM GROUP: 18

Students work in teams with law students to analyze data, prepare expert reports, and give testimony. Course teaches how to analyze data, present results to untrained but intelligent users, and defend conclusions.

Note: Expected to be given in 2009–10.

Prerequisite: A graduate course in data analysis, such as Statistics 220, Government 2001, or Economics 2120

Statistics 249. Statistical Sleuthing Through Generalized Linear Models

Catalog Number: 3987

Richard J. Cleary and Xiao-Li Meng

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Meets with Statistics 149, but graduate-level covers supplementary topics such as Bayesian analysis for generalized linear models and generalized mixed effect models. Requires extra homework and examination problems in addition to those for Statistics 149.

Prerequisite: Statistics 139, Statistics 220 or Statistics 221, or by permission of instructor.



Statistics 270. Introduction to Quantitative Methods in Finance

Catalog Number: 3518

Yoonjung Lee

Half course (spring term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM

GROUP: 12, 13

Meets with Statistics 170, but graduate students will be exposed to a more rigorous treatment of stochastic calculus.

Prerequisite: Statistics 110 and 171 or equivalent.

Cross-listed Courses

Biostatistics 244. Analysis of Failure Time Data

[*Biostatistics 250. Probability Theory and Applications II]

Economics 1127. Statistical Methods for Evaluating Causal Effects

***Government 3009. Research Workshop in Applied Statistics**

Graduate Courses of Reading and Research

***Statistics 301. Special Reading and Research**

Catalog Number: 4474

Joseph K. Blitzstein 5588, Tirthankar Dasgupta 5765, Arthur P. Dempster 2345, S.C. Samuel Kou 4054, Yoonjung Lee 5300, Jun S. Liu 3760, Xiao-Li Meng 4023, Carl N. Morris 2178, Bernard Rosner (Medical School, Public Health) 4018, Donald B. Rubin 7966, Patrick J. Wolfe 5144, and Alan M. Zaslavsky (Medical School) 1927

Half course (fall term; repeated spring term). Hours to be arranged.

***Statistics 302. Direction of Doctoral Dissertations**

Catalog Number: 3382

Joseph K. Blitzstein 5588, Tirthankar Dasgupta 5765, Arthur P. Dempster 2345, S.C. Samuel Kou 4054, Yoonjung Lee 5300, Jun S. Liu 3760, Xiao-Li Meng 4023, Carl N. Morris 2178, Bernard Rosner (Medical School, Public Health) 4018, Donald B. Rubin 7966, Patrick J. Wolfe 5144, and Alan M. Zaslavsky (Medical School) 1927

Half course (fall term; repeated spring term). Hours to be arranged.

***Statistics 303hf. The Art and Practice of Teaching Statistics**

Catalog Number: 3545

Xiao-Li Meng 4023 and Joseph K. Blitzstein 5588

Half course (throughout the year). M., 10–12.

Required of all first-year doctoral students in Statistics.

***Statistics 310hfr. Topics in Astrostatistics**

Catalog Number: 2105

Xiao-Li Meng 4023

Half course (throughout the year). Tu., 11:30–1.



[*Statistics 311. Monte Carlo Methods in Scientific Computing]

Catalog Number: 0826

Jun S. Liu 3760

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Prerequisite: Statistics 220 or equivalent.

***Statistics 321. Stochastic Modeling and Bayesian Inference**

Catalog Number: 4060

S.C. Samuel Kou 4054

Half course (spring term). Hours to be arranged.

Stochastic processes and their applications in biological, chemical and financial modeling.

Bayesian inference about stochastic models based on the Monte Carlo sampling approach.

***Statistics 324r. Parametric Statistical Inference and Modeling**

Catalog Number: 3366

Carl N. Morris 2178

Half course (spring term). Th., 3–5.

Theory of multi-level parametric models, including hidden Markov models, and applications likely to include biostatistics, health services, education, and sports.

***Statistics 332. Topics in Missing Data**

Catalog Number: 9483

Donald B. Rubin 7966

Half course (fall term). Hours to be arranged.

***Statistics 340. Random Network Models**

Catalog Number: 1650

Joseph K. Blitzstein 5588

Half course (spring term). Hours to be arranged.

Random graph models for biological, social, and information networks, including fixed degree, exponential, power law, small world, and geometric random graphs. Estimation and sampling methods for network data.

***Statistics 341. Advanced Topics in Experimental Design - (New Course)**

Catalog Number: 9827

Tirthankar Dasgupta 5765

Half course (fall term). W., 2–4.

***Statistics 370. Topics in Empirical Finance**

Catalog Number: 3593

Yoonjung Lee 5300

Half course (spring term). M., 2:30–4.

Exposes students to a variety of topics in Empirical Finance, including high frequency data analysis, high-dimensional volatility estimation, continuous-time stochastic modeling, and non-linear filtering.



***Statistics 385. Topics in Statistical Machine Learning - (New Course)**

Catalog Number: 0512

Edoardo Maria Airoidi 6132

Half course (spring term). W., 2:30–5:30.

Hands-on introduction to concepts and computations central to cutting-edge research, including sparse learning in high dimensions, semi-supervised learning strategies, structured predictions, approximate inference strategies in probabilistic graphical models, and statistical elements of graph data analysis.

***Statistics 399hf. Problem Solving in Statistics**

Catalog Number: 1035

Carl N. Morris 2178

Half course (throughout the year). W., 4:30–6.

Aimed principally at helping Statistics PhD students beyond their first year transition through the qualifying exams into research.

Stem Cell and Regenerative Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Stem Cell and Regenerative Biology (FAS, HMS)

William J. Anderson, Lecturer on Stem Cell & Regenerative Biology

Paola Arlotta, Assistant Professor of Stem Cell and Regenerative Biology, Assistant Professor of Surgery (*Medical School*)

Chad A. Cowan, Assistant Professor of Stem Cell and Regenerative Biology, Assistant Professor of Medicine (*Medical School*)

Kevin C. Eggen, Assistant Professor of Stem Cell and Regenerative Biology (*Co-Head Tutor*)

Konrad Hochedlinger, Assistant Professor of Stem Cell and Regenerative Biology, Assistant Professor of Medicine (*Medical School*)

Alexander Meissner, Assistant Professor of Stem Cell and Regenerative Biology

Lee L. Rubin, Senior Lecturer on Stem Cell and Regenerative Biology

Amy J. Wagers, Assistant Professor of Stem Cell and Regenerative Biology

Other Faculty Offering Instruction in Stem Cell and Regenerative Biology

Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences, Harvard College Professor (*Co-Chair, Co-Head Tutor*)

David T. Scadden, Gerald and Darlene Jordan Professor of Medicine (*Medical School*) (*Co-Chair*)



Kenneth R. Chien, Charles Addison & Elizabeth Ann Sanders Professor of Medicine (*Medical School*)

George Q. Daley, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

D. Gary Gilliland, Professor of Medicine (*Medical School*)

Jeffrey D. Macklis, Professor of Surgery and Neurology (*Medical School*)

Andrew P. McMahon, Frank B. Baird, Jr. Professor of Science (*on leave 2008-09*)

Leonard I. Zon, Grousbeck Professor of Pediatrics (*Medical School*)

For Undergraduate and Graduates

SCRB 125 (formerly MCB 125). Cloning, Regeneration, and Reprogramming

Catalog Number: 5481

Konrad Hochedlinger (Medical School), William J. Anderson, and David T. Scadden (Medical School)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course will focus on the biology of organismal cloning, cellular reprogramming, developmental plasticity, and animal regeneration after injury, including classical experiments in amphibia and planaria. The role that stem cells play in these processes and the genetic and molecular circuitry that underlie developmental potency and reprogramming will be discussed.

Prerequisite: LS1a, LS1b, MCB 52, or MCB 54, or permission of the instructor. MCB 118 is an ideal preparation.

SCRB 165. Directed Differentiation of Stem Cells - (New Course)

Catalog Number: 9605 Enrollment: Limited to 10.

Chad A. Cowan (Medical School)

Half course (spring term). Th., 1–4; W., at 3. EXAM GROUP: 15, 16, 17

This practical laboratory course will investigate the fundamental biology of human embryonic stem cells and their remarkable capacity to differentiate into all cells of the body. The underlying developmental pathways that guide embryonic stem cell development into these differentiated cell types will be explored. A chemical biology approach will also be used to probe properties of normal and disease model cells derived from embryonic stem cells.

Prerequisite: LS1a or permission of instructor.

SCRB 167. What does Human Disease Teach Us About Mammalian Biology? - (New Course)

Catalog Number: 9556 Enrollment: Limited to 10. For advanced students only, seniors and qualified juniors.

George Q. Daley (Medical School), Kenneth R. Chien (Medical School), D. Gary Gilliland (Medical School), David T. Scadden (Medical School), and Leonard I. Zon (Medical School)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Stem cells are the basis for tissue maintenance and repair, thus, are essential elements of normal organ and tissue physiology. Stem cells are also targets for disease processes and through transplantation are important therapeutic agents. This course will allow advanced undergraduates to explore how stem cells and tissue regeneration impact human disease pathogenesis and how stem cells might be exploited to advance new therapies for disease.



Note: Two hour clinical: Thursday at Children's Hospital Boston, 7th Floor Karp Building, Conference Rm. One hour discussion section immediately following.

Prerequisite: LS1a, LS1b, MCB 52, or MCB 54.

SCRB 190. Understanding Aging: Degeneration, Regeneration, and the Scientific Search for the Fountain of Youth - (New Course)

Catalog Number: 1207

Amy J. Wagers and Lee L. Rubin

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This lecture and discussion course will explore the fundamental molecular and cellular mechanisms that govern organismal aging and contemporary strategies to delay or reverse this process.

Prerequisite: LS1a, LS1b, or MCB 54.

Cross-listed Courses

[*Chemistry 185 (formerly *Chemistry 285). Molecular Pathophysiology and Pharmacology of Human Disease]

[Chemistry 192. Principles of Drug Discovery and Development]

Government 1093. Ethics, Biotechnology, and the Future of Human Nature

Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature

[*MCB 118. From Egg to Embryo to Organ]

[MCB 141. Molecular and Developmental Neurobiology]

MCB 150. Developmental Genetics and Genomics

Primarily for Graduates

Cross-listed Courses

MCB 234. Cellular Metabolism and Human Disease

Systems Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Systems Biology

Pamela A. Silver, Professor of Systems Biology (*Medical School*) (*Chair*)

Debra T. Auguste, Assistant Professor of Biomedical Engineering on the Gordon McKay



Endowment, Tutor in Biochemical Sciences

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics

Martha L. Bulyk, Associate Professor of Medicine and Health Sciences and Technology and of Pathology (*Medical School*)

Lewis C. Cantley, William Bosworth Castle Professor of Medicine and Professor of Systems Biology (*Medical School*)

George M. Church, Professor of Genetics (*Medical School*)

Philippe Cluzel, Professor of Molecular and Cellular Biology and Gordon McKay Professor of Applied Physics

Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics

Vladimir Denic, Assistant Professor of Molecular and Cellular Biology

Angela DePace, Assistant Professor of Systems Biology (*Medical School*)

Catherine Dulac, Higgins Professor of Molecular and Cellular Biology

Walter Fontana, Professor of Systems Biology (*Medical School*)

Melissa Franklin, Mallinckrodt Professor of Physics

Jeremy M. Gunawardena, Senior Lecturer on Systems Biology (*Medical School*)

Marc W. Kirschner, Carl W. Walter Professor of Systems Biology (*Medical School*)

Roy Kishony, Associate Professor of Systems Biology (*Medical School*)

Galit Lahav, Assistant Professor of Systems Biology (*Medical School*)

Eric S. Lander, Professor of Systems Biology (*Medical School*)

Richard M. Losick, Maria Moors Cabot Professor of Biology

Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology

L. Mahadevan, Lola England Professor of Applied Mathematics

Christopher Marx, Assistant Professor of Organismic and Evolutionary Biology

Sean G. Megason, Assistant Professor of Systems Biology (*Medical School*)

Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)

Vamsi K. Mootha, Assistant Professor of Systems Biology and Assistant Professor of Medicine (*Medical School*)

Andrew W. Murray, Herchel Smith Professor of Molecular Genetics

Radhika Nagpal, Assistant Professor of Computer Science on the Gordon McKay Endowment

Daniel Joseph Needleman, Assistant Professor of Applied Physics (*SEAS*) and of Molecular and Cellular Biology (*FAS*)

Martin A. Nowak, Professor of Mathematics and of Biology

Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology

Kevin K. Parker, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment (*on leave spring term*)

Johan M. Paulsson, Assistant Professor of Systems Biology (*Medical School*)

Sharad Ramanathan, Assistant Professor of Molecular and Cellular Biology (*FAS*), and of Applied Physics (*SEAS*)

Aviv Regev, Assistant Professor of Biology (*Broad Institute, MIT*)

Frederick P. Roth, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Pardis Sabeti, Assistant Professor of Organismic and Evolutionary Biology, Tutor in Biochemical Sciences

Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology



Alexander F. Schier, Professor of Molecular and Cellular Biology
 Brian Seed, Professor of Genetics and Professor of Health Sciences and Technology (*Medical School*)
 Jagesh V. Shah, Assistant Professor of Systems Biology, of Medicine, and of Health Sciences and Technology (*Medical School*)
 William Shih, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Peter K. Sorger, Professor of Systems Biology (*Medical School*)
 Jack Szostak, Professor of Genetics (*Medical School*)
 Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Ralph Weissleder, Professor of Radiology (*Medical School*)
 David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics (*on leave 2008-09*)
 Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology
 Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Systems Biology students should consult course listings from the departments of Biological Sciences, Biophysics, Chemistry, the School of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Sciences, Engineering Sciences), and the School of Medical Sciences.

Cross-Listed Courses for Undergraduates and Graduates

[Applied Mathematics 115. Mathematical Modeling](#)
[Applied Mathematics 147. Nonlinear Dynamical Systems](#)
[Biophysics 170. Quantitative Genomics](#)
[Biophysics 242r. Special Topics in Biophysics](#)
[Chemistry 60. Foundations of Physical Chemistry]
[Chemistry 161. Statistical Thermodynamics](#)
[Chemistry 163. Frontiers in Biophysics](#)
[Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty](#)
[Engineering Sciences 145. Physiological Systems Analysis](#)
[Engineering Sciences 156. Signals and Systems](#)
[Mathematics 106. Ordinary Differential Equations]
[Mathematics 153. Mathematical Biology-Evolutionary Dynamics](#)
[MCB 111 \(formerly MCB 211\). Mathematics in Biology](#)
[*MCB 155. Molecular Mechanisms of Gene Control](#)
[*MCB 173. Optical Imaging in the Biological Sciences](#)
[MCB 195. Foundations of Systems Biology and Biological Engineering](#)
[OEB 181. Systematics](#)
[OEB 192. Microbial Evolution](#)
[Physics 140. Introduction to Biophysics]
[Physics 181. Statistical Mechanics and Thermodynamics](#)

Primarily for Graduates



Systems Biology 200 (formerly Systems Biology 101). A Systems Approach to Biology

Catalog Number: 8701

Walter Fontana (Medical School), Jeremy M. Gunawardena (Medical School), and Johan M. Paulsson (Medical School)

Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

How do the interactions of molecules and cells allow for the complex behavior of organisms? Quantitative techniques and modeling can shed light on this question. Introduces theory and computation in the context of biological problems.

Note: The course will include an introduction to the use of MATLAB for model-building.

Prerequisite: Mathematics 1b required, and MCB 54 or MCB 56 recommended.

Systems Biology 201. Seminar in Systems Biology

Catalog Number: 5148

Timothy J. Mitchison (Medical School)

Half course (spring term). M., W., 2-3:30. EXAM GROUP: 7, 8

This course will examine concepts and methods in systems biology. We will follow the development of the field and the current thinking through paper reading, discussion and lecture.

Cross-Listed Courses Primarily for Graduates

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

Biophysics 204. Structural Biology From Molecules to Cells

Biophysics 205. Computational and Functional Genomics

Biophysics 242r. Special Topics in Biophysics

Cell Biology 201. Molecular Biology of the Cell

Chemical Biology 2100. Introduction to Chemical Biology I

***Engineering Sciences 222. Advanced Cellular Engineering**

Genetics 201. Principles of Genetics

Mathematics 243 (formerly Mathematics 234). Evolutionary Dynamics

MCB 212. Topics in Biophysics

Microbiology 200. Molecular Microbiology and Pathogenesis

[OEB 279. Topics in Microbial Metabolic Systems]

Graduate Courses of Reading and Research

***Systems Biology 300hf. Introduction to Systems Biology Research**

Catalog Number: 4103

Pamela A. Silver (Medical School) 1595

Half course (throughout the year). M., 6-7:30 p.m.

Introductory lectures introduce the research areas of current program faculty in systems biology.

[*Systems Biology 301. Special Topics in Systems Biology]

Catalog Number: 8834



Half course (fall term). Hours to be arranged.

An exploration of new directions for the field of systems biology. We will identify major unsolved questions in biology and discuss possible new approaches to these questions offered by systems biology.

Note: Expected to be given in 2009–10.

***Systems Biology 350. Systems Biology Research**

Catalog Number: 8370

Pamela A. Silver (Medical School) 1595 and members of the Committee

Upper level Systems Biology students register for this course when they permanently join a lab.

Students should register under the supervising PI.

***Systems Biology 399. Introduction to Systems Biology: Rotations**

Catalog Number: 5863

Pamela A. Silver (Medical School) 1595

Half course (fall term; repeated spring term). Hours to be arranged.

The course will introduce the research areas of faculty performing research in systems biology.

Intended for Systems Biology lab rotations.

Cross-Listed Graduate Courses of Reading and Research

***Computer Science 307,308. Biologically-Inspired Multi-Agent Systems, Distributed Systems, and Computational Biology**

Ukrainian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Ukrainian Studies

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*Chair*)

Patricia R. Chaput, Professor of the Practice of Slavic Languages

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies

Grzegorz Ekiert, Professor of Government

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature

Terry D. Martin, George F. Baker III Professor of Russian Studies

Serhii Plokhii, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History

The Standing Committee on Ukrainian Studies oversees the systematic study in Ukrainian fields



throughout the departments of the Faculty of Arts and Sciences. Students wishing to obtain a doctorate in a particular discipline of Ukrainian Studies, such as language, literature, history, or politics should first fulfill all the requirements of the department of their scholarly discipline (departments of Slavic Languages and Literatures, Linguistics, History, or Government): they may then proceed to the fulfillment of specific qualifications in the Ukrainian aspect of their disciplines under the supervision of the Committee's faculty. Graduate students may also focus on Ukrainian Studies in the Degree of Master of Arts in Regional Studies - Russia, Eastern Europe, and Central Asia. The weekly Seminar in Ukrainian Studies serves as an interdisciplinary introduction to all aspects of Ukrainian disciplines; it is open for enrollment to graduate students, and with permission to undergraduates.

The Ukrainian Research Institute sponsors programs, events and activities of interest to both students and specialists in Ukrainian Studies. Specific questions concerning the program of Ukrainian Studies at Harvard may be addressed to the Programs Administrator of the Ukrainian Research Institute at 34 Kirkland Street, Cambridge, MA 02138.

Primarily for Graduates

***Ukrainian 200. Ukrainian Studies: Seminar**

Catalog Number: 7927

Michael S. Flier, George G. Grabowicz, Serhii Plokhii (fall term), and staff

Full course. M., 4–6. EXAM GROUP: 9

Interdisciplinary seminar in Ukrainian studies with broad regional and comparative perspective. Faculty and invited scholars discuss a variety of topics in the humanities and social sciences. Background readings and follow-up discussions help students put the specific lectures in broader context. Students also conduct an individually tailored reading and research project under the guidance of a faculty advisor and in consultation with other resident specialists.

Courses of Interest

Government 1203. Capitalism and Democracy in Central and Eastern Europe

***History 72f (formerly *History 1529). East European Identities: Russia and Ukraine**

***History 82f. The Origins of the Cold War: The Yalta Conference (1945) - (New Course)**

History 1114 (formerly History 1514). Early Modern Eastern Europe (1450-1795)

History 1270. Frontiers of Europe: Ukraine since 1500 - (New Course)

Linguistics 250. Old Church Slavonic

Linguistics 252. Comparative Slavic Linguistics

Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course

Slavic Ga. Beginning Ukrainian I

Slavic Gb. Beginning Ukrainian II

***Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian**

[Slavic 125. Modern Russian in Historical Perspective]

[Slavic 165. Survey of 19th-Century Ukrainian Literature]

[Slavic 223. 19th-Century Ukrainian Poetry]

Slavic 224. Pavlo Tychyna and His Age - (New Course)



[Slavic 291. Problems in the History of Early Ukrainian Literature](#)
[Slavic 292. 20th-Century Ukrainian Prose](#)

Visual and Environmental Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Visual and Environmental Studies

Marjorie Garber, William R. Kenan, Jr. Professor of English (*Chair*)
Drew Beattie, Lecturer on Visual and Environmental Studies
Sanford Biggers, Visiting Assistant Professor of Visual and Environmental Studies (*Virginia Commonwealth University*) (*spring term only*)
Dominique Bluher, Lecturer on Visual and Environmental Studies
Giuliana Bruno, Professor of Visual and Environmental Studies
Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology (*on leave spring term*)
Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures and of Visual and Environmental Studies
J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English (*Director of Undergraduate Studies for Film Studies, Acting Director of Undergraduate Studies, fall term*)
Taylor Davis, Visiting Associate Professor of Visual and Environmental Studies (*Massachusetts College of Art*) (*fall term only*)
Lee Grieveson, Visiting Associate Professor of Visual and Environmental Studies (*University College London*) (*fall term only*)
Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts
Gregory Ross Halpern, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
Sharon C. Harper, Assistant Professor of Visual and Environmental Studies
Lodge Kerrigan, Visiting Lecturer on Visual and Environmental Studies
Chris Killip, Professor of Visual and Environmental Studies
Damon Krukowski, Visiting Lecturer on Visual and Environmental Studies, Preceptor in Expository Writing
Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies (*on leave spring term*)
Annette Lemieux, Professor of the Practice of Studio Arts
Ruth S. Lingford, Professor of the Practice of Animation
David Lobser, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)
Catherine B. Lord, Shirley Carter Burden Visiting Professor of Photography (*University of California, Irvine*) (*fall term only*)
Scott MacDonald, Visiting Professor of Visual and Environmental Studies (*Hamilton College*)



(spring term only)

Mya M. Mangawang, Instructor in Visual and Environmental Studies

Ross McElwee, Professor of the Practice of Filmmaking

Helen Mirra, Associate Professor of Visual and Environmental Studies *(on leave 2008-09)*

Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts

Helen Molesworth, Senior Lecturer on Visual and Environmental Studies *(fall term only)*

Dean Moss, Visiting Lecturer on Visual and Environmental Studies *(spring term only)*

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking, Contin Ed/Spec Prog Instructor *(Director of Undergraduate Studies, spring term)*

Stephen Prina, Professor of Visual and Environmental Studies

Simon Pummell, Visiting Lecturer on Visual and Environmental Studies, Film Study Center Fellow *(fall term only)*

D. N. Rodowick, Professor of Visual and Environmental Studies

Amie Siegel, Assistant Professor of Visual and Environmental Studies

John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development

Other Faculty Offering Instruction in the Department of Visual and Environmental Studies

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature

Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures

The curriculum of the Department of Visual and Environmental Studies engages both practical and theoretical aspects of the built environment, digital media, drawing, film, painting, performance, photography, printmaking, sculpture, sound, video, and writing.

Most introductory-level courses are designated with two-digit course numbers and non-introductory courses with three-digit course numbers. The introductory course in Film Studies, *Literature and Arts B-11, The Art of Film*, can be found in the Literature and Arts B section in the *Courses of Instruction*. The department also offers 200-level courses for PhD students in the Film and Visual Studies graduate secondary field.

Tutorials or special research projects may be taken only if they have been approved by the Director of Undergraduate Studies. Application forms for all VES tutorials can be picked up in the VES Department Office or downloaded from the VES website at www.ves.fas.harvard.edu.

In addition to the studio and lecture courses taught by members of the faculty of Visual and Environmental Studies, the department encourages students to explore course opportunities at the MIT Institute for Advanced Visual Studies as well as the Harvard Graduate School of Design.

Each term the department sponsors a lecture series held at the Carpenter Center for the Visual Arts. These lectures are designed to augment and inform the curriculum of the department and are usually held on Thursday evenings.

For further information on the faculty and courses in the Department of Visual and Environmental Studies, requirements for concentration, as well as the Carpenter Center lecture



series, please contact the department office located on the 1st Floor of the Carpenter Center for the Visual Arts, 24 Quincy Street or visit our website at www.ves.fas.harvard.edu.

Primarily for Undergraduates

[*Visual and Environmental Studies 10. Drawing—Materials and Methods: Studio Course]

Catalog Number: 6945 Enrollment: Limited to 12.

Half course (fall term). Tu., 1–5 and 6–8 pm.

With the elements of composition as a basis, this course utilizes various drawing media in a series of exercises which incrementally construct an understanding and expansion of visual vocabulary. Drawing from life, the model, still-life, photographs and invention will be employed. Although emphasis will be on drawing what you see, the exercises will contribute to an inclusive development of abstract and conceptual principals with an added emphasis on content and subject matter.

Note: Expected to be given in 2009–10. No previous studio experience necessary.

***Visual and Environmental Studies 10x. Drawing Mind and Matter: Studio Course**

Catalog Number: 6006 Enrollment: Limited to 12.

Drew Beattie

Half course (fall term). W., 1–6.

An introduction to fundamental principles in drawing through manual making. A range of subjects, materials and methods will be explored through a mixture of observation, direction and invention. A sequence of individually adapted assignments will conclude with a book project transforming a verbal entity into a visual one. The inseparability of form and content in visual art will be looked at in the drawings produced, and in the contemporary and historical drawings shown in class.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 15ar. Silkscreen: Studio Course**

Catalog Number: 2262 Enrollment: Limited to 12.

Annette Lemieux

Half course (fall term). M., W., 9–12.

For the student who is interested in the manipulation of found and original imagery. Students will create monotypes on paper and other surfaces utilizing the silkscreen process. Through slide presentations, the class will be introduced to the work of artists such as Rauschenberg and Warhol, as well as others who use the silkscreen process.

Note: No previous studio experience necessary.

[*Visual and Environmental Studies 20. Painting from Observation: Studio Course]

Catalog Number: 3732 Enrollment: Limited to 12.

Drew Beattie

Half course (fall term). Tu., 1–6.

An introduction to painting using oil paint and observed still life / interior architecture as a way of digging in. Students learn how to prepare canvases, handle paint and mix color. The representation of volume, space, light and atmosphere in paint will be presented as a foundation



for future use or subversion. Students paint during and outside of class, progressing toward increasingly individual projects. Critiques, readings and museum visits will be integral to the course.

Note: Expected to be given in 2009–10. No previous studio experience necessary.

***Visual and Environmental Studies 20ar. Plane Image: Introductory Painting Studio Course**

Catalog Number: 2621 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (fall term). M., 1–5 and 6–9 pm.

In this entry-level studio course, specific assignments will be used to demonstrate how the materials of painting work. Students will begin by using acrylic paint to work through problem sets having to do with space and light, and oil paint will be introduced later in the term. We will approach painting as a complex process with clear areas of practice and inquiry. Historical art and contemporary issues will inform individual investigations.

***Visual and Environmental Studies 20br. Plane Image II: Introductory Painting Studio Course**

Catalog Number: 4193 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). M, 1–5 and 6–9 pm.

This entry-level studio course will feature demonstrations of how the materials of painting work. Slide talks, lectures, critique and student presentations will be the teaching structure. The primary medium will be oil paint and the emphasis will be the nature of color and how it works in painting space. In addition, historical uses of color will be part of our subject and the book *Color and Culture* will be the primary text.

Note: In addition to studio work, three short written assignments will be required.

Prerequisite: Portfolio presentation or permission of the instructor.

[*Visual and Environmental Studies 23. Watercolor Painting: Studio Course]

Catalog Number: 7975 Enrollment: Limited to 12.

Half course (spring term). M., 1–5, M., 6–8 p.m.

Through the medium of watercolor, we conduct an exploration of the principals of composition including color, with an emphasis on drawing what you see as well as content. Through studies in carefully constructed exercises students can expand visual vocabulary and conceptual understanding of the media. We will work from life, photographs and still-life.

Note: Expected to be given in 2009–10.

***Visual and Environmental Studies 25. Non-observational Painting: Studio Course**

Catalog Number: 1717 Enrollment: Limited to 12.

Drew Beattie

Half course (fall term). Tu., 1–6.

A painting course in which paired concepts such as paintless and painted, singular and plural, observed and invented, expressive and removed generate visual investigations into differing unions of form and content in painting. Technical issues in preparing supports, handling paint



and mixing color, using both oil and acrylic, will be covered. Emphasis will be on the transformation of ideas into visual embodiment in paint. Critiques, readings and museum visits are integral to the course.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 30r. Studio Course: Between Form and Object**

Catalog Number: 4896 Enrollment: Limited to 12.

Taylor Davis (Massachusetts College of Art)

Half course (fall term). Tu., 9–1.

Three-dimensional form--representational or abstract--cannot escape the object's triad of form, material, and function. Using the wood and metal shop facilities and technicians, this multi-media studio course will assist students in recognizing and generating specific form.

Note: Freshmen encouraged to apply.

Prerequisite: No previous studio experience necessary.

[*Visual and Environmental Studies 32. Reconstruction: Studio Course]

Catalog Number: 1790 Enrollment: Limited to 12.

Helen Mirra

Half course (spring term). M., W., 1–4.

A studio course, for making things out of other things, attending to the realms of demolition, waste, surplus, and detritus.

Note: Expected to be given in 2009–10. No previous studio experience necessary.

***Visual and Environmental Studies 33. Objects and Environments: Studio Course - (New Course)**

Catalog Number: 1610 Enrollment: Limited to 12.

Sanford Biggers (Virginia Commonwealth University)

Half course (spring term). T. 9–12 and additional hours to be arranged.

Minimalism, Pop, Identity, Collage, Post-Black, Post-White? What does it all mean? This workshop will familiarize beginning sculptors with important movements past and present, while introducing basic woodworking, mold making and metal welding techniques. Special emphasis will be placed on developing technical proficiency, critical thinking and communication, and individual expression.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 37. Lay of the Land: Studio Course**

Catalog Number: 3090 Enrollment: Limited to 12.

Stephen Prina

Half course (spring term). Tu., Th., 1–4.

The pursuit of and response to the horizontal in art will be the focus of this studio class. To cite a few examples, abstract expressionist painting, cartography, earthworks, landscape photography, 19th century German Romantic landscape painting, and Rayograms will provide models of the horizontal that will be points of departure for studio projects, the forms of which will be determined by what the investigation provides. Students will shift medium from project to project.

Note: No previous studio experience necessary.



***Visual and Environmental Studies 40a. Introduction to Still Photography: Studio Course**

Catalog Number: 2010 Enrollment: Limited to 10.

Chris Killip

Half course (fall term; repeated spring term). M., W., 1–4.

Introduction to still photography through individual and group exercises, with an emphasis on the medium as a vehicle for expression, documentation, and personal vision. Covers necessary technical, historical, and aesthetic aspects of the medium.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 40b. Intermediate Photography: Studio Course**

Catalog Number: 6256 Enrollment: Limited to 10.

Chris Killip

Half course (fall term). M., W., 9–12.

Designed to extend the student's understanding of the process through which meaning is produced in photography. Examines differing approaches to format, context, and presentation through a series of set projects.

Prerequisite: At least one half-course in photography or permission of the instructor.

[*Visual and Environmental Studies 41a. Introduction to Still Photography: Studio Course]

Catalog Number: 0705 Enrollment: Limited to 10.

Sharon C. Harper

Half course (spring term). Tu., Th., 9–12.

Introduction to still photography with an emphasis on the medium as a vehicle for expression and personal vision. Covers technical, historical, and aesthetic aspects of the medium. Class is organized around slide lectures, individual meetings, group critiques, and readings.

Note: Expected to be given in 2009–10. No previous studio experience necessary.

***Visual and Environmental Studies 41b. Photographic Inquiry: Studio Course**

Catalog Number: 9484 Enrollment: Limited to 10.

Sharon C. Harper

Half course (fall term; repeated spring term). Tu., Th., 9–12.

Class emphasis will be on developing visual ideas for a self-directed photographic project. Class will be structured around regular critiques, individual meetings, readings, class discussions and museum visits. Students will create a group of photographs for a final project that are the result of a sustained, self-directed creative process.

Prerequisite: At least one half-course in photography or permission of the instructor.

***Visual and Environmental Studies 42a. Introduction to Still Photography: Studio Course**

Catalog Number: 0622 Enrollment: Limited to 20.

Gregory Ross Halpern

Half course (fall term). Tu., Th., 9–12, or Tu., Th., 1–4. EXAM GROUP: 11, 12, 13

Introduction to still photography through individual and group exercises, with an emphasis on the medium as a vehicle for expression, documentation, and personal vision. Covers necessary technical, historical, and aesthetic aspects of the medium.

Note: No previous studio experience necessary.



***Visual and Environmental Studies 50. Fundamentals of Filmmaking: Studio Course**

Catalog Number: 4907 Enrollment: Limited to 20.

Ross McElwee and Alfred F. Guzzetti

Full course. M., 1–5, W., 1–4; or Tu., 1–4, Th., 1–5.

Introductory exercises in live-action filmmaking culminating in the production of a nonfiction film as a group project in the spring term.

***Visual and Environmental Studies 51a. Fundamentals of Video: Studio Course**

Catalog Number: 7526 Enrollment: Limited to 10.

Alfred F. Guzzetti (fall term) and Robb Moss (spring term)

Half course (fall term; repeated spring term). M., W., 1–4, and a 1-hour lab to be arranged.

A series of nonfiction projects, both individual and collaborative, designed to introduce and explore the range of expressive possibilities in digital video.

***Visual and Environmental Studies 51br. Nonfiction Video Projects: Studio Course**

Catalog Number: 3838 Enrollment: Limited to 10.

Robb Moss

Half course (fall term). Tu., Th., 1–4.

Working from a proposal approved in advance by the instructor, each student plans, shoots, and edits a documentary video of his or her design. Shooting should take place over the summer and editing during the fall term. Readings and screenings augment individual work.

Note: In exceptional cases, a student will be permitted to take the course without having filmed over the summer, but the student must have a specific proposal for a documentary that can be both shot and edited during the term. An interview with the instructor is required for admission.

Prerequisite: At least one VES half-course in live-action film or video.

***Visual and Environmental Studies 53a. Fundamentals of Animation: Studio Course**

Catalog Number: 1360 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (fall term). Th., 1–5, and weekly film screenings F., 1–3; .

An introduction to the possibilities of animation. Using a mixture of traditional and 2D digital tools, students will complete practical exercises which will familiarize them with basic skills and techniques. The second half of the semester will be devoted to making a more substantial project. Screenings and discussions will help develop the specialized thinking needed to understand the discipline.

[*Visual and Environmental Studies 56. From Gesture to Trace: An Introduction to Drawing Movement: Studio Course]

Catalog Number: 0020 Enrollment: Limited to 10.

Half course (fall term). Hours to be arranged.

Students will investigate the recording of movement through the process of drawing. We will explore various strategies for translating gesture, action, and process into drawing, including Renaissance artists' use of expressive and exaggerated anatomy, animation styles of Walt Disney's animators, recording of psychic process in art therapy, and tracing of gesture in the non-representational drawing of abstract expressionism. Investigation, through practical studio



sessions will develop an individual approach to drawing and animation.

Note: Expected to be given in 2009–10. No previous studio experience necessary. Students are expected to attend weekly animation film screenings.

***Visual and Environmental Studies 57. Maya and Multi Media - (New Course)**

Catalog Number: 4275 Enrollment: Limited to 10.

David Lobser

Half course (spring term). Th., 1–5, and film screenings F., 1–3.

This course will offer a basic introduction to 3D Computer animation, and explore hybrid forms of animation and the new thinking they enable.

***Visual and Environmental Studies 58r. Image, Sound, Culture: Studio Course**

Catalog Number: 6680 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

Half course (spring term). F., 9–12, F., 2–5.

Students use video, sound, and/or hypermedia to produce short works about embodied experience, culture, and nature, and are introduced to current issues in aesthetics and ethnography.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 64. Live and Animated**

Catalog Number: 2679 Enrollment: Limited to 10.

Dean Moss

Half course (spring term). F., 10-2, and a 2-hour lab to be arranged. .

An introduction to multimedia performance art practice. Open to a mix of students with visual, video and/or theatrical backgrounds, the course will focus on practical techniques and strategies for the creation of installations blending video and performance. Students will work collaboratively using their own bodies and media production tools to construct multidisciplinary art projects. Discussion, screenings and visiting lecturers will provide conceptual and historical context for the course.

Note: Basic performance and/or audio/video production skills are useful but not required.

***Visual and Environmental Studies 65. Tactics—Art, Politics and Performance: Studio Course**

Catalog Number: 0143 Enrollment: Limited to 10.

Amie Siegel

Half course (spring term). W., 12–4. EXAM GROUP: 5, 6, 7, 8

What makes a work of art political? Through the creation of individual and collective works, this studio course enacts radical tactics of art and disturbance through workshops on performance, artist collectives, appropriation and cultural critique, from which may spring forth manifestoes, actions, insertions. Participants negotiate their own artistic approaches to the social sphere with a focus on video as inscription of occurrence, performance mirror, subjective essay, and mixing turntable for heterogeneous materials.

Note: One half-course in film, video or performance useful but not required.



Visual and Environmental Studies 71. Silent Cinema

Catalog Number: 1971

Lee Grieveson (University College London)

Half course (fall term). Tu., Th., 10–11, a weekly film screening T 1-3, and sections to be arranged. . EXAM GROUP: 12

This course will survey the development of the film medium and the film industry from the beginnings in the 1890s up to the conversion to sound in the late 1920s, covering key textual and institutional transformations and tying these together with the broader cultural and social context in which films were made, exhibited, and understood. We will discuss the main national schools and international trends of filmmaking.

Note: No background in film history or theory necessary. Required for all students concentrating in Film Studies. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Visual and Environmental Studies 72. Sound Cinema

Catalog Number: 6997

J. D. Connor

Half course (spring term). M., W., 10–11, and a weekly film screening Tu., 9-11, and weekly sections to be arranged. EXAM GROUP: 3

How does sound change what we see? What new stories become possible? How does the space of cinema change between 1930 and 1960? What happens when we throw color and widescreen into the mix? We'll seek answers to these questions while investigating the political and industrial contexts of international masters of the medium. Films and filmmakers include: *The Blue Angel*, *Citizen Kane*, *Rashomon*, *The Red Shoes*; Busby Berkeley, Hitchcock, Satyajit Ray, Ozu, and Antonioni.

Note: No background in film history or theory necessary. Required for all students concentrating in Film Studies. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

***Visual and Environmental Studies 80. Loitering: Studio Course**

Catalog Number: 9394 Enrollment: Limited to 12.

Stephen Prina

Half course (fall term). Tu., Th., 1–4.

You will hang out in the vicinity of culture and make things in response to it. This class is not thematic or linked to any particular discipline.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 96p. Directed Research in Painting and Drawing - (New Course)**

Catalog Number: 1229 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (fall term). Hours to be arranged.

This is a critique class for concentrators considering a thesis.

Prerequisite: Open to VES concentrators only.



***Visual and Environmental Studies 96r. Directed Research: Studio Course**

Catalog Number: 7299 Enrollment: Limited to 10.

Stephen Prina

Half course (fall term; repeated spring term). W., 6–9 pm, and additional hours to be arranged.

This course is intended for students who have developed the beginnings of a practice they are prepared to pursue. The motive is to assemble a group of disparate artists who come together to exchange thoughts across disciplines: painting next to photography next to writing next to filmmaking, and so on.

Note: Recommended for concentrators in Visual and Environmental Studies in their junior and senior year but also open to others with permission of the instructor.

Tutorials, Projects, and Research

Preparation for thesis is begun in studios and seminars and is carried to completion in a VES 99 tutorial during the senior year. *In rare instances* students needing special preparation not available in regularly offered courses can enroll in an optional junior or even sophomore tutorial, or a special projects course. Tutorial proposals will be considered by the Director of Undergraduate Studies only with written permission of the project adviser and if the material to be covered is substantially different from other departmental offerings. Ordinarily, tutorial proposals must be submitted before Study Cards are due. Check the department calendar for due dates.

Alternatively, students may wish to consider *Visual and Environmental Studies 96r, Directed Research*, which is intended for students who have developed the beginnings of a practice they are prepared to pursue. Please see course description above.

***Visual and Environmental Studies 91r. Special Projects**

Catalog Number: 9183

J. D. Connor (fall term), Robb Moss (spring term) and Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open to a limited number of students who wish to carry out a special project under supervision. Students wishing to enroll in VES 91r must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.

Note: Letter-graded only. Special Project tutorials are led by individual faculty members; however study cards should be signed by the Director of Undergraduate Studies.

***Visual and Environmental Studies 97r. Tutorial - Sophomore Year**

Catalog Number: 0450

J. D. Connor (fall term), Robb Moss (spring term) and Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses.

Concentrators wishing to take a tutorial in their sophomore year must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.

Note: Optional for sophomore concentrators. Letter-graded only. Tutorials are led by individual faculty members; however study cards should be signed by the Director of Undergraduate Studies.



***Visual and Environmental Studies 98r. Tutorial - Junior Year**

Catalog Number: 1411

J. D. Connor (fall term), Robb Moss (spring term) and Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses.

Concentrators wishing to take a tutorial in their junior year must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.

Note: Optional for junior concentrators. Letter-graded only. Tutorials are led by individual faculty members; however study cards should be signed by the Director of Undergraduate Studies.

***Visual and Environmental Studies 99. Tutorial - Senior Year (Thesis/Senior Project)**

Catalog Number: 5141

J. D. Connor (fall term), Robb Moss (spring term) and Members of the Department

Full course. Hours to be arranged.

All students wishing to undertake a VES 99 project must have permission of the project adviser before being considered. The Director of Undergraduate Studies must approve all VES 99 projects and all theses must be approved by the VES Honors Board in advance.

Note: Optional for senior concentrators. Letter-graded only. Students must be enrolled in VES 99 to do a thesis. Students should arrange regular tutorial meetings with their project adviser. Senior theses and projects are led by individual faculty members; however study cards should be signed by the Director of Undergraduate Studies.

For Undergraduates and Graduates

[Visual and Environmental Studies 100b (formerly 193). Introduction to Video Art: Art in Media Culture]

Catalog Number: 0569

Carrie Lambert-Beatty

Half course (fall term). Hours to be arranged.

Contemporary artists trying to bridge the gap between art and life have to grapple with the fact that more and more of “life” is lived through mass media. Since the 1960s, many have found in video technology an especially appropriate and flexible means for thinking through this condition. This class examines single-channel video and video installation along with related sculpture, performance, conceptual, and new media art.

Note: Expected to be given in 2009–10. This is an introductory art history/criticism class. No previous background necessary.

Visual and Environmental Studies 102k. Word Play: Language as an Art Material

Catalog Number: 8666

Damon Krukowski

Half course (fall term). Tu., 2–5. EXAM GROUP: 16, 17, 18

Parallel formal experiments in 20th-century visual art and poetry have entwined their techniques in contemporary practice. This class will employ a cross-disciplinary approach to the use of words in art; students will write through a set of poetic exercises designed to explore language as an art material. Readings examine Duchamp through Cage to contemporary aleatory, conceptual,



and process art; and avant-garde movements engaged with both visual art and poetry including Dada, Surrealism, the OULIPO, and Fluxus.

Visual and Environmental Studies 103. A Short History of Q - (New Course)

Catalog Number: 7508 Enrollment: Limited to 12.

Catherine B. Lord (University of California, Irvine)

Half course (fall term). W., 6–8 p.m.

We will focus on the articulation of queer visibility from 1885 to the present. Through a chronological narrative, we will pose certain questions throughout the course material. What are the political and cultural stakes in laying claim to the terms "queer" and "queer culture"? If the discourse around queer/gay/lesbian emphasizes questions of invisibility and surveillance, what relationship does this have to the role of artists in queer history and in the making visual culture?

***Visual and Environmental Studies 104. Culture Jam: Art and Activism since 1989: Seminar**

Catalog Number: 1066 Enrollment: Limited to 12.

Carrie Lambert-Beatty

Half course (fall term). M., 2–4.

We are living through a period of remarkable creativity in political expression: from anti-consumerism TV ads to imposter websites; “billboard liberation” to faux corporations, digital hijacking to lifestyle performance. Sometimes labeled art, sometimes not, these activities have sources in both political and art history. In this history/theory seminar we will ask: Where is the line between art and activism today? And how are we to evaluate the efficacy, ethics, and aesthetics of the new hybrids?

Note: Primarily intended for junior and senior concentrators in Visual and Environmental Studies, but others admitted with permission of the instructor.

***Visual and Environmental Studies 107. Studies of the Built North American Environment since 1580**

Catalog Number: 7883 Enrollment: Limited to 20.

John R. Stilgoe

Half course (fall term). Tu., Th., 10–11:30.

North America as an evolving visual environment is analyzed as a systems concatenation involving such constituent elements as farms, small towns, shopping malls, highways, suburbs, and as depicted in fiction, poetry, cartography, television, cinema, and advertising and cybernetic simulation.

Note: Offered jointly with the Graduate School of Design as 4105.

[*Visual and Environmental Studies 111r. Drawing the Dark Side: Studio Course]

Catalog Number: 4836 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). W., 1–5, and 6–8 p.m.

A figure drawing class that uses sorrow, tragedy, angst, humor, and boredom for its content-laden themes. The figures will always be in a context. Styles will range from classical to contemporary. Sources for imagery will be from life as well as historical painting and popular culture.



Note: Expected to be given in 2009–10. Required final project will be either a graphic novel or a three panel altarpiece.

Prerequisite: At least one figure drawing class or portfolio presentation.

***Visual and Environmental Studies 112. Hybrid Drawing: Studio Course**

Catalog Number: 6251 Enrollment: Limited to 12.

Drew Beattie

Half course (spring term). W., 1–4, and 6–8 pm.

A course emphasizing drawings as hybrid fusions of diverse sources, materials, methods, and results. The inseparability of form and content will be continuously discussed in group and individual critiques. Students will pursue the development of their own drawings through assignments aimed at pushing the individual's drawing boundaries out to the farthest, personally credible, visually realized edge. There will be demonstrations of conventional and unconventional materials, and exposure to a variety of contemporary and historical drawings.

Prerequisite: At least one VES studio half-course or permission of the instructor.

***Visual and Environmental Studies 119. Open Studio in Drawing and Painting - (New Course)**

Catalog Number: 7545 Enrollment: Limited to 15.

Nancy Mitchnick

Half course (spring term). W., 1–5 and 6–8.

This intermediate through advanced-level course is organized around individual projects. Students considering a thesis will find it useful as they develop a body of work. Because it replaces Drawing the Dark Side, there will be room for seven students to work on graphic novel projects with figure drawing. Slide talks, trips to museums, and critique will form the structural base for the course. Direction and assignments will be available if necessary.

Prerequisite: At least one VES half-course or portfolio presentation.

[*Visual and Environmental Studies 121ar. Painting Investigations: Studio Course]

Catalog Number: 2939 Enrollment: Limited to 10.

Half course (fall term). Hours to be arranged.

The goal of this course is to study, research and develop a painting investigation which results in one large work, or a small body of work. Critique, slide talks, museum visits, individual assignments, discussion and readings will provide the structure.

Note: Expected to be given in 2009–10. This course is recommended for Junior concentrators in VES considering a thesis in painting, however, all students with prior experience in painting welcome.

***Visual and Environmental Studies 123r. Post Brush: Studio Course**

Catalog Number: 7463 Enrollment: Limited to 12.

Annette Lemieux

Half course (spring term). M., W., 9–12.

Using the silkscreen printing process, students will create paintings and objects that incorporate images and text found in popular culture. Through slides, videos and informal discussions, students will be introduced to the Pop artists of the 20th century as well as other contemporary



artists.

Prerequisite: At least one VES studio half-course or permission of the instructor.

[*Visual and Environmental Studies 127. Painting Faces: Studio Course]

Catalog Number: 6767 Enrollment: Limited to 12.

Half course (spring term). Hours to be arranged.

This is a portrait painting course that will address the historical subject of decapitation as well as focus on identity issues and how people present themselves in surprising contexts. The sources of imagery will come from life situations as well as art, dreams, imagination, memory and texts. The materials will be acrylic paint on paper and oil paint on stretched canvas.

Note: Expected to be given in 2009–10.

Prerequisite: At least one half-course in painting or permission of the instructor.

***Visual and Environmental Studies 129. Painting Post 2000: Studio Course - (New Course)**

Catalog Number: 0311 Enrollment: Limited to 12.

Drew Beattie

Half course (spring term). Tu., 1–5, Tu., 6–8 p.m.

A painting course, which looks at and teaches out of painting strategies current in the twenty-first century. Long-spent polarities opposing representation and abstraction, the optical and the conceptual, thingness and theory, are set aside in favor of a plurality of hybrids as the given from which contemporary painting continues. The emphasis will be on personal experimentation and individual syntheses of directions concurrently vital in painting today.

Prerequisite: Prior experience in painting or permission of the instructor.

[*Visual and Environmental Studies 130br. Sculpture as Analog: Studio Course]

Catalog Number: 8528 Enrollment: Limited to 12.

Helen Mirra

Half course (spring term). M., W., 6–8 p.m.

With a general focus on making sculpture, this course explores issues of visibility and textuality, content and form, analogy and abstraction, objectivity and subjectivity. Projects will build on intellectual work already begun by the student outside of VES.

Note: Expected to be given in 2009–10. This course previously listed as "Building Paragraphs: Nonfiction." Expected to be given in 2009-10.

Prerequisite: At least one VES half-course or permission of the instructor.

***Visual and Environmental Studies 130r. Shapeshifting: Directed Studio Course**

Catalog Number: 7882 Enrollment: Limited to 12.

Taylor Davis (Massachusetts College of Art)

Half course (fall term). W., 1–5.

What is always changing and always the same? This sculpture course is designed to help students identify physical and mental habits of making in order to strengthen and expand their studio practice. We will explore--with the support of the wood and metal shop facilities and technicians--how students' form and content choices articulate subject.

Prerequisite: At least one VES half-course in studio required.



***Visual and Environmental Studies 131. Spatial Poetics: Studio Course - (New Course)**

Catalog Number: 9549 Enrollment: Limited to 12. At least one VES half-course or permission of the instructor.

Sanford Biggers (Virginia Commonwealth University)

Half course (spring term). Tu., 1–4, and additional hours to be arranged.

How to portray concept, form, narrative, beauty or nothingness in three dimensions or other sensorial experiences? This course will focus on communication in the round (the translation of thought and idea into an experiential form), through environments/installations, objects, and anti-objects (i.e. sound, video, and performance). Fueled by each student's previous creative themes, Spatial Poetics will increase their visual fluency. Students with a developing focused practice are encouraged.

[*Visual and Environmental Studies 133. Sculpture—Making Space: Studio Course]

Catalog Number: 6259 Enrollment: Limited to 12.

Helen Mirra

Half course (fall term). Tu., 6–9 pm, and additional hours to be arranged.

What would it mean to make artwork that *makes* space as opposed to taking up space? This class is a forum for thinking about what this could mean, and for exploring different possibilities for what might be a simultaneous making and unmaking.

Note: Expected to be given in 2009–10.

Prerequisite: At least one VES half-course or permission of the instructor.

***Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course**

Catalog Number: 2835 Enrollment: Limited to 10.

Chris Killip

Half course (spring term). W., 9–12.

Explores the way in which some photographic practitioners have questioned accepted photographic conventions and are rejecting the historical orthodoxy in favor of a more subjective statement. Each student is expected to complete a major photographic project that reveals his or her own personal photographic style and preoccupations while still retaining a direct and discernible relationship to the subject.

Prerequisite: At least one half-course in photography or permission of the instructor.

Visual and Environmental Studies 145. Archive Fever: Studio Course - (New Course)

Catalog Number: 2098 Enrollment: Limited to 12.

Catherine B. Lord (University of California, Irvine) and Helen Molesworth

Half course (fall term). Th., 1–4.

Harvard has amassed vast collections of stuff over the centuries--bones, wigs, documents, films, photos, books, medical records, etc. If and when we gain access to this bounty, we will bring back records of our findings and attempt to produce an exhibition based on the objects and desires thus scavenged. The class aims to develop an understanding of research based practices in contemporary art, rather than to refine individual studio work.

[*Visual and Environmental Studies 147r. The Constructed Image—Art Between Architecture, Landscape and Photography: Studio Course]

Catalog Number: 2011 Enrollment: Limited to 10.



Half course (spring term). Hours to be arranged.

Using the Latin meaning of *camera* (chamber, or room) as a point of departure, students will explore the relationship between the literal construction of spaces for living and photography as a tool for constructing images of such human improvements. Through examining precedents from pre-photographic history to the work of contemporary practitioners, a heightened awareness of the interdependence between photographic apparatus and subject will instigate pictorial investigations in the form of studio projects.

Note: Expected to be given in 2009–10.

Prerequisite: At least one half-course in photography or permission of the instructor.

[*Visual and Environmental Studies 148r. Conceptual Strategies in Photography: Studio Course]

Catalog Number: 2429 Enrollment: Limited to 12.

Half course (spring term). Hours to be arranged.

There has been a shift from the traditional notion of art work to the idea of art project. The art project could be understood as a concept structured in a constellation of different but independent elements, in which the author is able to master not only the implicit creative aspects but also a certain social dimension. We deal with the sequential steps of a photography project: creative conception, documentation, practical realization, and critical evaluation.

Note: Expected to be given in 2009–10.

Prerequisite: At least one half-course in photography or permission of the instructor.

***Visual and Environmental Studies 150ar. Intermediate Film Production: Studio Course**

Catalog Number: 4692 Enrollment: limited

Lodge Kerrigan

Half course (fall term). M., 1–4, W., 1–5:30.

Class will focus on narrative fiction film. Students will explore the technical and artistic possibilities of narrative fiction film by writing, directing and editing several short exercises as well as developing a script for a spring term project. The work will be discussed extensively in class. Students will also learn the techniques of lighting, sound recording and editing.

Note: Interview with instructor required for admission.

Prerequisite: VES 50.

***Visual and Environmental Studies 150br. Intermediate Film Production: Studio Course**

Catalog Number: 3934 Enrollment: Limited

Lodge Kerrigan

Half course (spring term). M., 1–4, W., 1–5:30.

Students will prepare, shoot and edit a short fiction film based on a script developed in the fall term. Students will be required to be involved in shooting, sound recording and editing on other student films. The work will be discussed extensively in class.

Note: Students seeking to enroll should come to the first class meeting with a fully developed short narrative fiction screenplay.

Prerequisite: VES 150ar.



***Visual and Environmental Studies 150x. Intermediate Film Production: Studio Course - (New Course)**

Catalog Number: 9899 Enrollment: Limited to 10.

Amie Siegel

Half course (fall term). Tu., Th., 1–4 and additional hours T., 6–8.

This course will center on narrative fiction film, with an emphasis on experimental and conceptual forms. Students will explore the artistic possibilities of narrative fiction film by writing, directing and editing several short exercises as well as developing a script for a spring term project. The work will be discussed extensively in class. Students will learn techniques of lighting, sound recording and editing.

Prerequisite: VES 50

***Visual and Environmental Studies 152r. Intermediate Video Workshop: Studio Course**

Catalog Number: 8012 Enrollment: Limited to 10.

Alfred F. Guzzetti

Half course (spring term). F., 1–5:30.

An extended nonfiction or experimental video project of the student's design, supplemented by brief exercises aimed at exploring the capabilities of the medium.

Note: Students seeking to enroll should come to the first class meeting with a proposal for a video project to be completed in the course.

Prerequisite: One VES half-course in video production.

***Visual and Environmental Studies 153ar. Intermediate Animation--Making an Animated Film: Studio Course**

Catalog Number: 5211 Enrollment: Limited to 10.

Simon Pummell

Half course (fall term). W., 1–5, and weekly film screenings F., 1–3.

Each student will design and produce a single short animation project based on an original idea, or a literary, mythic, or folkloric source of their choice. We will explore the possibilities and problems matching form and content in animated films, and develop conceptual tools each student can employ in the creation of individual project work. This course will accept both introduction level and intermediate level students.

[*Visual and Environmental Studies 153br. Intermediate Animation Workshop: Studio Course]

Catalog Number: 3477 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (spring term). Th., 1–5, and weekly film screenings F., 1–3.

This class offers a chance to extend and deepen skills and understanding of animation and to make a more substantial piece of work. In this course, students plan and produce a single animation project. Additional exercises encourage students to challenge themselves and explore a range of creative possibilities, as well as developing the skills necessary to structure and complete a narrative or non-narrative film.

Note: Expected to be given in 2009–10.

Prerequisite: At least one VES half-course in animation or permission of the instructor.



***Visual and Environmental Studies 154br. Animation Workshop: Studio Course**

Catalog Number: 1484 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (spring term). W., 1–4, and weekly film screenings F., 1–3.

This course allows each student to make a short animated film, taking it through all the stages from idea to post-production. Open to beginners and experienced animators.

***Visual and Environmental Studies 155p. Combining Animation and Live Action: An Exploration of the Many Ways to Make a Composite Film: Studio Course - (New Course)**

Catalog Number: 3943 Enrollment: Limited to 10.

Simon Pummell

Half course (fall term). Tu., 1–5, screenings F. 1–3.

This intermediate level animation class will explore creative potentials, and technical challenges, of combining live action and animation within a single film. Each student will create an individual short film project. At each stage, from early concepts to final grading, we will address the particular possibilities of such fabricated filmic worlds: developing aesthetic approaches, techniques, and a workflow tailored to such projects.

Prerequisite: At least one VES half-course in animation or permission of the instructor.

[*Visual and Environmental Studies 156r. Animating to a Soundtrack]

Catalog Number: 3340 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (spring term). Th., 1–5, and weekly film screenings F., 1–3.

In this course, students start from a 1-3 minute soundtrack. Some students with an interest and ability in music or sound design may generate the track themselves, but students are encouraged to make links with the rich and diverse music scene in the Cambridge and Boston area, including the huge number of Harvard-based groups. Inspired by the soundtrack, students make films which may be abstract or figurative, narrative or free-form, using any animation technique or combination of techniques.

Note: Expected to be given in 2009–10.

Prerequisite: At least one VES half-course in animation or a related subject (or with permission from the instructor).

***Visual and Environmental Studies 158r. Living Documentary: Studio Course**

Catalog Number: 9385 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

Half course (fall term). W., 9–12, W., 1–4.

Students produce a substantial work of ethnographically informed nonfiction using video or sound. Principal recording should take place prior to enrolling in the course.

Note: An ideal follow-up course to VES 58r, but students may enroll independently.

***Visual and Environmental Studies 159k. Screenwriting Workshop**

Catalog Number: 7231 Enrollment: Limited to 8.

Lodge Kerrigan

Half course (fall term). W., 9–11:30. EXAM GROUP: 2, 3, 4

Workshop will focus on developing and completing an existing, work-in-progress, screenplay for



a short narrative fiction film. Class will be centered on analysis and discussion of students' scripts. Short visual exercises (still photography and/or video) and screenings will augment written work.

Note: Students seeking to enroll should come to the first class meeting with a work-in-progress screenplay, 15 pages maximum. Interview with instructor is required for admission. Preference given to VES concentrators who are working in fiction film.

***Visual and Environmental Studies 160. Modernization in the Visual United States Environment, 1890-2035**

Catalog Number: 6668 Enrollment: Limited to 20.

John R. Stilgoe

Half course (spring term). Tu., Th., 10–11:30.

Modernization of the US visual environment as directed by a nobility creating new images and perceptions of such themes as wilderness, flight, privacy, clothing, photography, feminism, status symbolism, and futurist manipulation as illustrated in print-media and other advertising enterprise.

Note: Offered jointly with the Graduate School of Design as 4303.

Prerequisite: VES 107 or permission of the instructor.

***Visual and Environmental Studies 161r. Media Anthropology: Technology, Technique, Techné: Studio Course - (New Course)**

Catalog Number: 5710 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

Half course (fall term). M., 10–12;.

Students receive hands-on training, in the Lab and in the field, with digital video and audio production and post-production technology. Emphasis is on both mastering the technology and developing a technique consonant with one's relationship to one's subject.

Prerequisite: VES 58r or 158r.

***Visual and Environmental Studies 163. Soft and Hard: Studio Jean-Luc Godard: Studio Course - (New Course)**

Catalog Number: 9696 Enrollment: Limited to 10.

Amie Siegel

Half course (fall term). W., 10-12 and W., 1-4. EXAM GROUP: 3, 4, 6, 7, 8

Students explore Godard's films while producing work as studio artists. We will look at genre, pictorial flatness vs. depth, text and image, camera movement, still images, color, asynchrony, and Brechtian tropes in Godard's cinema of reversed time, perverse interviews, critical politics, and gender. Participants try out processes of inspiration, derivation, and notation in relation to Godard's *oeuvre* to enrich their cinematic vocabulary and investigate filmic practices within their own work (video, film, drawing, sculpture, installation, performance).

Prerequisite: At least one VES studio half-course or permission of the instructor.

***Visual and Environmental Studies 165. Moving Image—Installation, Production and Spectacle: Studio Course**

Catalog Number: 8258 Enrollment: Limited to 10.

Amie Siegel



Half course (spring term). Tu., 1–5. EXAM GROUP: 15, 16, 17, 18

Where are the boundaries between art gallery and film set, theatrical stage or production studio (or apartment, carnival or disco)? All have been appropriated and/or re-staged in installations by contemporary artists. Through the creation of our own works, we will explore shifting strategies using cinema, performance and photography as material or metaphor in art. We will consider moving image formats as cultural signifiers (Super-8, 16mm, CinemaScope, surveillance), and gestures of genre and excess.

Prerequisite: At least one VES studio half-course, preferably in film, video or photography, or permission of the instructor.

***Visual and Environmental Studies 166. North American Seacoasts and Landscapes, Discovery to Present: Seminar**

Catalog Number: 5873

John R. Stilgoe

Half course (fall term). Tu., 1–3.

Selected topics in the history of the North American coastal zone, including the seashore as wilderness, as industrial site, as area of recreation, and as artistic subject; the shape of coastal landscape for conflicting uses over time; and the perception of the seashore as marginal zone in literature, photography, film, television, and advertising.

Note: Offered jointly with the Graduate School of Design as 4304.

Prerequisite: VES 107 and VES 160, or permission of the instructor.

***Visual and Environmental Studies 167. Adventure and Fantasy Simulation, 1871-2036: Seminar**

Catalog Number: 4902

John R. Stilgoe

Half course (spring term). Tu., 1–3.

Visual constituents of high adventure since the late Victorian era, emphasizing wandering woods, rogues, tomboys, women adventurers, faerie antecedents, halflings, crypto-cartography, Third-Path turning, martial arts, and post-1937 fantasy writing as integrated into contemporary photography, advertising, video, computer-generated simulation, and designed life forms.

Note: Offered jointly with the Graduate School of Design as 4305.

Prerequisite: VES 107, VES 160, and VES 166, or permission of the instructor.

[Visual and Environmental Studies 170 (formerly 174c). Film and Photography, Ontology and Art]

Catalog Number: 8352

D. N. Rodowick

Half course (spring term). Tu., 1–3.

A critical survey of the principal authors, concepts, and films in the classical period of film theory. We will study the aesthetic debates of the period in their historical context, whose central questions include: Is film an art? If so, what specific and autonomous means of expression define it as an aesthetic medium? What defines the social force and function of cinema as a mass art?

Note: Expected to be given in 2009–10. Weekly readings and discussion will examine major film movements—for example, French Impressionism and Surrealism—as well as the work of key figures such as Hugo Münsterberg, Rudolf Arnheim, Jean Epstein, Germaine Dulac, Béla Balázs,



Erwin Panofsky, Siegfried Kracauer, Walter Benjamin, André Bazin and Stanley Cavell.

Prerequisite: Literature and Arts B-11 or permission of the instructor.

Visual and Environmental Studies 172a (formerly 186c). Film and Photography, Image and Narration

Catalog Number: 4152

D. N. Rodowick

Half course (spring term). M., 3–5.

A survey of debates on photography and film carried out in the contexts of semiotics, structuralism, and narratology from the end of World War II until the early 1980s. In what ways can the image be considered a sign and how do images come to have meaning? Readings will include work by Roland Barthes, Christian Metz, Jean Mitry, Noël Burch, Raymond Bellour, Umberto Eco, Pier Paolo Pasolini, David Bordwell, and Gilles Deleuze.

Prerequisite: Literature and Arts B-11 or permission of the instructor.

[Visual and Environmental Studies 172b (formerly 173t). Contemporary Film Theory]

Catalog Number: 9562

D. N. Rodowick

Half course (spring term). Hours to be arranged.

A critical and historical survey of the major questions, concepts, and trends in film theory since 1968. Weekly readings and discussion will examine how the study of film and spectatorship have been influenced by semiotics, psychoanalysis, Marxism, postmodernism, feminism, and gay and lesbian criticism, as well as multiculturalism.

Note: Expected to be given in 2009–10.

Prerequisite: Literature and Arts B-11 or permission of the instructor.

[Visual and Environmental Studies 175a. Framing the I: Autobiography and Film]

Catalog Number: 3084

Dominique Bluher

Half course (spring term). Hours to be arranged.

Cinema offers many ways of telling one's own story which range from fictional features to essay films and works that use found footage. This seminar examines film history's various modes of autobiographical discourse in the context of philosophical and psychoanalytic considerations of the self as well as of experiments in literary and pictorial self-representation.

Note: Expected to be given in 2009–10.

Visual and Environmental Studies 176n. Facing Reality: A History of Documentary Cinema

Catalog Number: 4394

Scott MacDonald (Hamilton College)

Half course (spring term). Tu., 4–6, Tu., 7–10.

The history of cinema as representation and interpretation of “reality,” focusing on masterworks of nonfiction film and video from a variety of periods and geographic locales. Emphasis on the ways in which nonfiction films can subvert viewers' conventional expectations and their personal security. Forms to be discussed include the city symphony, ethnographic documentary,



propaganda, the nature film, direct cinema, cinéma vérité, the compilation film and personal documentary.

Visual and Environmental Studies 177e. Critical Cinema: A History of Experimental and Avant-Garde Cinema

Catalog Number: 0898

Scott MacDonald (Hamilton College)

Half course (spring term). W., 4–6, and film screenings M., 7–10 pm.

A history of alternatives to commercial movies, focusing on surrealist and Dadaist film, visual music, psychodrama, direct cinema, the film society movement, personal cinema, the New American Cinema, structuralism, Queer cinema, feminist cinema, minor cinema, recycled cinema and devotional cinema. While conventional entertainment films use the novel, the short story and the stage drama as their primary instigations, experimental and avant-garde films are analogous to music, poetry, painting, sculpture and collage.

[Visual and Environmental Studies 180. Film, Modernity and Visual Culture]

Catalog Number: 2874

Giuliana Bruno

Half course (fall term). Hours to be arranged.

Cinema has changed the way we see and think. Modern visual culture develops with the art of film. Course considers this major 20th century shift in visual perception. We look at “motion” pictures as a product of modernity, born of scientific motion studies, aesthetic and cultural mobility. We relate film to the moving experience of urban space. Key writings and films engage sites of modern movement: home(land) and city, voyage and transport, gender and body.

Note: Expected to be given in 2009–10. Offered jointly with the Graduate School of Design as 4131.

Visual and Environmental Studies 181. Frames of Mind: Film Theory

Catalog Number: 0648

Giuliana Bruno

Half course (spring term). Th., 10–11:30, and a weekly film screening W., 7–9 pm, and weekly sections to be arranged. EXAM GROUP: 12, 13

Introduction to the language of film theory aimed at developing analytic skills to interpret films. Historical survey of classical and contemporary theory beginning with turn-of-the-century scientific motion studies to emotion studies of Hugo Münsterberg, to the virtual movements of our new millennium. Considers Eisenstein’s theory of montage, cultural history of the cinematic apparatus, and the body of physical existence from Kracauer to gender studies. Different theoretical positions open our understanding of films and guide us in reading them.

Note: Offered jointly with the Graduate School of Design as 4132.

***Visual and Environmental Studies 182. Film Architectures: Seminar**

Catalog Number: 6864 Enrollment: Limited to 12.

Giuliana Bruno

Half course (fall term). W., 2-4, and a weekly film screening Tu., 7-9pm.

What is our experience of architecture in cinema? Considering the relation of these two arts of space, we look at how film and architecture are linked in history on the “screen” of the modern



age. Highlighting the interaction of modernity, urban culture and cinema, we explore the architecture of film in relation to the architectures of transit and the culture of travel. Emphasis on readings and case study analysis to pursue research projects and conduct presentations.

Note: Offered jointly with the Graduate School of Design as 4351.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts

Catalog Number: 5736

Giuliana Bruno and Svetlana Boym

Half course (fall term). Th., 11:30-1, and a weekly film screening W., 7-9 pm, and weekly sections to be arranged. EXAM GROUP: 13, 14

How do visual representation and narrative figuration contribute to construct urban identity?

Explores the urban imagination in different artforms: architecture, cinema, literature, photography, and painting. Topics to be mapped out include: cities and modernity, metrophilia and metrophobia, the museum and cultural archaeology, the ruin and construction site, interior space and public sphere, technology and virtual cities. We will focus on the European city, as we travel through Paris, Berlin, St. Petersburg, Moscow, Naples and Rome.

Note: Cannot be taken for credit if Literature 184 has been taken. Cannot be taken concurrently with Literature 184. Also offered jointly with the Graduate School of Design as 4353. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

***Visual and Environmental Studies 185x. Visual Fabrics: Film, Fashion and Material Culture: Seminar**

Catalog Number: 1575 Enrollment: Limited to 12.

Giuliana Bruno

Half course (spring term). W., 2-4, and a weekly film screening Tu., 7-9 pm.

Explores the common language of film and fashion, both powerful image makers and objects of material culture. Film and fashion share a role with architecture and contemporary art creating narratives and atmospheres, conveying identity and shaping visual expression. We explore their common language, particularly the current intersection with contemporary visual arts, treating these elements as part of our cultural “fabric” through a text(ur)al analysis of Wong Kar-wai’s *In the Mood for Love*.

Note: Offered jointly with the Graduate School of Design as 4354. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts B.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

[Visual and Environmental Studies 186g. Law, Order, Cinema]

Catalog Number: 9502

Half course (spring term). Th., 3-5; M., 4-6.

Examines the myriad connections between cinema and “government”—understood broadly as activities aiming to shape, guide or affect the conduct of people—in the US in the first half of the 20th century. Focuses on three principal avenues of analysis, examining cinema’s regulation and the shaping of its place in the public sphere, the filmic articulation of aspects of governance (in crime cycles, for example), and the ways cinema was used by governmental groups.

Note: Expected to be given in 2009-10.



Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema

Catalog Number: 1196

Eric Rentschler

Half course (fall term). Tu., Th., 10, and , with weekly film screenings W., 4-6. EXAM GROUP: 12

West German filmmakers gained world-wide acclaim in the 1970s for interventions marked by subversive narrative strategies and unique formal approaches. We will examine representative features by Fassbinder, Herzog, Kluge, Schlöndorf, von Trotta, and Wenders, probing these films' aesthetic shapes as well as their socio-political implications. We will also frame our discussion by looking at important films that both precede and come after the so-called New German Cinema.

Note: No knowledge of German required. Readings, films, and discussions in English. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures or Literature and Arts B, but not both.

[Visual and Environmental Studies 189. Exploring Culture Through Film]

Catalog Number: 9619

Lucien G. Castaing-Taylor

Half course (spring term). Tu., 6:30–9:30 pm, and weekly film screenings Tu., 4–6 pm.

Introduction to the history and theory of documentary and ethnographic film. A wide variety of works from 1895 to today will be screened and discussed. Different cinematic styles which have been used to depict human existence and the relationships between individuals and the wider cultural and political contexts of their lives will be compared.

Note: Expected to be given in 2009–10. First meeting for this course will take place at 4pm on Tuesday, Feb. 5. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts B.

[Visual and Environmental Studies 190f. Contemporary French Cinema]

Catalog Number: 7722

Dominique Bluher

Half course (fall term). M., 2–4, and a weekly film screening to be arranged.

A new generation of French filmmakers has emerged in recent years, including Assayas, Breillat, Denis, and Dumont, among others. They have been instrumental in creating innovative approaches to cinematic narrative, form and style worldwide. Course readings will include interviews with filmmakers, analyses of their films as well as contributions by Deleuze, Foucault, Jameson and Williams which will provide theoretical frameworks for considerations of modernity and postmodernity, gender and sexuality, violence, and ethnicity.

Note: Expected to be given in 2009–10. No knowledge of French required; readings, films and discussions in English. No background in film studies necessary.

***Visual and Environmental Studies 190n. French New Wave Cinema - (New Course)**

Catalog Number: 9358 Enrollment: Limited to 15.

Mya M. Mangawang

Half course (spring term). Th., 1–3.

This course is meant to help situate French New Wave cinema historically, both generally within the contexts of French social and political attitudes, and more specifically, within the realms of



film history and theory. Structuring our analysis around the question, "What was so new about the French New Wave?" this course explores the ways in which the movement both broke from established filmic conventions, and importantly, participated within them.

Prerequisite: No knowledge of French required; readings, films and discussions in English.

Visual and Environmental Studies 191g. Crime Media - (New Course)

Catalog Number: 0886

Lee Grieveson (University College London)

Half course (fall term). Th., 1–3, and weekly film screenings to be arranged.

In Crime Media, we will trace the developments and parameters of crime fictions, focusing in particular on the interconnections of crime and the urban experience of concentrated populations and wealth, anonymity, and new technologies. We will focus in particular on cinema, examining the cultural articulation of crime and punishment in various texts and historical moments from the late nineteenth to early twenty-first centuries.

Visual and Environmental Studies 194w. World Cinema Today

Catalog Number: 4865

Dominique Bluher

Half course (spring term). Tu., 2–4, and weekly film screenings F., 1–3. EXAM GROUP: 16, 17

An in-depth study of works by some of contemporary world cinema's most significant filmmakers in pertinent artistic, historical, and theoretical contexts. Provides close consideration of representative features by Wong Kar-Wai, Hayao Miyazaki, Abbas Kiarostami, Agnès Varda, David Cronenberg, Hou Hsiao-hsien, Jim Jarmusch, and others.

Note: No background in film studies necessary.

Visual and Environmental Studies 196. Women's Film and Video in France: Agnès Varda, Chantal Akerman and Claire Denis - (New Course)

Catalog Number: 9812

Dominique Bluher

Half course (fall term). Th., 2–4, and weekly film screenings F., 1–3.

Agnès Varda, Chantal Akerman and Claire Denis are undoubtedly three of the most significant contemporary film directors working in France today. Having started making films in the 1960s, 1970s and 1980s, respectively, this class examines some of their landmark works in historical, cinematic and theoretical contexts.

Note: No knowledge of French required. Readings, films and discussions in English. Previous coursework in Film Studies or related fields helpful, but not required.

Related Courses of Interest for VES Concentrators

Chinese Literature 130. Screening Modern China: Chinese Film and Culture
Dramatic Arts 135 (formerly Dramatic Arts 30). Design for the Theatre: History and Practice

***Dramatic Arts 136 (formerly *Dramatic Arts 31). Designing for the Stage**

***English Clr. Introduction to Screenwriting**

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours

[Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich]



French 170. The City - (New Course)

***Freshman Seminar 36m. Noisy Art**

History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s

[*History of Art and Architecture 153p. Le Corbusier and the Invention of Modernism]

[*History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]

[*History of Art and Architecture 196. Contemporary Art in Africa]

***History of Art and Architecture 277s. Circa 1970**

***History of Science 152. Filming Science - (New Course)**

***Indian Studies 123. Bollywood and Beyond: Commercial Cinema, Language and Culture in South Asia.**

Japanese Literature 160. The Pacific War through Film - (New Course)

Literature and Arts B-11. The Art of Film

Literature and Arts B-20. Designing the American City: Civic Aspirations and Urban Form

Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction

Literature and Arts B-49. Modernisms 1865–1968

[Studies of Women, Gender, and Sexuality 1133. Gender and Performance]

Studies of Women, Gender, and Sexuality 1180. Hollywood Films and Postwar LGBT Politics

[Studies of Women, Gender, and Sexuality 1222. Literature, Art, Cinema and Queerness]

Primarily for Graduates

***Visual and Environmental Studies 220. The Animal Moment: The Visual and Verbal Animal (Graduate Seminar in General Education) - (New Course)**

Catalog Number: 3491

Marjorie Garber

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

What can visual culture and literary study contribute to interdisciplinary animal studies, which has become a central preoccupation for numerous and diverse fields? Through analysis of and encounter with visual art, film, literature, critical theory, and "real" animals, this course will cover topics like: vegetarianism, animal experimentation, "wild" humans, suffering, pathos, pets, zoos, talking animals, bio-art, animal law, projection, identification, and displacement. The seminar will design and develop a General Education course on these themes for undergraduates.

***Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History**

Catalog Number: 1741

Tom Conley

Half course (spring term). M., 1–3, and a weekly film screening to be arranged. EXAM GROUP: 6, 7

Considers film history and the relations between film and history as well as pertinent theoretical approaches to historiography. Critical readings of exemplary film historical studies and careful scrutiny of films both in and as history.



Note: Required of all graduate students intending to declare a secondary field in Film and Visual Studies.

***Visual and Environmental Studies 271. Proseminar in Film and Visual Studies: Theory**

Catalog Number: 0159

D. N. Rodowick

Half course (fall term). Tu., 2–4.

An advanced survey of current debates on the place of the moving image in contemporary visual culture and art practice with respect to concepts of space, time, movement, and affect.

Note: Required of all graduate students intending to declare a secondary field in Film and Visual Studies.

[*Visual and Environmental Studies 288. Dziga Vertov and His Time: Left-Wing Art, Avant-Garde Filmmaking, Radical Politics]

Catalog Number: 1816

Half course (spring term). Tu., 3–5; M., 7–9 p.m.

The class explores the work of this seminal Soviet documentary filmmaker, his theory, its international impact, its cultural and political implications, various ways of how Vertov's films and theories are viewed and interpreted nowadays.

Note: Expected to be given in 2009–10. All readings in English. Open to qualified undergraduates with the permission of the instructor.

[*Visual and Environmental Studies 292r. Philosophy and Film: Seminar]

Catalog Number: 5659

D. N. Rodowick

Half course (fall term). Tu., 1–3.

Explores relationship of film and film theory to problems in contemporary philosophy. Topics and themes change from year to year; students should review the course description in the term when the seminar is next offered.

Note: Expected to be given in 2009–10.

Graduate Courses of Reading and Research

***Visual and Environmental Studies 301. Film Studies Workshop**

Catalog Number: 2867

Eric Rentschler 2325

***Visual and Environmental Studies 310. Reading and Research**

Catalog Number: 5851

Members of the Department

Note: Conducted through regular conferences and assigned writing. Limited to students reading specifically on topics not covered in regular courses. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.



***Visual and Environmental Studies 320. Directed Study**

Catalog Number: 0441

Members of the Department

Related Courses of Interest for Film and Visual Studies Graduate Program

[*Anthropology 2635. Image/Media/Publics: Seminar]

[*Anthropology 2835r. Sensory Ethnography I]

[*Anthropology 2836r. Sensory Ethnography II: Studio Course](#)

[*Anthropology 2845. Media Anthropology Theory]

[Chinese Literature 225. Visual Evidence]

[*Comparative Literature 257. Trauma, Memory, and Creativity]

[Comparative Literature 273. Approaches to Modernity: The Metropolis](#)

[German 244. Readings in German Film Theory]

[German 269. Introduction to Film Analysis](#)

[History of Science 280. Theories of Technology - \(New Course\)](#)

[Portuguese 151 \(formerly Portuguese 251\). Culture in Turmoil: Brazil in the 50s, 60s and 70s](#)

[Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930](#)

Women, Gender, and Sexuality

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Studies of Women, Gender, and Sexuality

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality (*Chair*) (*on leave 2008-09*)

Afsaneh Najmabadi, Professor of History and of Studies of Women, Gender, and Sexuality (*Acting chair*)

Janet Beizer, Professor of Romance Languages and Literatures

Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature (*on leave 2008-09*)

Peter J. Burgard, Professor of German

Luis E. Cárcamo-Huechante, Associate Professor of Romance Languages and Literatures

Steven C. Caton, Professor of Contemporary Arab Studies

Nancy F. Cott, Jonathan Trumbull Professor of American History (*on leave 2008-09*)

Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations (*on leave spring term*)

Evelynn M. Hammonds, Professor of the History of Science and of African and African



American Studies, Dean of Harvard College

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society

Alice Jardine, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Ewa Lajer-Burchard, Harvard College Professor and Professor of History of Art and Architecture

Caroline Light, Lecturer on Studies of Women, Gender, and Sexuality (*Director of Undergraduate Studies*)

Christie McDonald, Smith Professor of French Language and Literature and Professor of Comparative Literature

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment

Marcyliena Morgan, Professor of African and African American Studies

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*on leave 2008-09*)

Sindhumi Revuluri, Assistant Professor of Music

Amie Siegel, Assistant Professor of Visual and Environmental Studies

Mary M. Steedly, Professor of Anthropology (*on leave 2008-09*)

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Judith Surkis, Associate Professor of History and of History and Literature

Laurel Thatcher Ulrich, 300th Anniversary University Professor

Adelheid Voskuhl, Assistant Professor of the History of Science (*on leave 2008-09*)

Affiliated Members

Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)

Arachu Castro, Assistant Professor of Social Medicine (*Medical School*)

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures

Janet E. Halley, Professor of Law (*Law School*)

Amy Hollywood, Elizabeth H. Monrad Professor of Christian Studies (*Divinity School*)

Wendy L. Luttrell, Nancy Pforzheimer Aronson Associate Professor in Human Development and Education (*Education School*)

Uta G. Poiger, Visiting Associate Professor of History and of History and Literature (*University of Washington*)

Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*) (*fall term only*)

Other Faculty Offering Instruction in Studies of Women, Gender, and Sexuality

Michael Bronski, Visiting Lecturer on Studies of Women, Gender, and Sexuality

Deborah J. Cohan, Lecturer on Studies of Women, Gender, and Sexuality

Jigna Desai, Visiting Associate Professor of Studies of Women, Gender, and Sexuality (*University of Minnesota*)

Ian K. Lekus, Lecturer on History and Literature, and Lecturer on Studies of Women, Gender, and Sexuality



Laurie A. Nsiah-Jefferson, Lecturer on Studies of Women, Gender, and Sexuality
Linda Schlossberg, Lecturer on Studies of Women, Gender, and Sexuality (*Assistant Director of Studies*)
Katherine Stanton, Lecturer on Studies of Women, Gender, and Sexuality
Susan Stryker, Visiting Lecturer on Studies of Women, Gender, and Sexuality

Primarily for Undergraduates

***Studies of Women, Gender, and Sexuality 91r. Supervised Reading and Research**

Catalog Number: 6225

Director of Studies and staff

Half course (fall term; repeated spring term). Hours to be arranged.

The study of selected topics in studies of women, gender, and sexuality.

***Studies of Women, Gender, and Sexuality 97. Tutorial-Sophomore Year**

Catalog Number: 7217 Enrollment: Limited to concentrators.

Caroline Light

Half course (spring term). Th., 3–5.

An introduction to foundational concepts and analytical tools in the study of gender and sexuality. Focus on the ways in which diverse people have understood gender, sexuality, race, and nationhood as categories of knowledge. Case studies of activists and theorists forging complex alliances across unstable differences. Readings include Gloria Anzaldúa, Adrienne Rich, Simone de Beauvoir, Chandra Talpade Mohanty, Donna Haraway, Patricia Hill Collins, Inderpal Grewal, Judith Butler, Monique Wittig, Alison Bechdel, and Michel Foucault.
Note: Required of, and limited to, Women, Gender, and Sexuality concentrators in their first year in the concentration.

***Studies of Women, Gender, and Sexuality 98r. Tutorial — Junior Year**

Catalog Number: 8094

Director of Studies and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by concentrators for one term in the second term of the junior year.

Concentrators planning to study abroad in the second term should take WGS 98r in the first term of the junior year.

***Studies of Women, Gender, and Sexuality 99a. Tutorial — Senior Year**

Catalog Number: 6763

Linda Schlossberg

Half course (fall term). Hours to be arranged.

Note: Both WGS 99a and 99b are required of all concentrators in their senior year.

***Studies of Women, Gender, and Sexuality 99b. Tutorial — Senior Year**

Catalog Number: 5847

Linda Schlossberg

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Both WGS 99a and 99b are required of all concentrators in their senior year.



For Undergraduates and Graduates

Studies of Women, Gender, and Sexuality 1000gm. Introduction to WGS: The Gender Mystique

Catalog Number: 9620

Alice Jardine

Half course (fall term). Tu., Th., at 10, and a one-hour section to be arranged. EXAM GROUP: 12

An overview of major questions raised by the interdisciplinary study of women, gender, and sexuality and the challenges thus raised to traditional divisions of knowledge. Our approach will be contemporary and our subjects will range across history, science, economics, literature, and film, moving through feminist, postcolonial, and queer theories, towards an examination of how such fields as public health, medicine, education, and law have been forever changed by gender theory since WW II.

Studies of Women, Gender, and Sexuality 1122. The Romance: From Jane Austen to Chick Lit

Catalog Number: 8181

Linda Schlossberg

Half course (fall term). M., W., at 12, and a one-hour section to be arranged. EXAM GROUP: 5

A critical investigation of the genre's enduring popularity, beginning with Austen's satirical *Northanger Abbey* and three novels credited with providing narrative templates for contemporary romances (*Pride and Prejudice*, *Jane Eyre*, *Wuthering Heights*). We will then read twentieth-century revisions of these works (*Rebecca*, *The Wide Sargasso Sea*, *Bridget Jones's Diary*).

Topics: the female writer and reader/consumer of literature; moral warnings against romance, "sensation," and titillation; the commodification of desire; Harlequins; the relationship between high culture and low.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

[Studies of Women, Gender, and Sexuality 1125. Gender and Health]

Catalog Number: 4563

Mary Ruggie (Kennedy School)

Half course (spring term). Hours to be arranged.

Based on theoretical debates between feminism and science and different understandings of health, illness, and healing, we explore the role of women, the medical profession, and various social institutions in constructing knowledge about gender and health. Among the issues we discuss are health behaviors, reproductive health, STDs, mental health, cancer, and aging. Throughout, we identify differences among women and men of different class, race, and ethnic groups.

Note: Expected to be given in 2009–10. Expected to be given in 2009–10.

[Studies of Women, Gender, and Sexuality 1133. Gender and Performance]

Catalog Number: 8829

Robin M. Bernstein

Half course (fall term). Hours to be arranged.



Introduction to performance studies as it intersects with studies of gender, sexuality, and race. What does it mean to say gender is "performed"? How does performance--both on- and off-stage--construct and deconstruct power? Topics include transgressive and normative performances, athletics, feminist and queer theatre, gender in everyday life, drag, Playboy, and weddings. Texts include Tony Kushner, Judith Butler, Anna Deavere Smith, Cherríe Moraga, Eve Ensler, Bertolt Brecht, Guillermo Gómez-Peña, Coco Fusco, and Ntozake Shange. *Note:* Expected to be given in 2009–10. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding and the Core area requirement for Literature and Arts B.

Studies of Women, Gender, and Sexuality 1154. I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s

Catalog Number: 6855

Alice Jardine

Half course (fall term). Tu., Th., at 12, and a one hour section to be arranged. EXAM GROUP: 14

A diagnosis and analysis of this formative decade for the US babyboomer. Taught from a cultural studies perspective, the course focuses on gender politics in print media, film, television, and rock of the early cold war era. Topics include: the bomb and TV, the Rosenberg trial, early civil rights movement, beat generation, Hollywood dreams of true love, Elvis Presley, Marilyn Monroe, Lucille Ball, Jack Kerouac, Joe McCarthy, Rosa Parks, and others.

Studies of Women, Gender, and Sexuality 1162. Imagining Asian America - (New Course)

Catalog Number: 9404

Jigna Desai (University of Minnesota)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This interdisciplinary course investigates the identities, experiences, and racial formations of Asian Americans within the larger context of capitalism, Orientalism, and American empire. We discuss the history of the United States as a "gate-keeping" nation-state as well as the current climate of increased xenophobia, nativism, and racialization. The course introduces "Asian American critique" as an intellectual mode of inquiry that critiques racialized regimes of power and inequality within America.

Note: Mandatory film screenings on Thursday evenings. See syllabus for exact dates and times.

Studies of Women, Gender, and Sexuality 1172. Men and Women, War and Peace - (New Course)

Catalog Number: 3691

Ian K. Lekus

Half course (fall term). M., 4-6 pm, and a one-hour section to be arranged.

We will investigate the gendered definitions of war and peace, both past and present. Focusing on the U.S. within a global framework, we will examine the ways that women and men have experienced warfare, military service, terrorism, and militarism, as well as their roles in building and maintaining peace. We will consider these questions from various perspectives, including combatants, nurses, and support personnel, diplomats, pacifists and terrorists, and spouses, partners, and sex workers.



Studies of Women, Gender, and Sexuality 1177. AIDS: Politics, Culture, and Science - (New Course)

Catalog Number: 8642

Ian K. Lekus

Half course (spring term). M., W., at 11, and a one-hour section to be arranged. EXAM GROUP: 4

This course introduces the political, social, cultural, and medical constructions of the HIV/AIDS pandemic. Drawing upon diverse interdisciplinary texts, we will investigate the pandemic's historical epidemiology; state, medical, and grassroots responses to AIDS; and evolving media representations of AIDS. We will explore both continuities and changes in these dynamics from local, national, and transnational perspectives. To do so, we will focus on examples from the U.S., Latin America, sub-Saharan Africa, and South Asia.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Studies of Women, Gender, and Sexuality 1180. Hollywood Films and Postwar LGBT Politics

Catalog Number: 9658

Michael Bronski

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This course will examine the interplay between post-World War Two film representation of gay, lesbian, bisexual, and transgender individuals and the development of a national LGBT political consciousness. In addition to film screenings, texts will include feminist and queer film theory, primary source movement documents, and popular writings on homosexuality. Emphasis will be placed on how Hollywood films reflect social change brought about by the LGBT movement working in conjunction with other movements.

[Studies of Women, Gender, and Sexuality 1200fh. History of Feminist Thought]

Catalog Number: 3042 Enrollment: Limited to 35.

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Studies of Women, Gender, and Sexuality 1200qh. Transgender History and Urban Spaces

Catalog Number: 5244

Susan Stryker

Half course (fall term). Tu., Th., at 11, and a one-hour section to be arranged. EXAM GROUP: 13

This class explores the history of transgender communities and identities in the United States. Over the course of the semester, we will link transgender history to issues in contemporary critical, queer, and feminist theory, and develop an argument about the interrelationship between embodiment and the built environment.

[Studies of Women, Gender, and Sexuality 1200sh. From Queer to Queer: Histories of Same Sex Love and Eroticism in the United States]

Catalog Number: 7133



Robin M. Bernstein

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Studies of Women, Gender, and Sexuality 1210ft. Feminist Theory: Feminism and Psychoanalysis

Catalog Number: 5590

Amy Hollywood (Divinity School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

The course explores feminism's long and contentious relationship with psychoanalysis. From its inception, women were intensely involved in the psychoanalytic enterprise as- patients, analysts, and critics. Sexuality is at the core of psychoanalysis, and as a result the status of men and women, maleness and femaleness, masculinity and femininity, have been subject to continual debate. Through historical exploration of these issues we ask if, how, and why psychoanalysis matters to feminist theory and practice today.

[Studies of Women, Gender, and Sexuality 1210qt (formerly Studies of Women, Gender, and Sexuality 1003). Queer Theory]

Catalog Number: 9232 Enrollment: Limited to 15.

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the possibilities and pitfalls of a specifically "queer" understanding of gender, sexuality, culture, history, and politics. Special attention will be given to the international sweep and limits of queerness as conceptual category and identity (and anti-identity) formation in relation to questions of race, ethnicity, nationality, and class as well as artistic production and activism. Works by Butler, Sedgwick, Foucault, Rubin, Halperin, Warner, Wittig, Bersani, Cohen, Lorde, Halberstam, Califia, Stryker, Quiroga, Najmabadi, and many others.

Note: Expected to be given in 2009–10.

***Studies of Women, Gender, and Sexuality 1215. Off the Page and Into the World: Feminist Praxis in the Community - (New Course)**

Catalog Number: 3232 Enrollment: Limited to 12.

Deborah J. Cohan

Half course (spring term). M., 2–5; M., at 4. EXAM GROUP: 7, 8

This course will involve students in experiential learning in community agencies that serve women, girls, and/or gay, lesbian, bisexual and transgender communities. The course will require students to apply feminist theory to the challenges of organized social change. Internship placements of 8 hours a week in a community agency or non-profit organization must be approved by the instructors, in projects that advance students' knowledge of the intersection of identities, feminist ideologies, and feminist praxis.

Note: Interested students are strongly encouraged to attend an information session in December detailing the requirements for the course (contact the WGS office for meeting details). Student enrollment in this course is contingent upon placement at one of the approved internship sites. The placement process will begin during the first week of the course.



[Studies of Women, Gender, and Sexuality 1222. Literature, Art, Cinema and Queerness]

Catalog Number: 2628 Enrollment: Limited to 25.

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the ties and tensions between so-called non-normative sexual identities and expressions and literature, film, and the visual arts. Draws on works from an array of countries in the modern period and includes select theoretical, critical, and historical readings. Topics include decadence and experimentation; oppression and resistance; desire, duty, and disease; silence and expression; normalization and radicalism, and the intersections of race, class, language, and nationality.

Note: Expected to be given in 2010–11.

Studies of Women, Gender, and Sexuality 1233. Gender, Sexual Violence, and Empire

Catalog Number: 4121 Enrollment: Limited to 15.

Katherine Stanton

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Making the case for what Deepika Bahri identifies as the "constitutive" role of gender in colonial formations, this course will examine the feminization of colonized peoples and crises in European masculinity, the myth of the black male sexual threat, and the notion of European women's moral authority. Yet we will also consider the importance of gender to national projects and postcolonial theorizations. We will read cultural history, literary theory, and literary works in this course.

Studies of Women, Gender, and Sexuality 1238. Consuming Passions - (New Course)

Catalog Number: 5605 Enrollment: Limited to 15.

Caroline Light

Half course (fall term). W., 1–3, and a weekly section to be arranged. EXAM GROUP: 6, 7

In what ways do sexuality and desire frame our contemporary experiences of consumption, and how do unequal distributions of global power influence the relationship between producers of globally marketed goods and services and those who consume them? Topics include sex tourism, migrant domestic labor, international adoption and surrogacy, and the commercialization of same-sex desire.

Studies of Women, Gender, and Sexuality 1241. Race-Gendered Adolescence - (New Course)

Catalog Number: 3076 Enrollment: Limited to 15.

Laurie A. Nsiah-Jefferson

Half course (spring term). Tu., 1–3.

What is the meaning of being an African-American male adolescent, or a 15 year old female Vietnamese immigrant? How do adolescents of color see themselves? How does society view them? What are the current challenges and opportunities for these youth? What role does government policy, families and communities play? How do young people negotiate the race-gendered terrain of their lives? Memoirs, novels, reports, legislation, and other documents will be utilized to explore these topics.



Studies of Women, Gender, and Sexuality 1256. Black Motherhood across the Diaspora - (New Course)

Catalog Number: 3994 Enrollment: Limited to 15.

Laurie A. Nsiah-Jefferson

Half course (fall term). W., 3–5.

The unique role of black mothering in the United States, Africa, the Caribbean and across the globe will be explored. We will focus on how mothers negotiate the terrain of dominant images of motherhood within and outside their communities, and the influence of gendered racism on themselves and their families. We will also explore public policies that impact on black motherhood, and how motherhood has been used as a subversive tool to fight oppression.

Studies of Women, Gender, and Sexuality 1300. Approaches to Research and Writing in WGS

Catalog Number: 4429 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

An analysis of the production of knowledge and research methodologies across a variety of interdisciplinary topics in WGS. Specific research and writing requirements in the humanities, social sciences, and sciences are addressed as interdisciplinary questions are explored. The course is designed to deepen students' thinking about their research questions, their roles and responsibilities as researchers, feminist epistemologies and the challenges of representation in the writing process.

Note: Required of all full and primary concentrators. Strongly recommended for joint concentrators with WGS as the allied field.

[Studies of Women, Gender, and Sexuality 1403 (formerly Women's Studies 163). Nations, Genders, and Sexualities in Comparative Perspective]

Catalog Number: 4054 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (spring term). Hours to be arranged.

This seminar begins by considering several classical texts on modern nation- and state-formations, and their intersection with issues of gender and sexuality, including works by Anderson, Moss, and Foucault. We then study feminist, queer, and post-colonial critiques of these ideas using specific historical and anthropological works on the Middle East, South Asia and East Asia. Focuses on the formation of modern subjectivities in the context of reconfigurations of sex, gender, and nationality.

Note: Expected to be given in 2010–11.

***Studies of Women, Gender, and Sexuality 1407. Harlots, Dandies, Bluestockings: Sexuality, Gender, and Feminism in the 18th and 19th Centuries**

Catalog Number: 0730 Enrollment: Limited to 15.

Linda Schlossberg

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

How did social forces in the 18th and 19th centuries shape (and contest) new theories of womanhood, sexuality, and political equality? Readings from a variety of literary and political sources, including *"Fanny Hill: Memoirs of a Woman of Pleasure," "Moll Flanders," "The*



Picture of Dorian Gray," "Dr. Jekyll and Mr. Hyde," "A Vindication of the Rights of Women."
 Areas of inquiry: prostitution, the suffrage movement, motherhood, property rights, psychology, manliness, sexology, Victorian pornography.

***Studies of Women, Gender, and Sexuality 1453. South Asians in America: Nation, Migration, Diaspora - (New Course)**

Catalog Number: 4326 Enrollment: Limited to 15.

Jigna Desai (University of Minnesota)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Using South Asian migration to the US as a case study, this course provides an overview of important concepts and trends in the study of gender, migration, and citizenship. From an interdisciplinary feminist and queer perspective, we examine the relationship between postcolonial nations, "host" countries, and racialized diasporas. Spanning from early twentieth century Sikh farmers to contemporary post-9/11 America, the seminar develops critical lenses for understanding the identities and experiences of South Asian Americans.

***Studies of Women, Gender, and Sexuality 1460. Somatechnics: Bodies and Technology**

Catalog Number: 4785 Enrollment: Limited to 15.

Susan Stryker

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

"Somatechnics" is a newly coined term that calls attention to the linked nature of bodies and technologies. This advanced seminar will investigate technologies of embodiment in the fields of medicine, education, information technology, the arts, surveillance, science, and law. We will explore such topics as prostheses, the selling of human organs and tissues, assisted reproductive technologies, cybersex, and robotics.

Of Related Interest

Courses related to the studies of women, gender, and sexuality offered by other departments are listed below. Many of the courses may be taken for graduate credit. Students should also investigate offerings in other faculties in which they may cross-register, such as the Graduate School of Education, the Law School, the Medical School, and the Women's Studies program at the Divinity School. This list is for informational purposes only and courses are not pre-approved for WGS concentration credit. For courses offered by other departments that are approved for WGS concentration credit please contact the WGS main office.

African and African American Studies 118. African American History from the Slave Trade to 1900

Celtic 166. The Folklore of Women

***English 90ow. Oscar Wilde: Artist, Martyr, Celebrity**

English 154. Literature and Sexuality - (New Course)

Foreign Cultures 60. Individual, Community, and Nation in Vietnam

French 48b. Contemporary French Society

French 70b. Introduction to French Literature II: Representations of Change From the Romantics to the Present

[French 132a. 20th-Century French Fiction I: The Realist Mode]

French 194. Negotiating Identities in Contemporary Postcolonial Francophone Literature -



(New Course)

French 255. Metamorphoses of the Vampire

[German 162. Gender Theory and Narrative Fiction]

Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa

[Historical Study A-86. Men and Women in Public and Private: the US in the 20th Century]

[Historical Study B-35. The French Revolution: Causes, Processes, and Consequences]

Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America

[*History 74d (formerly *History 1669). Gender in US History]

[History 1127 (formerly History 1427). Women's Voices in Medieval and Early Modern Europe]

History 1340 (formerly History 1454). French Social Thought from Rousseau to Foucault and Beyond

*History 2912 (formerly *History 3902). What is History? Concepts, Practices, Critique: Seminar

[History 2920 (formerly History 3905). Readings in Gender History: Seminar]

History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s

[*History of Art and Architecture 173m. The Early Modern Artist]

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

[*History of Art and Architecture 271x. The Origins of Modernity: The “New” 18th Century]

Japanese Literature 133 (formerly Japanese Literature 250r). Gender and Japanese Art Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel Literature and Arts C-14. Concepts of the Hero in Greek Civilization

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]

Moral Reasoning 22. Justice

Portuguese 44 (formerly Portuguese 38). Images of Brazil: Contemporary Brazilian Cinema

Religion 1725. Buddhism and Social Change: Seminar

Visual and Environmental Studies 103. A Short History of Q - (New Course)

[Visual and Environmental Studies 180. Film, Modernity and Visual Culture]

Visual and Environmental Studies 181. Frames of Mind: Film Theory

*Visual and Environmental Studies 182. Film Architectures: Seminar

Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts

*Visual and Environmental Studies 185x. Visual Fabrics: Film, Fashion and Material Culture: Seminar

Visual and Environmental Studies 196. Women's Film and Video in France: Agnès Varda, Chantal Akerman and Claire Denis - (New Course)

