

# Bracketed Courses 2016-2017

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The courses were not offered during the 2016-2017 academic year, but were displayed as expected to be offered in an upcoming term.

## General Education

### AESTHINT 33 Ancient Fictions: The Ancient Novel in Context

CourseID: 124912

Faculty: David Elmer

Next Term Offered:

The novel is often thought of as a distinctively modern form, but Greco-Roman antiquity had its own version. Fictional prose narratives about adventure and romance in exotic lands were immensely popular in antiquity. We will explore this tradition by reading the five surviving Greek novels, the *Golden Ass* of the Roman Apuleius, and selected other texts, along with works by contemporary theorists and critics. Topics include: definitions of the "novel"; ancient representations of desire; gender and class politics; relationships between secular and religious narratives.

### AESTHINT 39 Chinese Stories: Tradition and Transformation

CourseID: 124661

Faculty:

Next Term Offered:

What makes a story prevail through time? We will visit the most beloved, enduring works in the Chinese tradition and discover cultural icons from the Handsome Monkey King to the Nobel prize-winning novel *Soul Mountain*. We will explore the cultural trends and themes that have been the stuff of popular Chinese novels, TV, cinema, and thought. This course offers a comprehensive, yet unique and unconventional window into Chinese tradition and modernity, past and present.

### AESTHINT 42 Revolution, Reform and Conservatism in Western Culture

CourseID: 125749

Faculty:

Next Term Offered:

What is the function of literary texts in moments, from Plato to the Russian

Revolution, that promise total, enlightened societal transformation? Each week, this course will focus on two texts related to selected ``revolutionary'' moments, one philosophical and one literary. Literary texts do not participate easily in the revolutionary order. They resist the textual simplicities of philosophy. Which do we trust: philosophy or literature? Texts include many found in traditional ``Great Books'' courses: Plato, Virgil, Augustine, Dante, Luther, Milton, Swift, Rousseau, Twain, Kant, Marx, and Chekov, among others.

## AESTHINT 54 For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

CourseID: 125190

Faculty:

Next Term Offered:

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.

## AESTHINT 57 American Dreams from Scarface to Easy Rider

CourseID: 109501

Faculty:

Next Term Offered:

This class familiarizes students with popular films produced during crucial junctures in the modern history of the United States, from the Great Depression and World War II through the Cold War, McCarthy era, and the 1960s. More specifically, we will study how Hollywood's dream factory responded to dramatic challenges that states of crisis and emergency posed to the founding ideals of our democracy. We will look at the wide range of functions that commercial fantasy productions assumed, how they at times legitimated and bolstered the status quo, but at others also interrogated, exposed, and even indicted social inequity. Course films provide a representative sampling of classical American features from 1932 to 1969, including *Scarface*, *It Happened One Night*, *The Wizard of Oz*, *Gone with the Wind*, *Citizen Kane*, *Casablanca*, *High Noon*, *The Invasion of the Body Snatchers*, *The Manchurian Candidate*, and *Easy Rider*.

## AESTHINT 60 Literature and Art in an Era of Crisis and Oppression: Modernism in

## **Eastern Europe**

CourseID: 124798

Faculty:

Next Term Offered:

The course will examine seminal literary works (with forays into film and art) from Eastern Europe in the first half of the 20th century with special attention to their response to convention, censorship and totalitarian strictures as well as "high modernist" experimentation and a "low modernist" focus on popular genres and a new poetics of trash. Focus on Kafka, Zamiatin, Bulgakov, Capek, Nabokov, Platonov, Witkacy, Schulz, Gombrowicz, Kulish, Xvyl'ovy, Vertov, Dovzhenko and others.

## **AESTHINT 62 California in the 60's**

CourseID: 156264

Faculty:

Next Term Offered:

This course examines American youth culture in the "long" 1960s through the lens of music in California. Both "popular" and "art" music will be considered, including early minimalism, songs from L.A. and the Laurel Canyon crowd, and San Francisco psychedelia. In addition to understanding musical forms, performance styles, and the effects of technology (radio, recording, electric instruments), the class will delve into the politics of race, gender, resistance, and the draft.

## **AESTHINT 63 East Asian Cinema**

CourseID: 110464

Faculty:

Next Term Offered:

This course introduces major works, genres, and waves of East Asian cinema from the silent era to the present, including films from Mainland China, Japan, Korea, Taiwan, and Hong Kong. We will discuss issues ranging from formal aesthetics to historical representation, from local film industries to transnational audience reception. This course does not assume prior knowledge of East Asian culture or of film studies, but rather seeks to provide students with a basic understanding of modern East Asian cultural history through cinema, and with an essential toolkit for analyzing film and media, including narrative, cinematography, editing and sound. In addition to critical approaches, students are strongly encouraged to creatively respond to course materials by collaborating on their own short films, beginning with the illustration of film terms in the first two weeks and culminating in the Oscar-like "Golden Monkey Awards."

## AESTHINT 64 Chaucer: The Canterbury Tales

CourseID: 146214

Faculty:

Next Term Offered:

One of the most astonishing, vibrant, multivalent texts in the English language, Chaucer's *The Canterbury Tales* contains characters high and low telling stories of edification and pleasure, in poetry and prose, on topics bawdy and pious. We will read this work in its entirety, while also looking at some of Chaucer's shorter poems and the historical and cultural milieu in which he wrote.

## AESTHINT 100 Advising 2017

CourseID: 109251

Faculty:

Next Term Offered:

PAF Support Course

## CULTBLF 11 Medicine and the Body in East Asia and in Europe

CourseID: 125189

Faculty:

Next Term Offered:

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.

## CULTBLF 13 The Contested Bible: The Sacred-Secular Dance

CourseID: 125217

Faculty: Jay Harris

Next Term Offered:

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.

## CULTBLF 14 Human Being and the Sacred in the History of the West

CourseID: 125198

Faculty: Sean Kelly

Next Term Offered:

A culture's understanding of what it is to be human interacts with its understanding of what is sacred. Great works of art in the culture typically reflect or articulate these notions. This course will explore the themes of human being and the sacred as they are manifested in some of the greatest works in the history of the West. Readings chosen from among Homer, Aeschylus, Virgil, the New Testament, Augustine, Dante, Luther, Pascal, Kant, Melville, and others.

## CULTBLF 27 Among the Nations: Jewish History in Pagan, Christian and Muslim Context

CourseID: 123621

Faculty: Jay Harris

Next Term Offered:

Can we trace an ``authentic'' Jewish identity through history, as distinct from many ``cultures'' of Jews in the multitude of times and places in which they have lived? This course provides an overview of major trends in Jewish civilization from biblical times through the early modern era (to approximately the 17th century), with this and related questions in mind, by engaging in close readings of traditional Jewish sources on the one hand and seeking contextual understandings of Jews and Judaism within various non-Jewish settings on the other.

## CULTBLF 28 Hindu Worlds of Art and Culture

CourseID: 126144

Faculty:

Next Term Offered:

An exploration of the narratives and arts of the Hindu tradition of India and wider South Asia focusing on the great gods -Vishnu, Krishna, Shiva, and Devi - the images through which the gods are envisioned, the temples and pilgrimage places where they are worshipped, and the ways in which they give expression to a profound vision of the world. Readings include the Ramayana, the Bhagavad Gita, the Gita Govinda, the Shiva Purana, and the Devi Mahatmya.

## CULTBLF 30 A History of Photography

CourseID: 117020

Faculty:

Next Term Offered:

Modern society is unthinkable without the photograph, and yet we rarely have occasion to ponder what photographs are, what they do, and how they do it. In this course, we will consider photography from its origins to the digital era, paying particular attention to its role as an engine of belief in various cultural domains. Our goal will be to understand more incisively how photographs define and shape relations between their subjects and their viewers.

## CULTBLF 40 Popular Culture and Modern China

CourseID: 120681

Faculty:

Next Term Offered:

This course examines ``popular culture'' as a modern, transnational phenomenon and explores its manifestation in Chinese communities (in People's Republic of China, Taiwan, Hong Kong, Southeast Asia and North America) and beyond. From pulp fiction to film, from ``Yellow Music'' to ``Model Theater'', from animations to internet games, the course looks into how China became modern by participating in the global circulation of media forms, and how China helps in her own way enrich the theory and practice of ``popular culture''.

## CULTBLF 41 Gender, Islam, and Nation in the Middle East and North Africa

CourseID: 118217

Faculty: Afsaneh Najmabadi

Next Term Offered:

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.

## CULTBLF 46 Music, Debate, and Islam

CourseID: 127185

Faculty: Richard Wolf

Next Term Offered:

This course focuses on the arts of sound practiced by Muslims and on debates associated with ``music'' in a range of Islamic contexts. The purposes are to understand from a musically informed perspective a set of interrelated musical practices that cut across regions (especially South and West Asia); and how different ideologies, philosophies, and texts\$associated with Islam locally, nationally, and internationally\$shape local understandings and constructions of sound. The content of classes will include lectures, discussions, live musical demonstrations and careful review of audio-visual materials. Students will also have the opportunity to learn to play or sing Persian music.

### CULTBLF 47 The Darwinian Revolution

CourseID: 117590

Faculty:

Next Term Offered:

Why is evolutionary theory so controversial in the public sphere? This course looks to the history of cultural changes in the West for answers. We cover the intellectual structure and social context of evolutionary ideas as they emerged in the 19th and 20th centuries, emphasizing Darwinism as a major transformation in Western thought. Topics include 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 the search for the gene; religious controversy then and now. The course alternates with Culture and Belief 20.

### CULTBLF 50 The European Postwar: Literature, Film, Politics

CourseID: 127826

Faculty:

Next Term Offered:

What happened in the last half century in European culture and politics? How can we read history through culture, and culture through history? This undergraduate lecture survey offers a general overview of European history since 1945, with a primary focus on some of the greatest works of postwar European film and literature. We will interrogate major trends in cinema and literature (e.g., expressionism, existentialism, neo-realism, minimalism, the New Wave, the realist political dramas of the 1970s, and so forth); in conjunction with new modalities of political discourse concerning communism, democracy, colonialism, and sexuality. Note: The course includes six classic novels by postwar European authors, and nine of the greatest postwar films by noteworthy European directors.

## CULTBLF 52 The American Evangelical Tradition from Jonathan Edwards to Jerry Falwell

CourseID: 123961

Faculty: David Hempton

Next Term Offered:

The purpose of the course is to investigate the evangelical tradition from its origins in the religious revivals of the eighteenth century to its contemporary role in American culture, society and politics. Notwithstanding its often stereotypical characterizations, the evangelical tradition is surprisingly eclectic and complex. A central objective of the course, therefore, is to explore that complexity in relation to gender, ethnicity, social class, and political culture. The course will make use of primary and secondary materials to shed light on evangelical theology, spirituality, and cultural expression in America and in a global context.

## CULTBLF 56 The Culture of Capitalism

CourseID: 108476

Faculty: Martin Puchner

Next Term Offered:

The course asks how cultural products, including literature, theater and film have captured the spirit of capitalism-fuelling its fantasies, contemplating its effects, and chronicling its crises. More than just an economic system, capitalism created new habits of life and mind as well as new values, forged and distilled by new forms of art. Core readings by Defoe, Franklin, O'Neill, Rand, Miller, and Mamet and background readings by Smith, Marx, Taylor, Weber, Keynes, and Hayek.

## CULTBLF 58 Case Studies in the Medical Humanities: Interdisciplinary Perspectives on the Experience of Illness

CourseID: 109790

Faculty:

Next Term Offered:

Disease and healing pose pragmatic and moral challenges for individuals and societies. Artists and writers have struggled to make sense of these tragic and transcendent experiences through fiction, poetry, art, and music. Scholars can explore these archives of the illness experience to understand not just disease and medicine but also what it means to be human. This interdisciplinary course examines how the medical humanities can change how we think about suffering, resilience, and caregiving. We will consider caregiving at different scales, from the

traditional focus on patient-doctor relationships to emerging concerns with climate change and planetary health.

## CULTBLF 61 Gender and Science

CourseID: 156924

Faculty: Sarah Richardson

Next Term Offered:

Why are women well represented in some fields of scientific study but not others? Do gender beliefs influence the content of scientific knowledge? How is gender encoded in the practices and norms of science? This course explores the intersection of gender and science from Bacon's seventeenth century call to raise a "masculine" science to the present. Topics include: girls, boys, and science education; gender and technology; women in the science professions; bias and objectivity in science; and gender and science in literature, film, and popular culture.

## CULTBLF 63 The Empire Strikes Back: Science Fiction, Religion, and Society

CourseID: 160332

Faculty:

Next Term Offered:

From the seventeenth century to today, science fiction has reflected the aspirations of scientific innovation and anticipated new discoveries. It has reflected rhetorical practices by which science melds present contexts with futurism, extrapolation, and promissory logics. Authors have engaged with ethical problems, fears about innovations gone awry, and pessimism about the prospects of technological development, all while critiquing views on gender, race, and sexuality, and subverting colonial ambitions while engaging postcolonial aspirations. At the same time, science fiction has engaged religious and spiritual views, both interacting with religious imaginaries and engaging with the role of religion in society and in relation to science.

In this course, we trace science fiction through history. We analyze how it has understood science and technology, war and colonialism, sex, race and gender, health and disease. We investigate how it has interacted with religion and influenced social and cultural attitudes. We will read major works in science fiction and understand how they live with and within us. Topics include: time travel, utopias and dystopias, race, gender, and sexuality, religion and culture, embodiment and disembodiment, posthumanism). In addition to novels and short stories, lectures will incorporate film, television, graphic novels, music videos, and other science fictional subgenres.

The course will be accompanied by a film series of major science fiction films and guest speakers (film series attendance is optional).

## EMREAS 20 The Business and Politics of Health

CourseID: 125932

Faculty: David Cutler

Next Term Offered:

Health and medical care pervade every aspect of our lives. This course uses quantitative methods (graphical analysis, algebra, data analysis) to examine issues related to health, disease, and systems for delivering health care. Topics to be covered include differences in health between rich and poor countries, differences in types of medical care and who receives it, and the political context for reforming health care policy. Techniques for analysis will be developed and demonstrated in class and section. The course uses examples from a variety of international settings, but focuses mainly on health and health care in the US.

## ETHRSON 15 If There is No God, All is Permitted: Theism and Moral Reasoning

CourseID: 146699

Faculty:

Next Term Offered:

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.

## ETHRSON 19 The Good Life In Classical India

CourseID: 123749

Faculty:

Next Term Offered:

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.

## ETHRSON 39 Money, Markets, and Morals

CourseID: 156035

Faculty: Michael Sandel

Next Term Offered:

What should be the role of money and markets in our society? Are there some things that money should not be able to buy? For example: Should people be permitted to buy sex, votes, babies, citizenship, or college admission? What about buying and selling the right to pollute, procreate, immigrate, discriminate, or to hunt endangered species? Should we use markets to allocate health care, education, and military service?

## ETHRSON 40 History of Human Rights

CourseID: 159646

Faculty: Samuel Moyn

Next Term Offered:

Is morality found or made? Every belief comes from someplace and somewhere, but we rarely think this affects its truth. Is morality neatly separable from the pathways and contexts thanks to which it comes to our attention? Taking contemporary human rights norms, laws, and movements as a case study, this course examines this question. We will study where human rights norms come from, the history of international organizations, and how non-governmental actors came to defend human rights. The relationship of human rights to the histories of governance, empire, warfare, emotions, and victimhood will be taken up.

## SCIPHUNV 20 What is Life? From Quarks to Consciousness

CourseID: 126148

Faculty: Logan S. McCarty

Next Term Offered:

This course views life through multiple lenses. Quantum physics involves uncertainty and randomness, and yet paradoxically it explains the stability of molecules, such as DNA, that encode information and are critical to life. Thermodynamics is about the universe's ever increasing disorder, and yet living systems remain ordered and intact. This course will examine how these physical laws underpin life and how life itself has diversified since originating 3.5 billion years ago.

## SCIPHUNV 21 Stellar Understanding of the Cosmos

CourseID: 114190

Faculty: Jonathan Grindlay

Next Term Offered:

Direct measurements of the stars and Sun with telescopes at the Science Center to learn how we can understand our solar system, Galaxy and the distant Universe from stars, the basic building blocks and markers of cosmic evolution. In small sections, students conduct both visual and computer-assisted telescope observations to measure key properties of stars and formulate their own cosmic understanding from simple physical laws. Solar observations are done in class on clear days; stellar observations use the 16in computer-controlled Clay Telescope on the Science Center rooftop in weekly 1.5 hour evening sections, which include data analysis and discussion of lecture and readings.

### SCIPHUNV 31 Energy Resources and the Environment

CourseID: 156316

Faculty: John Shaw

Next Term Offered:

The course provides an overview of the energy resources that we use to sustain our global economies, and explores the impact of these activities on our environment. We address the full life cycle of each energy resource, including its origins, methods used to explore for and exploit it, how it is used in our economies, and the environmental impacts of these activities. Topics include coal, petroleum (conventional and unconventional), nuclear power, geothermal systems, and renewable energy options (hydro, tidal, solar, wind power). Lectures and labs will introduce students to data and methods used in these energy and environmental sectors.

### SOCWORLD 14 The British Empire

CourseID: 125049

Faculty: Maya Jasanoff

Next Term Offered:

Less than a century ago the British Empire ruled a quarter of the world. This course surveys the empire's extraordinary rise and fall from the American Revolution to World War II. Course presents a narrative of key events and personalities, introduces major concepts in the study of global history, and considers the empire's political and cultural legacies for the world today. Includes multimedia presentations, in-class discussion and debate, and engaging readings ranging from Niall Ferguson to Mahatma Gandhi.

## SOCWORLD 25 Case Studies in Global Health: Biosocial Perspectives

CourseID: 124127

Faculty: Arthur Kleinman

Next Term Offered: 2017 Fall

Examines, through lectures 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.

## SOCWORLD 27 The Two Koreas

CourseID: 116999

Faculty: Carter Eckert

Next Term Offered: 2018 Spring

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.

## SOCWORLD 30 Moctezuma's Mexico: Then and Now

CourseID: 112754

Faculty: David L. Carrasco

Next Term Offered: 2017 Fall

Explorations of the mythical and social origins, glory days and political collapse of the Aztec Empire and Maya civilizations followed by study of the sexual, religious and racial interactions of the ``Great Encounter'' between Mesoamerica and Europe. Focus on the archaeology, cosmovision, human sacrifice, divine kingship, the mystery of 2012 and rebellion in Mesoamerican cities and in colonialism. Hands-on work with objects at the Peabody Museum aid in examining new

concepts of race, nation and the persistence of Moctezuma's Mexico in Latino identities in the Mexico-US Borderlands.

### SOCWORLD 33 Tokyo

CourseID: 117529

Faculty: Theodore Bestor

Next Term Offered:

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 place where Japanese domestic society and global influences have intersected. 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.

### SOCWORLD 38 Pyramid Schemes: The Archaeological History of Ancient Egypt

CourseID: 126641

Faculty: Peter Der Manuelian

Next Term Offered: 2018 Spring

Surveys ancient Egyptian pharaonic civilization. Emphasizes Egyptian material culture: pyramids, temples, tombs, settlements, and artifacts. Explores major developmental themes that defined the Egyptian state: the geographical landscape, kingship, social stratification, and religion. Follows a chronological path with excursions into Egyptian art, history, politics, religion, literature, and language (hieroglyphs). Also touches on contemporary issues of object repatriation, archaeology and cultural nationalism, and the evolution of modern Egyptology. Includes field trips to the Egyptian collections of the Peabody Museum and the Museum of Fine Arts, Boston, along with immersive 3D computer models in Harvard's Visualization Center. No prior experience in Egyptology expected.

### SOCWORLD 41 Medieval Europe

CourseID: 113789

Faculty: Michael McCormick

Next Term Offered:

From the ruins of the ancient world, women and men created a new civilization: Europe. Combining history, archaeology and science, this course examines the

extraordinary transformations of belief systems, warfare, technology, law and government, business practices, food production, disease and climate in the Middle Ages, between the fall of Rome and the Italian Renaissance. Themes include the spread of Christianity, the challenge of Islam, the Vikings, Crusades, feudalism, Europe's economic rise and the Black Death.

### SOCWORLD 42 The World Wars and Global Transformation, 1900-1950

CourseID: 126705

Faculty: Charles Maier

Next Term Offered:

Examines the origins, military history, and successive postwar settlements of World Wars I and II in the framework of evolving empires, fascist, communist, and democratic ideological mobilization, forced resettlement and cultures of mass violence, ongoing economic and social change (and persistence). Attention to Asian and African as well as European and American transformations.

### SOCWORLD 44 Human Trafficking, Slavery and Abolition in the Modern World

CourseID: 127538

Faculty: Orlando Patterson

Next Term Offered:

This course surveys the nature, types and extent of modern servitude, distinguishing broadly between those resulting from international trafficking such as trans-national prostitution, human smuggling into bonded labor, child soldiering and organ trafficking, and more intra-national forms such as debt-bondage and the domestic exploitation of women and other vulnerable groups. Examines the conceptual and theoretical issues raised in attempts to distinguish among these types of differential power relations; the empirical difficulties of estimating the magnitude of what are inherently secretive processes; and the ideological controversies surrounding the subject. Explores ethical, socio-political and practical issues raised by these trends.

### SOCWORLD 46 The Anthropology of Arabia

CourseID: 127125

Faculty: Steven C. Caton

Next Term Offered:

The Arabian Peninsula (Saudi Arabia, the Gulf States, Oman and Yemen) is the focus of this course. Among topics to be addressed are: tribal organization and its

continuing importance; gender relations; varieties of Islam and their influence; old and new forms of urbanism. Primary reading materials are ethnographic.

### US-WORLD 36 Innovation and Entrepreneurship: American Experience in Comparative Perspective

CourseID: 107712

Faculty: David L. Ager

Next Term Offered:

What gives rise to entrepreneurial opportunity and innovative activity? How do innovators and entrepreneurs think about the world? How are organizations born and how do they grow? How can innovation and entrepreneurship address the major challenges facing the world? The course will address these questions by bringing together faculty members of Harvard University to provide a diverse set of perspectives on the nature of innovation and entrepreneurship. The course has three complementary pedagogical methods. Members of the Harvard Business School faculty will provide a set of interactive lectures using case studies that illustrate how for-profit and not-for-profit organizations recognize and capitalize on opportunities. Second, faculty members from around the University will provide lectures on specific areas related to their expertise. Third, a set of group projects that allow students to work in the field with sponsoring organizations will be completed over the course of the semester.

### US-WORLD 38 Forced to be Free: Americans as Occupiers and Nation-Builders

CourseID: 108359

Faculty: Andrew Gordon

Next Term Offered:

The United States has launched numerous projects of military occupation and nation-building in foreign lands since the late 19th century. These have been contradictory enterprises, carrying ideals of freedom and self-determination "offered" by force or by fiat. This course will assess the meanings and legacies of these projects by examining the ideas, strategies, policies, and outcomes of occupations ranging from the Philippines and Haiti early on, to Japan, Germany, and Korea in mid-century to, most recently, Afghanistan and Iraq. The course focuses on American activities and ideas but also examines the responses of the occupied.

### US-WORLD 39 History of American Democracy

CourseID: 109544

Faculty: David Moss

Next Term Offered:

Today we often hear that American democracy is broken—but what does a healthy democracy look like? How has American democratic governance functioned in the past, and how has it changed over time? This course approaches American history with these questions in mind. Based on the case method, each short reading will introduce students to a different critical episode in the development of American democracy, from drafting of the Constitution to contemporary fights over same-sex marriage. The discussion-based classes will encourage students to challenge each other's assumptions about democratic values and practices, and draw their own conclusions about what "democracy" means in America.

US-WORLD 41 Power and Protest: The United States in the World of the 1960s

CourseID: 125516

Faculty: Lisa McGirr

Next Term Offered:

This course charts the key events, actors, ideas and strategies of collective movements for social change during the "long 1960s." It situates these mobilizations within the key economic, social and political developments in the post-World War II period in the United States and the world. Topics include Cold War politics from Eisenhower to Nixon, the civil rights movement, the new left, the women's movement, the war in Vietnam, black power, as well as the emergence of a revitalized political Right. The legacies of these movements and the more recent economic and political shifts that have challenged some of their core assumptions are also considered.

## African and African American Studies

### AFRAMER 16 Sociology of the Black Community

CourseID: 125925

Faculty:

Next Term Offered: 2018 Fall

This course examines issues of race, class, gender, and identity in the Afro-American community. Topics of special emphasis include the contemporary situation of the black family, class stratification and the conditions and prospects of the modern black middle class, black feminist thought, black educational performance, and the dynamics of race. Our objective is to arrive at a deeper sociological analysis and appreciation of the changing life experiences awaiting African Americans.

### AFRAMER 90R.A8 Ge'ez

CourseID: 202994

Faculty:

Next Term Offered:

Individualized study of Ge'ez at the elementary, intermediate, and advanced levels. Contact hours with language coach. Emphasis on literacy.

### AFRAMER 102X Urban Problems and the Role of the Expert

CourseID: 109516

Faculty:

Next Term Offered:

This course will equip students with qualitative research experience that focuses on the ways in which urban residents deal with the consequences of violence, crime, and injury. The class will meet once a week for a three-hour period. Each week students will either be on Harvard's campus or at their chosen field site. Field sites will be chosen early in the semester. Possible sites include: 1) a violence prevention program in Dorchester; 2) a homeless shelter in Boston; 3) a housing and tenants rights advocacy group in Roxbury; and 4) a physical rehabilitation center for war veterans in Jamaica Plain. While learning how to engineer a research project (that may eventually blossom into a senior thesis), students will be encouraged to examine how injury is both embodied and perpetuated through "structural violence," or the social forces that predetermine a population's

susceptibility for injury and illness. Offered jointly with the Graduate School of Design as SES 5506.

### AFRAMER 104Z Voodooizations and the Politics of Representation

CourseID: 127984

Faculty:

Next Term Offered:

This course will examine the process by which representations of Black spiritualities in film and media have constructed a genre of "voodoo" as well as "voodooizations" of different religious and spiritual beliefs. This class will not be about vodou or vodun the spiritual/religious belief system. Instead, we will address differing politics of representation, we will engage in theories of reception and commodification, cultural studies, performance theory, postcolonial theories, critical feminist and queer media studies.

### AFRAMER 108X Exploring Race and Community in the Digital World

CourseID: 109850

Faculty:

Next Term Offered:

This class will consider the study of race, ethnicity, and diaspora in relation to the digital world. Complex societal issues of power, domination, and bias follow us into digital spaces. Simultaneously, the much discussed digital divide has shifted from differential access to inequity in ownership, control, and content. The imagined democratizing promise of the digital exists in stark contrast to "the other".

Individuals and collectives use digital technologies to reproduce and address notions of social difference. Hate groups actively recruit members and propagandize online via chat rooms, websites, social media, and virtual world games. Anti-racism organizations and individuals expose hate groups, educate on race and gender, transform the digital humanities to be more inclusive, and critique and advocate against faulty policies and stereotypical representations of minority groups. Digital environments are crucial spaces for research, critique, and social engagement on intolerance and inequality and simultaneously, positive ways of commemorating, representing, and engaging with shared experiences of race, gender, and ethnicity. Weekly workshops will feature expert guest visitors from a variety of interdisciplinary and cross-cultural backgrounds, and will be organized around a series of themes that are key to studies of race and technology. These workshops, open to faculty and students, will meet Thursdays from 11:30-1 pm. 30 students will be permitted to take this as a course; they will also meet on Tuesdays, 11:30-1 pm. Innovative assignments will develop student skills in digital research, content creation, and design.

## AFRAMER 111 Spectral Fictions, Savage Phantasms: Race and Gender in Anti-Racist South African & African America

CourseID: 126698

Faculty:

Next Term Offered: 2018 Fall

Why have social orders like Apartheid South Africa and White Supremacy in segregated America that are based on extreme racial, gender and national oppression always generated often violent, hallucinatory fictions of the racial and gender identities of the oppressed? And why have the oppressed in turn often internalized these sorts of fictions and also produced counter-fictions that more or less conform to the same violent, phantasmic logic? In this course, we will explore how these fictions and counter-fictions are reproduced and challenged in some of the most powerful, canonical works of drama, fiction and cinema by South African and African American authors and filmmakers. As the Nigerian author, Chinua Achebe once famously remarked: "where one thing stands, another thing will stand beside it." To this end, we will pay special attention in the course to how, both in form and in content, race and gender always seem, constitutively, to intersect in these fictions and counter-fictions. The course is thus a study in the dark, violent but generative cultural unconscious of modern racialized and gendered identities.

## AFRAMER 112 Black Humor: Performance, Art, and Literature

CourseID: 122487

Faculty: Glenda Carpio

Next Term Offered: 2017 Spring

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.

## AFRAMER 116X The Child in the Empire

CourseID: 159568

Faculty: Jamaica Kincaid

Next Term Offered: 2016 Fall

A close reading of how childhood is portrayed in fiction and non-fiction in colonial

society. Readings from: Naipaul, Soyinka, Dorris Lessing, Merle Hodge, Tsitsi Dangarembga, Simone Schwartz-Bart, among others.

### AFRAMER 116Y Landscape and The African American

CourseID: 159569

Faculty: Jamaica Kincaid

Next Term Offered: 2018 Spring

A people often come to regard the places in which they have lived for generations as a positive influence in every way on their character; that they and the land are inseparable. Close readings of how this idea is presented in African Diaspora literature. To be read: a number of slave narratives, Baldwin, Wright, Morrison among others.

### AFRAMER 117X Of Mean Streets and Jungle Fevers: Race, Gender and Ethnicity in Martin Scorsese and Spike Lee

CourseID: 107401

Faculty:

Next Term Offered:

Against the background of radical theories of racial formation and identity politics in America, this course will comparatively explore controversial images of African Americans and Italian Americans in selected films of two of the most important contemporary American filmmakers, Martin Scorsese and Spike Lee. On their road to becoming iconic figures in America's contemporary cinematic and artistic avant-garde, Scorsese and Lee radically transformed received or conventional perceptions of Italian Americans and African Americans in mainstream American film. In this course, we will explore both similar and contrastive styles and approaches by the two filmmakers. Special attention will be paid to popular and scholarly discourses that the selected films of Scorsese and Lee have generated.

### AFRAMER 117Y Specters of Race and Paroxysms of Violence in Scorsese and Tarantino

CourseID: 110493

Faculty:

Next Term Offered: 2017 Fall

Through such films as "Taxi Driver", "Raging Bull", "Pulp Fiction" and "Django Unchained", the course will explore the avant-garde techniques of cinematic storytelling that Scorsese and Tarantino deploy to explore America's obsession

with the figure of the black male as both a victim and purveyor of extreme violence.

### AFRAMER 122X The History of African Americans from the Civil War to the Present

CourseID: 156252

Faculty:

Next Term Offered:

This course traces the social, political, and economic developments that shaped black history and culture from the Civil War to the present. Coming at a critical juncture in national and world history, the course surveys the diverse currents of African American experiences in the United States.

### AFRAMER 123X Mass Incarceration in Historical Perspective

CourseID: 156254

Faculty:

Next Term Offered: 2018 Fall

Today 1 in 3 African American boys will spend part of their lives behind bars, a profound reflection of the limitations of law and democracy in the United States. By examining the connections between race and the development of legal and penal systems over time, this course investigates the historical process that eventually gave rise to the mass incarceration of black and Latino Americans in the late twentieth century. The course is structured according to the major punitive changes that often emerged after the expansion of constitutional and civil rights for African Americans. Our historical consideration will provide us the necessary background to address the ongoing consequences of racial disparities in the criminal justice system and the momentous public policy implications of this dynamic.

### AFRAMER 124X Afro-Latino Letters

CourseID: 156058

Faculty:

Next Term Offered:

Exploration of literary, historical, philosophical writings by Afro-Latin Americans including Latinos in the United States.

## AFRAMER 125X Urban Inequality after Civil Rights

CourseID: 156259

Faculty:

Next Term Offered: 2019 Spring

Why is the United States more segregated today than ever before? By examining the impact of social, political, and economic transformations in the decades after the civil rights movement, this course addresses historical developments that functioned to increase segregation and income stratification in African American communities in the late twentieth century and into the twenty-first. Offered jointly with the Graduate School of Design as SES 5507.

## AFRAMER 128 Black Nationalism

CourseID: 115716

Faculty:

Next Term Offered:

This course surveys that diverse yet thematically connected set of social philosophies generally classified under the broad rubric "black nationalism." We will take an interdisciplinary approach to reading the canonical primary documents in the tradition, focusing primarily on black nationalism as a social theory, a political philosophy, and an intellectual tradition. Though some attention will be given to black nationalist organizations and social movements, the main focus will be on black nationalist ideas. We will critically examine the ideas of a few key theorists and iconic spokespersons and take up the core themes of the tradition. Topics to be explored include the varieties of black nationalism; black self-determination; black capitalism; the ideas of "race" and "nation"; racial solidarity and group self-reliance; self-defense and political resistance; the construction of gender roles and configurations of class within black nationalist discourses; the relationship between black identity and black liberation goals; the role of black artistic and cultural expression in black freedom struggles; the significance of Africa for black nationalist ideals; and the relevance of black nationalism for contemporary African American politics. In addition to critics of black nationalism such as Frederick Douglass and Martin Luther King Jr, we will discuss some contemporary critical assessments of the tradition and its legacy. The figures to be considered include David Walker, Martin Delany, W.E.B. Du Bois, Marcus Garvey, Frantz Fanon, Malcolm X, Stokely Carmichael, Amiri Baraka, and Huey Newton.

## AFRAMER 130X Richard Wright: Literature, Philosophy, and Politics

CourseID: 156260

Faculty:

Next Term Offered:

This course examines the major fiction and nonfiction works of Richard Wright

from a literary, philosophical, and political perspective. We will take an interdisciplinary approach to this wide-ranging and canonical American author, contextualizing him within the broader tradition of black letters. Readings include but are not limited to Uncle Tom's Children, Native Son, Black Boy, American Hunger, 12 Million Black Voices, The Outsider, Black Power, The Color Curtain, White Man Listen!, and Eight Men. The course also explores major influences in Wright's development including the work of Marx, Sartre, and Freud.

## AFRAMER 132X The Black Power Debates: Politics, Philosophy, and Culture

CourseID: 160417

Faculty:

Next Term Offered:

From the mid-1960s through the 1970s, the political and cultural lives of African-Americans were riven by an extraordinary moment of radicalism, experimentation, and transformation known as the Black Power Movement. Our popular memory of this era, with its iconography of Afros, guns, and riots, has unfortunately obscured many of the most challenging political and ethical dilemmas it brought to the fore, as well as more serious assessments of why Black Power emerged and what, if anything, political struggle under this sign achieved. This course, therefore, will return to primary sources from this era, as well as retrospective reflections, in order to engage the complex philosophical, political, economic, and cultural arguments that animated the passionate debates, intensive struggles, and tragic violence this movement engendered, at home and abroad. This task is especially important in our contemporary moment, where "Black Lives Matter" activists make frequent reference to Black Power icons and American cities are experiencing violent unrest. The course will cover such topics as the philosophy and sociology of nationalism; political violence, riots, and non-violent protest; political theology and soulcraft; critiques of integrationism; aesthetics and politics; "identity" politics; and feminist, liberal, conservative, and leftist criticisms of Black Power. For advanced undergraduates and graduate students with some knowledge of post-World War II African-American history.

## AFRAMER 132Y Issues of Race, Culture, and Class in 'Post-Civil Rights' Political and Social Theory

CourseID: 160418

Faculty:

Next Term Offered: 2017 Fall

In 1968, Martin Luther King and Robert F. Kennedy were assassinated, Richard Nixon was elected, and the 1965 immigration act allowing for expansive

immigration from non-European countries finally went into effect. These events, coupled with the dismantling of *de jure* segregation just a few years earlier heralded a massive set of changes underway in the political, racial, and cultural composition of the United States. This course explores some of the most interesting and challenging efforts of political theorists, philosophers, social theorists, and cultural critics interested in issues of race, culture, and class to come to terms with this “post-civil rights” landscape and articulate normative principles, critical social theories, and political programs that speak to enduring injustices, recently emergent problems, and possible futures.

### AFRAMER 134 African-American Political Thought: From Slavery to Black Power

CourseID: 160416

Faculty:

Next Term Offered:

This introductory course is a survey of influential figures and primary texts in the history of African-American political thought from some of the earliest extant political writings by African-Americans in the era of chattel slavery, through the classical phase of the civil rights movement and into the black nationalist and feminist writings of the late 1960s and 1970s. Close attention will be paid to African-American intellectuals’ engagement with political debates in the U.S. and worldwide, as well as those more specific to competing traditions within African-American politics. Students will be expected to engage with both well-known African-American thinkers and less-remembered figures using interpretive approaches drawn from political theory and the history of political thought, which will be integrated throughout the syllabus. No prerequisite required.

### AFRAMER 135X Reading Du Bois

CourseID: 108234

Faculty:

Next Term Offered:

This course will treat the historical and political writings of W. E. B. Du Bois-historian, activist, philosopher, and social theorist, one of the foremost intellectuals of the twentieth century, and arguably the founder of the field of African and African American Studies. From *The Suppression of the African Slave Trade to the United States of America* (1896) to *The World and Africa* (1947), Du Bois traced a course across many of the most important currents of global, black, and intellectual history: Pan-Africanism, Marxism, and Anti-imperialism, in particular.

## AFRAMER 136 Black Religion and Economic Thought

CourseID: 126703

Faculty:

Next Term Offered:

Since Emancipation African American religious leaders and their congregants have employed religion not only as a means of achieving social and political mobility, but also as a means of securing economic growth and independence in light of the conditions created under American capitalism. These approaches have varied from the pragmatic strategies of Booker T. Washington, the socialist leanings of Rev. George Washington Woodbey, the "poor people's campaign" of Rev. Martin Luther King, Jr., and the increasingly popular prosperity ministries of today's neo-Pentecostal and Word of Faith communities. Such changes in strategies often coincide with changes in America's political economy over the past century. This course attempts to interrogate the development of these various strands of economic thought using texts by scholars like Max Weber (*The Protestant Ethic and the Spirit of Capitalism*), E. Franklin Frazier (*The Black Bourgeoisie*), and David Harvey (*An Introduction to Neoliberalism*) as anchoring texts to frame the social, economic and political contexts in which these strategies emerge. Other texts, including autobiographies, ethnographies, and histories offer details of how these religious understandings are framed and practiced.

## AFRAMER 137 Literature, Oratory, Popular Music and the Politics of Liberation

CourseID: 123434

Faculty: Biodun Jeyifo

Next Term Offered: 2017 Fall

Against the historic background 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 genres and media like literature, oratory, and popular music impact people of different racial groups, gendered identities and social classes. Among the authors, public intellectuals and performers whose works we will explore are Ralph Ellison and James Brown, Wole Soyinka and Fela Kuti, Derek Walcott and Bob Marley, and Toni Morrison and Aretha Franklin.

## AFRAMER 139X Power, Struggle, and Abolition in the Atlantic World

CourseID: 107914

Faculty:

Next Term Offered:

History is often interpreted as the struggle for power. This course examines how resistance plays a central role in the formation of individual and collective identities among black historical actors in the Atlantic world. The course focuses on the power struggles and efforts by black people to affect social and political change particularly during the eighteenth and nineteenth century. In this class students will cover the significance of major slave rebellions, revolutions, and abolitionist movements within the Atlantic World. Among the questions we consider are: How do powerless people acquire and exercise power? What are the obstacles they must overcome? How do black people living in the Atlantic world perceive, predict, and procure power? How do they define their own empowerment? The course will offer insights on the complexity of the region's peoples, and will contribute to students' critical thinking. In papers, students will discuss interpretive questions that focus specifically on the representations, historiographical debates, and the theory of Atlantic world history.

### AFRAMER 140X Film, Fiction and Diaspora

CourseID: 109466

Faculty: Biodun Jeyifo

Next Term Offered: 2018 Spring

This course will explore important works of film and fiction on the African diasporas in the Americas and the Caribbean. Since diaspora unfolds in waves that include both very old and very recent immigrant populations, we will explore both classic and contemporary films and novels with regard to this separation and connection between old and new diasporas. Moreover, our explorations will extend to diverse national and cultural spaces of the African diaspora –Hispanic, French/Creole and English. A special feature of the course is an introduction - in the form of homage and celebration - to classic works of cinema and fiction on the African diaspora that have almost been forgotten. Finally, we will examine differences and similarities between the experience of diaspora in earlier times and in the new millennium.

### AFRAMER 141X Prejudice and Racism in Modern Society

CourseID: 110076

Faculty: James Sidanius

Next Term Offered: 2016 Fall

This course provides a survey of the psychology of prejudice and racism, the scientific study of human feeling, thinking, and behavior in situations involving conflict between groups. More broadly, we will consider the psychological factors that contribute to the perpetuation of inequality and discrimination. Throughout the course, we will consider both proximate (immediate) influences on behavior, such as the immediate social situation as well as distal (more remote) influences on

behavior, such as human evolution. We will also consider both conscious and unconscious attitudes and behavior.

### AFRAMER 143 Representing Blackness: Media, Technology and Power in Hiphop Culture

CourseID: 124602

Faculty:

Next Term Offered:

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.

### AFRAMER 145X The Hiphop Cipher: "These are the Breaks"

CourseID: 108837

Faculty: Marcyliena Morgan

Next Term Offered: 2018 Spring

The Hiphop Cipher is an in-depth look at aspects of hiphop. It is for students who have taken courses on hiphop and popular music and culture. It closely examines a particular issue and topic and includes guest lecturers and master classes on areas or issues in hiphop culture, art, scholarship and performance. These are the Breaks: The connection between vinyl from the 60's, 70's and 80's and birth of what we now know as hip-hop music, is a connection that is known by producers, DJ's and collectors of music, but not to academia. Various political, cultural, and social movements of the 1960's created an environment for the stories of soul, jazz, and funk produced in the 1970's, which in turn created the platform for our most treasured hip-hop albums (Illmatic, The Blueprint, The Chronic, College Dropout, The Minstrel Show). "Diggers" from around the world travel from country to country, from record shop to basement, in search of the original "breaks" used for these albums, in some cases for 10+ years. This course examines the important break beats in hiphop and the cultural, political and social movements and contexts that the beats, songs and production represented.

### AFRAMER 151X Hiphop Activism: From Katrina to Ferguson

CourseID: 157114

Faculty:

Next Term Offered:

This course examines how Hiphop political and social activism has changed how

young Americans understand citizenship and active participation in society. We draw on prior research on youth activism in the U.S. and the racial and social class critique introduced in what is known as the 'golden era' of Hiphop. The 'golden era' occurred between the late 1980s and the mid 1990s. It is generally described as a period of experimentation in music and the introduction of socially conscious lyrics. It was during this period that social activists argued that Hiphop culture would lead to social change. In fact several Hiphop related organizations did develop including: Russell Simmons Hiphop Summit, League of Pissed Off Voters, Bad Boy's Vote or Die campaign and Black August. The overall influence of hiphop activism became apparent in 2005, when Katrina devastated the Gulf areas. For example, Lil Wayne's "Tie My Hands" told the heartbreaking, yet important, story of New Orleans' destruction after Hurricane Katrina and the political mismanagement that compounded the tragedy. The movement against police conduct in Ferguson has also resulted in Hiphop's response. While many are supportive, established leaders lament what they perceive to be a lack of leadership. This course addresses key questions: How do we define activism in the age of Hiphop? What is the relationship and differences between movements like Freedom Summer and Katrina and Ferguson activism. In addition to the traditional aspects of assigned readings, lectures and class discussions, this class will include a significant research component on Katrina and Ferguson protests. There will also be visits with experts in the field, and several activities beyond the classroom.

## AFRAMER 153X Hiphop America: Hiphop Feminism From "Ladies First" to "Ride or Die"

CourseID: 159684

Faculty:

Next Term Offered:

Women have been an important part of Hiphop culture since its beginnings in the 1970s. As more artists, bloggers and scholars debate feminism and sexuality, young feminist scholars are introducing new approaches and theories that incorporate the multiple and intertwining layers of gender, sexuality, race and social class within Hiphop and as a basis for revealing and understanding the social lives of women and girls. Hiphop feminism disrupts second-wave conceptualizations of good or bad feminist identities and essentialism. This course seeks to address, analyze, explore and contest the political aspects of Hiphop music and culture through a close examination of feminism. It is an analytic space for debate and discussion about the impact of Hiphop culture on the sexual, gender and political understandings of Americans and others around the world. In addition to the traditional aspects of assigned readings, lectures and class discussions this class will include a significant independent research component, visits with experts in the field, and several activities beyond the classroom.

## AFRAMER 154 Language and Discourse: Race, Class and Gender

CourseID: 115725

Faculty: Marcyliena Morgan

Next Term Offered: 2016 Fall

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

## AFRAMER 158X The Key to Making It: Educational Progress and Barriers among Black Americans

CourseID: 160402

Faculty:

Next Term Offered:

This course combines the study of the historical trajectory of educational achievement among African Americans with a sociological analysis of the challenges they have faced in attaining educational equity, with a focus on the current situation. The course will review the structural barriers to educational achievement that blacks have faced at different periods in the history of the US and the cultural strengths, such as the high value placed on education, that have driven them to achieve. The persistence of racial barriers in the current era and their importance for social mobility, particularly among working class and poor blacks, will be discussed.

## AFRAMER 160 Christianity, Identity, and Civil Society in Africa

CourseID: 125927

Faculty: Jacob Olupona

Next Term Offered: 2017 Spring

This course is a historical survey of the centuries-old Christian traditions in Africa. It begins with an outline of the trajectory of Christianity's origins and presence in Africa from its beginning in ancient Mediterranean lands through the early period of European missionaries to the contemporary period. The course provides the ethnography of the old mission churches, indigenous independent African churches, and contemporary evangelical and Pentecostal Charismatic movements. The course explores the role of Christianity in relation to historical, cultural, social, and material realities of the African continent. It examines a broad range of topical issues related to conversion, missionization, and the development

and growth of Christian agencies in Africa in relation to the construction of social, theological, and religious identities, as well as Christianity's response to cultural pluralism, nationhood, citizenship, and civil society.

### AFRAMER 161 Religion, Diaspora, and Migration: Seminar

CourseID: 125928

Faculty: Jacob Olupona

Next Term Offered: 2018 Spring

This seminar explores critical and interdisciplinary approaches to the place of religion and the emergence of the new immigrant and diaspora communities in the modern world, and the discourses emerging from the practice of diaspora and migration scholarship. Using historical, ethnographic, and textual sources, the course will illuminate the lived religious experiences of immigrant and diaspora communities in the United States and elsewhere. It introduces critical perspectives on forms of interaction between religion and other aspects of social identity - ethnicity, gender, nationality, race, age, and sexuality, as well as transnational and global influences on social and cultural identity. The course also examines the complex networks of economic, cultural, and technological innovations that the "new" diaspora and immigrant communities have developed to make sense of their spiritual and cultural lives in new situations.

### AFRAMER 162 Indigenous Religious Traditions and Modernity: Seminar

CourseID: 125929

Faculty:

Next Term Offered:

This seminar explores historical, theoretical, methodological, and conceptual issues central to the study of indigenous religions of the world. It examines the critique of indigeneity and explores emerging topics about the role that religion plays in indigenous peoples' lives, communities, and societies. Special topics will explore issues related to land, environment, conversion, health, the state, gender, aggression, violence, justice, and human rights. The seminar examines the interface of indigenous religions and modernity, colonial and postcolonial conditions, and local and global forces that shape the practices of indigenous traditions in various regions of the world.

### AFRAMER 164 Mother Tongue: African American English and Social Change

CourseID: 126716

Faculty: Marcyliena Morgan

Next Term Offered: 2017 Spring

This course focuses on African American English and discourse and provides a critical exploration into the notions of language life, death and power. It is concerned with the language, discourse and symbolic systems that construct and represent race, class and gender in the US. We use methods from linguistic anthropology and philosophy to explore language ideologies and the relationship between power and powerful speech. In this course we will review and critique theories of language, communication, culture, and identity as they relate to ethnicity, race, gender, and power. In particular, we are interested in how language mediates and constructs identity, how we associate language with race, class and gender, and how we resist and manipulate these associations. To answer these questions we examine both public and popular culture, as well as education, literature, film and other media. Topics include: Discourse of Politics, Race, Class, Radical Language Theory and Ideology, Breaking and Making Linguistic Rules. Marking Blackness, Normalizing Blackness, Grammaticalization and Ideology.

### AFRAMER 166 Women's Language and Discourse in the African Diaspora

CourseID: 108216

Faculty:

Next Term Offered:

The course focuses on language as a social construct and its importance and constitutive function in culture, appropriation, and performance of gender within and across traditional and national lines. The purpose of this course is to study, analyze and critique theories concerning the discursive construction of gender identity(s) and forms of representation of cultures. It will explore the relationship between power and powerful speech through reviews and critiques of theories of language, culture, and identity as they relate to gender, and nationalism. In particular, we will focus on how language and identity are constructed and mediated in literature, film and other media. Finally we will explore language and discourse surrounding women's language as well as language discourse styles used in the construction of regional, national, and global communities.

### AFRAMER 170X African Landscape and Environment

CourseID: 109462

Faculty:

Next Term Offered:

### **AFRAMER 171X African Art: An Introduction**

CourseID: 109461

Faculty:

Next Term Offered:

### **AFRAMER 173X Primitivism**

CourseID: 109463

Faculty:

Next Term Offered:

### **AFRAMER 174 The African City**

CourseID: 118130

Faculty:

Next Term Offered:

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.

### **AFRAMER 178 Health, Society, and Subjectivity in the American Context**

CourseID: 127878

Faculty: Laurence Ralph

Next Term Offered: 2017 Fall

While diseases are often imagined to be scientific, medical conditions, they are also social constructs. In the nineteenth century, for example, the condition of Dysaesthesia Aethiopis (an ailment that made its sufferers "mischievous") was considered nearly universal among free blacks. Today, diseases like AIDS and tuberculosis are often associated with personal attributes, while the social forces at work to structure risk for acquiring these illnesses are glossed over. This course examines the ways people reproduce and challenge contemporary visions of society through the lens of social injury, and in the process cultivate subjectivities that are marked by race, gender, class.

## AFRAMER 179 Jazz, Freedom, and Culture

CourseID: 117452

Faculty: Ingrid Monson

Next Term Offered: 2018 Spring

This course explores the history of the musical tradition known as jazz from its roots in African American popular musical styles at the turn of the 20th century to its contemporary life as a global improvisational art music. We devote considerable attention to the history of jazz improvisation as a musical process and also explore the cultural, aesthetic, racial, and social debates that shaped the development of the music. On the one hand, jazz fashioned itself as the ultimate modern music with freedom and justice for all, and, on the other, provided an arena in which complex debates about race, cultural ownership, and social disparity repeatedly took place.

## AFRAMER 180X Race, Class and the Making of American Religion

CourseID: 127784

Faculty:

Next Term Offered:

This class explores the ways in which both race and class are implicated in the development and practice of religion in the U.S. Through historical, anthropological and sociological works we explore the theoretical underpinnings of race and class and ponder their influence upon varying expressions of Islam, Judaism and Christianity.

## AFRAMER 182 From R & B to Neo Soul: Black Popular Music and Cultural

### Transformation

CourseID: 124607

Faculty:

Next Term Offered:

The course focuses on the history of African American popular music from Ray Charles to P-Funk to Erykah Badu with particular emphasis on its long-term impact on American culture. The rise of classic R &B, Soul, Motown, Funk, the Philly Sound and Neo-Soul are featured. Key artists include Ray Charles, Aretha Franklin, the Supremes, Curtis Mayfield, James Brown, Stevie Wonder, George Clinton, Michael Jackson, Prince, Jill Scott, Erykah Badu, Usher, Alicia Keys, and D'Angelo. The course is especially concerned with tracing the interrelationships among music, politics, spirituality, and race relations during the Civil Rights and Black Power years and their legacy for today. During these years the sound of

African America indelibly shaped mainstream American popular culture in far reaching and transformative ways.

### AFRAMER 183X Queer of Color Theory

CourseID: 108166

Faculty:

Next Term Offered:

An advanced seminar in theories and processes of theory-making by queer people of color in the US from the Harlem Renaissance through the present. Topics include feminism, AIDS, spirituality, community, migration, affect, and performance. Texts include works by Audre Lorde, Cherríe Moraga, Gloria Anzladúa, Marlon Riggs, Cathy Cohen, E. Patrick Johnson, José Esteban Muñoz, Cheryl Dunye, David Eng, Sharon Bridgforth, Omi Osun Joni Jones, Roderick Ferguson, and Jewelle Gomez.

### AFRAMER 184X Women, Religion and Redemption

CourseID: 159618

Faculty:

Next Term Offered:

### AFRAMER 186X Childhood in African America

CourseID: 108168

Faculty:

Next Term Offered:

A seminar on children and childhood in African American history and cultures from 1773 through the present. Authors may include Phillis Wheatley, Frederick Douglass, W. E. B. Du Bois, Langston Hughes, Toni Morrison, and Suzan-Lori Parks; topics may include slavery, abolition, literacy, popular performance, film and television, Civil Rights, celebrity, the Moynihan Report, systemic violence (including poverty), education, and the American Girl Dolls.

### AFRAMER 188X Contemporary Art in Africa: Proseminar

CourseID: 156329

Faculty:

Next Term Offered:

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.

### AFRAMER 189X Medicine, Culture, and Society

CourseID: 108677

Faculty: Jean Comaroff

Next Term Offered: 2018 Spring

This course examines the changing place of medicine in the long history of modernity. Focusing on key moments - the birth of the clinic, the colonial frontier (where biomedicine met its therapeutic "others"), the consolidation of medicine as self-governing profession, the age of genomics and biocapital - it explores the distinctive role of medical knowledge in the making of modernist persons, identities, and social worlds. Readings are drawn from across the social sciences, with material from Africa, Europe, and North America. Part lecture, part discussion, the class will be open to upper-level undergraduates and graduates.

### AFRAMER 190X The Anthropology of Law: Perspectives from Africa and Elsewhere

CourseID: 108678

Faculty: John Comaroff

Next Term Offered: 2018 Spring

The course will cover (i) classical readings in the field, (ii) conceptual questions focusing on the often counter-intuitive theoretical insights to be gained from the non-Western legal systems, (iii) law and colonialism, (iv) liberalism, difference, and the law in the postcolonial world, and (v) the judicialization of politics around the globe. Throughout, attention will be given to the lessons to be learned from legal anthropology for interrogating the present moment in the global north. Grades will be based on class participation, course presentations, and a term paper.

### AFRAMER 196X Contemporary Africa and Sustainable Development

CourseID: 110140

Faculty:

Next Term Offered: 2017 Spring

How do we understand development in Africa? This introductory course explores the question of sustainable development through a number of methods and

perspectives, such as education, health, governance, (post-)conflict, and human rights. The course will examine the challenges of development, understood as the interaction between economic, environmental, political, and social processes. Students will gain the tools needed to examine African contexts today, including policy choices and the use of indicators and comparative analysis.

### AFRAMER 198X Scientific Racism: A History

CourseID: 110497

Faculty:

Next Term Offered:

This course focuses on the history of "race" as a category of difference and explores why "race" has become a globally-accepted idiom to classify humans. It assesses the prominent roles that science and scientists have played in the process of naturalizing "race" and analyzes how "scientific" theories of race were developed and disseminated globally in the modern period. We trace the formation of these ideas in the North Atlantic, their diffusion to various areas of the world, and the manner in which cultural and political elites adopted or challenged them. We will devote considerable time to the emergence of eugenics, the science of racial improvement, in Europe, the Americas, and Africa and study the process of institutionalization of this science in Nazi Germany and elsewhere, including the United States. A final section of the course discusses the impact of contemporary science on ideas of race. Students in this class will work with texts and archival materials related to these scientists, some of whom were Harvard faculty.

### AFRAMER 208 Social Theory, In and Out of Africa

CourseID: 160333

Faculty:

Next Term Offered:

Social Theory, In and Out of Africa examines, in critical depth, the major theoretical and methodological approaches that have shaped the history of Anglo-American anthropology and, more generally, social thought through the prism of Africa. In so doing, it will address (i) the historical roots and philosophical foundations of these approaches and (ii) their significance for contemporary concerns in the social sciences at large. Juniors and seniors admitted with instructor approval.

### AFRAMER 213 One Drop of Spit: Re-Inventing Race in the Age of Genomics

CourseID: 159573

Faculty: Evelynn Hammonds

Next Term Offered: 2016 Fall

This course will examine how new technologies in genomics have transformed the study of human genetic variation in people around the world. These new technologies are transforming our understanding of human origins and the pathways along which human beings have populated the globe. They have spurred the use of genetic tests in medicine and forensics and brought new uncertainty to notions of identity, kinship, and citizenship. The course will focus on how historians of science and medicine, scientists, and social scientists engage with these new technologies and their scientific, societal and political currency.

### AFRAMER 216 Mau Mau on Trial: History, Law and the High Court of Justice

CourseID: 110106

Faculty:

Next Term Offered:

This course will offer an in-depth examination of the historic Mau Mau reparations case in London's High Court of Justice, and the ways in which historical and legal expertise combined to produce a landmark settlement more than fifty years after British colonial rule in Kenya. Drawing upon the instructors' direct involvement in the case, this course will look at the revisionist history that provided the basis for the claims, the particulars of the case, and the historic nature of the two strike out hearings, as well as the British government's settlement of the claims in 2013. The course will also place this case in comparative perspective, both with regard to other historical reparations cases, as well as potential future cases from the former British Empire and elsewhere.

### AFRAMER 217 Graduate Seminar: Themes in Modern African History

CourseID: 109464

Faculty:

Next Term Offered:

This proseminar introduces students to some of the main themes and core literature in the history of modern Africa. The focus of this proseminal will be on the major questions that have dominated the historiography, as well as current and future trends in the field. Sources and methods will be an implicit part of this course, as will theory, ranging from classical theorists, such as Marx and Weber, to more recent theorists such as the Comaroffs, Chakrabarty, and others. This course is designed to let students sample ways of interpreting the histories of modern Africa, and to provide a framework that will enable them to think critically when reading the field on their own.

## AFRAMER 219A Proseminar: Race and Ethnicity in Latin America

CourseID: 110494

Faculty:

Next Term Offered:

This seminar introduces students to current questions and debates in the study of race and ethnicity in Latin America. The course analyzes how different "racial formations," incorporating different combinations of indigenous, African, and European peoples and their descendants, have developed in Latin America since colonial times. Through the systematic comparison of several cases, the course discusses how ideas of race and nation have interacted in Latin America, shaping opportunities for mobilization and public policies; how racial identities have been formed and invoked for different cultural and political purposes; and how ideas of race and ethnicity have contributed to the stratification of Latin American societies, which are among the most unequal in the world. A final section looks at the creation of transnational networks of cooperation by indigenous and black activists and how their exchanges have shaped ideas of race and forms of mobilization in their respective societies. Students in this class will have the opportunity to meet with the authors of some of the works we are reading. Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## AFRAMER 219B Proseminar: Race and Ethnicity in Latin America

CourseID: 159798

Faculty:

Next Term Offered:

This seminar introduces students to current questions and debates in the study of race and ethnicity in Latin America. The course analyzes how different "racial formations," incorporating different combinations of indigenous, African, and European peoples and their descendants, have developed in Latin America since colonial times. Through the systematic comparison of several cases, the course discusses how ideas of race and nation have interacted in Latin America, shaping opportunities for mobilization and public policies; how racial identities have been formed and invoked for different cultural and political purposes; and how ideas of race and ethnicity have contributed to the stratification of Latin American societies, which are among the most unequal in the world. A final section looks at the creation of transnational networks of cooperation by indigenous and black activists and how their exchanges have shaped ideas of race and forms of mobilization in their respective societies. Students in this class will have the opportunity to meet with the authors of some of the works we are reading. Students must complete both terms of this course (parts A and B) within the same academic year in order to

receive credit.

## AFRAMER 220 Seminar: New Themes in the Study of the African Diaspora: Editorial Internship with Transition

CourseID: 110495

Faculty: Alejandro de la Fuente

Next Term Offered: 2016 Fall

Students in this seminar will work with the editor of Transition to design, edit, and produce the journal. Housed at the Hutchins Center for African and African American Research ([hutchinscenter.fas.harvard.edu/transition](http://hutchinscenter.fas.harvard.edu/transition)), Transition is the longest running Pan African cultural magazine in history. Founded in Uganda in 1961, the journal quickly became Africa's leading intellectual forum. It was later edited by Nobel Laureate Wole Soyinka in Ghana before arriving at Harvard in 1991 with publishers Henry Louis Gates, Jr. and Kwame Anthony Appiah. Some of the best scholars and minds of the Diaspora have contributed to this journal, including Martin Luther King Jr., Chinua Achebe, James Baldwin, Julius Nyerere and many others. Students in this class will familiarize themselves with the history of Transition; chart new directions for the journal; identify topics of Pan African significance and potential contributors on those topics; and serve as critical readers of materials submitted for publication to the journal. Students will be listed in the issues of the journal they help produce as "student associate editors".

## AFRAMER 221 Proseminar: Afro-Americas I: Comparative Slavery and the Law in the Americas

CourseID: 110499

Faculty:

Next Term Offered:

This seminar introduces students to the booming historiography of slavery and the law in Latin America and the United States. Earlier generations of scholars of race and slavery (Frank Tannenbaum, Stanley Elkins) relied heavily on the law to draw sharp contrasts between U.S. and Latin American slavery. Although the social historians of the 1970s and 1980s were highly critical of this approach, due to its lack of attention to economic and social factors, in the last twenty years scholars have turned again to the study of slave legal regimes. The most recent scholarship, however, does not approach the legal history of slavery through the study of legal codes, as previous scholars used to do, but through slaves' own legal initiatives and actions. In short, these scholars analyze how slaves themselves participated in the creation of legal institutions, understandings, and "rights." How do slave regimes in the United States and Latin America compare in light of this recent scholarship? New works of comparative synthesis are just

beginning to appear.

## AFRAMER 222 Proseminar: Afro-Americas II: Comparative Race Relations in the US and Latin America

CourseID: 110500

Faculty: Alejandro de la Fuente

Next Term Offered: 2016 Fall

This seminar offers a systematic comparison of race relations in the United States and Latin America after emancipation. Writing in 1950, Alfred Métraux, a Swiss-American anthropologist who became the Director of the UNESCO Division for the Study of Race Problems, captured the then prevalent view that race operated very differently in "Anglo-Saxon" and "Latin" America. He made reference to the "favorable impressions produced by Brazil's race relations" and to the fact it had "been hailed as one of the rare countries which have achieved a 'racial democracy'." Whereas rigid forms of racial segregation characterized the United States, most countries in Latin America were seen as mestizo, racially-mixed nations that did not have a rigid color-line. Scholars have been debating the accuracy of these characterizations during the last sixty years. This seminar offers an introduction to this scholarship, assesses the current state of the field, and seeks to identify problems and questions for future research.

## Near Eastern Languages and Civilizations

### AKKAD 120A Intermediate Babylonian

CourseID: 113371

Faculty:

Next Term Offered:

Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

### AKKAD 120B Intermediate Babylonian

CourseID: 159799

Faculty:

Next Term Offered:

Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

### AKKAD 150 Working with Original Cuneiform Documents

CourseID: 119472

Faculty: Piotr Steinkeller

Next Term Offered: 2018 Spring

An introduction to the reading and copying of cuneiform tablets. As part of the class, students will have an opportunity to study a wide range of tablets from the Harvard Semitic Museum collection, dating from the Pre-Sargonic through the Seleucid period. The course will also provide general information on the history of cuneiform script, tablet types and shapes, organization of script on various types of documents, and sealing practices.

### AKKAD 152 Assyrian and Babylonian Texts from the 1st Millennium BCE

CourseID: 115588

Faculty:

Next Term Offered:

The object of this course is to read relatively fast through a number of primarily royal inscriptions dated to the 1st millennium BCE in original orthography (and in

some cases from original objects in the museum collection). The purpose is to give students a closer familiarity with script, language and genre through reading a large volume of representative texts.

### AKKAD 154A Peripheral Akkadian

CourseID: 111624

Faculty: Piotr Steinkeller

Next Term Offered: 2017 Fall

### ANE 102 Introduction to Mesopotamian Religion

CourseID: 114298

Faculty: Piotr Steinkeller

Next Term Offered: 2018 Spring

A survey of the history and major concerns of ancient Mesopotamian religion from prehistoric times down to the reign of Alexander the Great. Among the topics treated are the key figures of the Sumero-Babylonian pantheon, the major mythological compositions (read in translation), personal religion, cosmogonies and theogonies, magic and divination, Mesopotamian temples, and cult and ritual. The course makes rich use of ancient iconography.

### ANE 120 Introduction to the Hebrew Scriptures

CourseID: 156162

Faculty:

Next Term Offered:

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.

### ANE 131 Readings in the Septuagint

CourseID: 112752

Faculty:

Next Term Offered:

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 basics of Koine Greek will be reviewed as necessary.

### **ANE 165 The Chosen People**

CourseID: 128048

Faculty:

Next Term Offered:

A consideration of the concept of the biblical motif of divine choice of individuals and groups, with close reading of representative texts in the Hebrew Bible/Old Testament. Knowledge of Hebrew not required.

### **ANE 212 Archaeology of the Levant**

CourseID: 156357

Faculty:

Next Term Offered:

This course follows human societies in the region of the Levant (modern Israel/Palestine, Syria, southern Turkey, Lebanon, and Jordan) from the earliest sedentary communities through the Iron Age. This extensive survey through time focuses on current archaeological research, emphasizing major aspects of: geography and chronology, art and architecture, modes of social organization, explanations for major socio-cultural changes, social identity, domestic life, religious expression, and issues of gender. Societies and areas under investigation include: the Canaanites, Amorites, Phoenicia, Philistia, Israel, Judah, Aram, the Neo-Hittites, Ammon, Moab, Edom, and Arabia.

### **ANE 225 The Greek Bible in History and Theology: Seminar**

CourseID: 125245

Faculty:

Next Term Offered:

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, New Testament backgrounds, and biblical theology.

## **ARABIC 133 Upper-Level Spoken Modern Standard Arabic**

CourseID: 120366

Faculty: William Granara

Next Term Offered: 2017 Fall

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.

## **ARABIC 135 Colloquial Egyptian Arabic**

CourseID: 120365

Faculty: Nevenka Korica Sullivan

Next Term Offered:

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.

## **ARABIC 243CR Advanced Readings in Classical Arabic Bridge III: Prose and Poetry**

CourseID: 109803

Faculty: William Granara

Next Term Offered: 2017 Fall

Reinforcement of advanced classical Arabic grammar and stylistics, and introduction to various genres of poetry and prose (adab).

## **ARABIC 243DR Advanced Readings in Classical Arabic Bridge IV: Religious Sciences**

CourseID: 109804

Faculty:

Next Term Offered:

Reinforcement of advanced classical Arabic grammar and stylistics, and introduction to various genres of *Quran*, *Hadith*, *Sira* and *Tafsir*.

## **ARABIC 246R Andalus, Sicily, and the Maghrib in Literary and Cultural Texts: Seminar**

CourseID: 116763

Faculty: William Granara

Next Term Offered: 2018 Spring

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.

### **ARABIC 251R Classical Arabic Texts: Seminar**

CourseID: 156121

Faculty:

Next Term Offered:

Readings on selected topics in Islamic intellectual history.

### **ARAMAIC 253 Imperial Aramaic**

CourseID: 160172

Faculty:

Next Term Offered:

Review of grammar and selected readings of Aramaic texts from Elephantine, Hermopolis, and other sites.

### **CLAS-HEB 138 Historical Grammar of Biblical Hebrew**

CourseID: 139399

Faculty:

Next Term Offered:

This course will trace the changes in Hebrew grammar in its ancient phases through the study of inscriptional, biblical, and extra-biblical texts.

### **EGYPTIAN AA The Language of the Pharaohs: Introduction to Egyptian Hieroglyphs I**

CourseID: 126691

Faculty: Peter Der Manuelian

Next Term Offered: 2017 Fall

This language course explores the fundamentals of Middle Egyptian, the classical

stage of Egyptian hieroglyphs used throughout much of ancient Egyptian history. Lessons in the Egyptian writing system, grammar, and culture, with weekly vocabulary and exercises, will introduce the language and verbal system in a systematic fashion. By the end of the semester, students may begin to read selections from Egyptian classic stories and historical texts. Visits to the Semitic Museum and the Museum of Fine Arts, Boston, in order to read ancient hieroglyphic inscriptions on the original monuments, may also be included.

### EGYPTIAN AB The Language of the Pharaohs: Introduction to Egyptian Hieroglyphs II

CourseID: 126692

Faculty: Peter Der Manuelian

Next Term Offered: 2018 Spring

Continues Middle Egyptian I from the spring 2013 semester. Students will complete the introductory grammar book lessons, and move on to read a selection of basic stories, historical and biographical inscriptions, in the original hieroglyphs. Visits to the Egyptian galleries of the Museum of Fine Arts, Boston, in order to read some of the ancient hieroglyphic inscriptions on the original monuments, may also be included.

### EGYPTIAN 150 Voices from the Nile: Ancient Egyptian Literature in Translation

CourseID: 127917

Faculty: Peter Der Manuelian

Next Term Offered: 2018 Spring

Examines several literary genres, from the Pyramid Age through at least the New Kingdom (ca. 2500-1000 BCE), including royal decrees, autobiographies, the Pyramid Texts, legal documents, letters to the living (and dead), love stories and poetry, military texts, religious rituals, and tomb robber court trial transcripts. Special emphasis on classical tales of the Middle Kingdom ("The Shipwrecked Sailor," "The Story of Sinuhe," etc.). Lectures, class discussion; no prerequisites.

### EGYPTIAN 310 Reading and Research in Egyptology

CourseID: 107947

Faculty:

Next Term Offered:

## **HEBREW 130 Scriptural Interpretation in Ancient Israel: Inner-Biblical Exegesis**

CourseID: 126069

Faculty:

Next Term Offered:

An examination of the forms, methods, and aims of scriptural interpretation within the Hebrew Bible itself. Sessions will combine consideration of recent scholarship on "inner-biblical exegesis" with close readings of biblical texts (narrative, legal, prophetic, apocalyptic, hymnic) in Hebrew.

## **HEBREW 135 Introduction to Rabbinic Hebrew**

CourseID: 107391

Faculty:

Next Term Offered:

Introduction to Tannaitic and Amoraic Hebrew with readings from talmudic and midrashic literature.

## **HEBREW 205 The Psalms**

CourseID: 127212

Faculty:

Next Term Offered:

A study of the book of Psalms, with special attention to its structure, principal genres, and interpretation, as well as to its continuing liturgical and devotional uses. Close reading of selected psalms.

## **HEBREW 213B Tannaitic Literature**

CourseID: 156328

Faculty:

Next Term Offered:

An in-depth textual analysis of the *Sifra*, its exegetical techniques, and its relation to other rabbinic documents.

## **HEBREW 218 The Joseph Story and the Book of Esther: Seminar**

CourseID: 116498

Faculty:

Next Term Offered:

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.

### HEBREW 237 Jeremiah

CourseID: 128049

Faculty:

Next Term Offered:

A close examination of the book of Jeremiah, with special attention to its historical context and textual and literary history. Knowledge of Hebrew not required.

### HEBREW 243 Critical Study of Midrash

CourseID: 160490

Faculty:

Next Term Offered:

The aim of this course is to introduce students to the contemporary critical study of midrash, the literature of classical Rabbinic Biblical interpretation. We will be primarily concerned with two questions: 1) How did the Rabbis read the Bible? and 2) What can midrash, as a form of literary discourse in its own right, tell us about its authors, the Rabbinic sages who lived in the first five centuries in the common era? We will also compare midrash to other types of ancient Jewish interpretation, discuss the various hermeneutical and literary theoretical issues that have figured in recent scholarship, and consider its place in the history of Jewish Biblical exegesis. Texts to be read will run the entire gamut of Rabbinic literature (including both Tannaitic and Amoraic collections, and midrash halakhah as well as midrash aggadah). All readings will be in the original language, and students are expected to be able to read unpointed Hebrew texts (although pointed texts will be supplied whenever possible). No other previous background in Rabbinic literature is required.

### HEBREW 245 The Book of Jeremiah: Composition and Reception

CourseID: 160590

Faculty:

Next Term Offered:

An examination of the shape and development of the Book of Jeremiah, including close reading of select portions in Hebrew, with attention to large scale strategies and elements of inner-scriptural interpretation. Some attention will also be given to representative selections illustrating the nature and scope of the differences between the Greek and Hebrew forms of the book (including Qumran fragments). The course will also consider the continued reception of the prophet and the book in a variety of other compositions, including Lamentations, Baruch, the Epistle of Jeremiah, and the Jeremiah Apocryphon.

### **IRANIAN 218A Avestan Language and Literature I**

CourseID: 156572

Faculty:

Next Term Offered:

### **IRANIAN 218B Avestan Language and Literature II**

CourseID: 156573

Faculty:

Next Term Offered:

### **IRANIAN 282A Ancient Iranian Religions: Zoroastrianism**

CourseID: 110330

Faculty: James Russell

Next Term Offered: 2017 Spring

An introduction to the teachings of the Prophet Zarathushtra and the beliefs and practices of his followers, from the Achaemenid Persians, Parthian Arsacids, and Persian Sasanians to the Parsis of India, based on translated primary sources and secondary researches.

### **IRANIAN 300 Reading and Research in Iranian Languages and Literatures**

CourseID: 144789

Faculty:

Next Term Offered:

## ISLAMCIV 146 al-Ghazali: Theologian and Mystic

CourseID: 123196

Faculty: Khaled El-rouayheb

Next Term Offered: 2018 Fall

Al-Ghazali (d.1111) is generally recognized to be one of the most influential of all Muslim religious thinkers. A prominent theologian and jurist, he experienced a spiritual crisis at the height of his career, and as a consequence explored mysticism (Sufism) and worked out a powerful synthesis between respect for the externals of the Islamic religion and the mystics' stress on the interior life. In this course, we will look in particular at his account of his spiritual crisis; his critical engagement with the Islamic Philosophers; and some of the more mystical works that he wrote toward the end of his life, including his theodicy, his meditations on the Qur'anic dictum that "God is the Light of the Heavens and the Earth", and select chapters from his great summa "The Revival of the Religious Sciences". All readings will be in English.

## ISLAMCIV 174 Migration and Religion in Comparative Perspective

CourseID: 156349

Faculty:

Next Term Offered:

The seminar will explore two important issues in relation to mobility and religion. The first is how geographic mobility affects the faith and religious practices of diasporas, and the second how migration influences the development of religion in the sending and receiving countries of immigrants? After a critical evaluation of the concept of religion, seminar participants will look at pre-modern types of migration (forced and voluntary) and different religious traditions, and analyze the social and personal transformations provoked by migration. We will explore in particular theoretical perspectives on diasporas and look at the religious experience of Jews in Africa. We will also discuss various expressions of African religions in the new world, including Islam in Antebellum America, and Afro-American Religions, as well as the Islamic pilgrimage tradition in West Africa and its impact on state formation in pre-colonial Africa. The second part of the seminar will be focused on Muslim globalizations. Increasing numbers of labor migrants, students and refugees from Muslim countries have settled in Western Europe and North America in the last three decades. Their numbers are estimated at some 40 million in the early twenty-first century, an unparalleled presence in history. While Western societies are moving away from organized religion, Muslim immigrant communities, by striving to carve a niche in Western Societies, have followed the

opposite direction. Although most Western societies recognize the freedom of worship, the multiplication of Muslim institutions (such as mosques, shops, restaurants, schools, cultural centers, newspapers, and charities) has created growing anxiety in the secularizing Western societies. We will look at how Muslim intellectuals mediate the integration of Muslim through the reinterpretation of Islamic theology, as well as how Western states grapple with the issue of Muslim integration in the post-September 11th context of War on Terror.

### ISLAMCIV 176 Islam in Modern West Africa

CourseID: 109812

Faculty:

Next Term Offered:

At the beginning of European colonial rule in the early 20th century, less than a half of the West African population was Muslim. By independence from European colonial rule in the early 1960s, close to 90 percent of many West African countries have been Islamized. More people converted to Islam during the six decades of European colonial rule than in the preceding thousand year of slow Islamization. The aim of this lecture course is to analyze contemporary West African Muslim societies with particular reference to the twenty and twenty first centuries. This course will look at how colonialism created a favorable ground for the spread of Islam. It will also address the main institutions and movements of modern Islam in West Africa as well as the postcolonial transformations in education, gender, the arts, interfaith relations etc. In addition to the discussion section in English, this lecture course will also offer a section in Arabic in which participants will be initiated to the intellectual production of Muslim intellectuals in Africa.

### ISLAMCIV 178 Muslim Societies in South Asia: Religion, Culture, and Identity

CourseID: 111918

Faculty: Ali S. Asani

Next Term Offered:

South Asia (India, Pakistan, and Bangladesh) is home to the largest concentration of Muslims in the world. This course introduces students to a variety of issues that have characterized the development and evolution of South Asian Muslim communities. While the course will briefly survey the historical development of Islamic and Muslim institutions in the region, its central focus will be the formation of identity - as expressed through language, literature, and the arts - among South Asian Muslim communities. The issues that influence these identities will be considered with regard to the constantly evolving religious and political contexts of South Asia. Special attention will be given to recent attempts to redefine Muslim religious identities through reform and revivalist movements as well as state

policies of Islamization. We will look at the impact of these policies on issues such as the status of Muslim women, relations between Muslim and non-Muslims and the growth of sectarian tensions between Muslim groups. The course is appropriate for those who wish to acquire a bird's-eye view of the Islamic tradition in South Asia, as well as those interested in exploring some of the issues confronting Muslim populations in contemporary times.

### ISLAMCIV 183 Reform and Revival in Modern Islam, 19th -20th centuries

CourseID: 127830

Faculty:

Next Term Offered:

This course will shed light on the historical transformation of the internal religious reforms of Islam in the 18th and 19th century into politicized and/or fundamentalist versions of Islam in the 20th century.

### ISLAMCIV 210 Introduction to Islamic Law

CourseID: 156297

Faculty:

Next Term Offered:

This lecture course provides an oversight over the history of Muslim Law, the *fiqh*, from the 8th to the 19th century. This system of legal and ethical norms is conceived as the continuous interpretation of the shari'a, the revealed principles and norms of law and ethics. In the "branches of the *fiqh*" (*furu' al-fiqh*) this interpretation, since the eighth century, takes the form of the production of legal and ethical norms. From the tenth century on, the texts of the methodology of *fiqh* (*uṣūl al-fiqh*) attempt to create the norms for norm production. We will discuss the norms and the methodology of the law as well as the institutions that allowed it to spread over the whole of the Muslim World. The course will consistently focus on the methods through which changes in genres of legal literature, methods, institutions and norms were introduced and recognized during different periods of the *fiqh*'s development. Special attention will be given to the changes that the system underwent from the 19th to the 21st century.

### ISLAMCIV 211 Jurisprudence of the SCC of Egypt, 2011 thru 2014: Aspects of

Constitutional Doctrine

CourseID: 156321

Faculty:

Next Term Offered:

The aim of this seminar is to study the SCC's role in the transition processes between the presidencies of Nasser and Mubarak, on the one hand, the presidencies of Mubarak to Mursi and from Mursi to the situation of 2014. Under all these regimes the SCC's task is to guarantee the state's abidance by its constitutional obligations in the field of legal procedure and democratic principles. In a first step we will compare the tasks assigned to the highest courts of the different branches of the judiciary in Egypt and the way in which the SCC is integrated into this hierarchy of courts. In a second step we will study the way in which the SCC in the past acted as guarantor of constitutional norms with special consideration of Human Rights, the interpretation of Islamic Law as a constitutional source of national legislation and the state's prerogative of ruling under rules of emergence. Finally, we will focus on the role of the SCC as actor in the transition from the Mubarak to the Mursi presidency and from the Mursi regime to the regime under the control of the military that came into existence between July 2013 and February 2014. For the first and the second part we will mainly rely on the texts of the constitutions of 1971 and 1980 and on secondary literature on the court's jurisprudence. The third part will mainly be based on the texts of the constitutions of 2012 and 2014, on the political calendar of the years 2011-2014 and on BJ's translations of some of the most important decisions of the SCC during the 2011-2014 period and the analysis of their function in the transition process.

## ISLAMCIV 213 Theological and Legal Conceptions of Human Nature in Islam

CourseID: 156320

Faculty:

Next Term Offered:

Concepts of human nature are systematically developed in early Islamic theology. By contrast, references to human nature in the texts of the applied law (*furu'* *al-fiqh*) are mostly passing remarks used to justify a particular norm but rarely systematized and generalized. In the methodology of the law (*usūl al-fiqh*) references to the legal personality (*dhimma*) provide a bridge between the discussions on human nature in theology and the texts of the applied law. For a discussion of the theological concepts of nature the seminar will rely on the work of Josef van Ess and Bernard Weiss. BJ will provide a selection of texts on human nature translated from Arabic treatises on the applied law and the methodology of law written by authors of different law schools between the tenth and the thirteenth centuries. The purpose of the seminar is to understand in how far elements of natural law can be found in the legal and theological discussions of Islam from the 8th to the 12th century. We will discuss the secondary literature on natural law in Islam, published over the last decade and see, in how far it contains material that could help us to answer this question and how far it integrates the Muslim discussion of human nature.

**ISLAMCIV 217 The Construction of Gendered Spheres in Islamic Law: Ritual, Family, Kinship, Court Procedures**

CourseID: 156319

Faculty:

Next Term Offered:

From the eighth century on, the construction of gendered spheres in the *fiqh* assigns to women the capacity to dominate and control certain spheres, such as the sphere of reproduction, the education of children through the first years of their life, some schools of law also assign only to women the right to report to courts and the outer world on acts and persons they have seen in the gendered spheres dominated by women. The seminar will try to establish a full list of such gendered spheres under feminine control. The reasons by which such gendered spheres are justified by the jurists are many: the women's intimacy has to be protected against the intrusion of the male gaze and touching that may stir the man's and the woman's sexual desire for each other. The seminar will discuss the growing list of reasons for additional veiling and seclusion in the writings of different schools of Sunni law. At the same time, an inverse development also takes place. The number of exceptional situations that require the uncovering of free (and slave) women in the presence of male strangers is constantly growing. Such situations as medical therapy or identification before a court require and justify the unveiling of women in the presence of strangers. As a result, a particular categorie of women of high standing is developed who are exempt from these exceptions. We will try to follow the development of the casuistry on veiling and unveiling and to find a satisfying explanation for the many contradictions that characterize the arguments for veiling as developed in the legal literature of the classical period. Such an effort to come to terms with the notions of the legal development of veiling from the eighth to the nineteenth century will also allow us to understand better the fundamental change that has taken place in the functions attributed to veiling over the last 50 years.

**ISLAMCIV 230 Islamic Modernism (1): 1700-1800**

CourseID: 156298

Faculty:

Next Term Offered:

This is the first of three courses on the development of Islamic Modernism from the 18th to the 21st century. All three seminars focus on a notion of "Modernism" and "Modernity" that is not simply imported into the Middle East. We will, therefore, have to discuss concepts of "Modernity" that see modernity produced in Europe or the US and then imported into the Middle East in order to show their shortcomings. We will also have to look closely at discussions within the field of Islamic Studies

that deny or defend the existence of an Islamic modernism before the second half of the 19th century. The underlying assumption of the course organization is that Islamic Modernism cannot be understood when it is cut off from the intellectual and religious history of the centuries preceding it. The first of these three courses will therefore focus on the 18th-century religious reform movements: the Muwahhidun in the Arabian Peninsula, the Sufi thinkers in Morocco, Sudan, Libya and Upper Egypt. These movements challenged dominant forms of scholastic thought, legal reasoning, and historical consciousness, as well as the barriers built by them that denied non-theologians and non-jurists the right to interpret revelation and Islamic normativity.

### ISLAMCIV 232 Islamic Modernism (2): 1870-1970

CourseID: 156301

Faculty:

Next Term Offered:

This is the second of the three seminars on Islamic Modernism. It treats the period between 1870-1970. It focuses on the development, within a colonialist context, of the learned Islamic modernism that develops in Egypt during the last third of the 19th century in the spheres of Qur'anic exegesis, the reinterpretation of Islamic normativity in a way that is compatible with the institutions of the modern nation state. This modernism also pleads for a selective reception of modern sciences from the West. This type of Islamic modernism is best represented by Muhammad 'Abduh, the mufti of Egypt at the end of the 19th and the beginning of the 20th century. 'Abduh sees in the earliest period of Islam, the lifetime of the Prophet and the first four caliphs, the model by which all Islamic societies have to abide. The Muslim societies of the 19th and the 20th centuries that deviate from this model are characterized by him as living in "ignorance" or "paganism" (*jāhiliyya*), much as the pre-Islamic societies. This approach leads to a devaluation of the historical forms of political organization, law, and science that were developed after the early model period, a development that facilitates the adaptation of Islam to the requirements of a modern national state

### ISLAMCIV 233 Islamic Modernism (3): 1970-2014

CourseID: 156299

Faculty:

Next Term Offered:

The third seminar on Islamic Modernism focuses on the end of Arab Liberalism on the level of political parties and the loss of its intellectual focus and influence on the debates of modern Islam. Since the Nasser period liberal politics and liberal public

debates have no longer been compatible with the types of authoritarian states that characterize the post-colonial period and that now claim to represent modernity. The Muslim mass movements that had attacked the state of the liberals find themselves also persecuted by new forms of military authoritarianism. It is the reaction to the Iranian Revolution of 1979 that requires a new outlook on Islam and its relation to modernity by Iranian and Arab intellectuals. It is in opposition to the authoritarianism of the Islamic Republic that Iranian intellectuals develop new forms of Islamic hermeneutics that open the horizon for a new understanding of Islam and of politics, leave more space for oppositional forces, and assign more importance to the struggle for more individual and collective rights. This new outlook is not restricted to Iran and to Shi'i intellectuals. The Iranian developments have encouraged a new understanding of Islam and a growing opposition against authoritarian states, developments that were visible since the 1990s also in the Arab world. The growing role of non-Islamist political activists during that period shows the widespread disappointment with the Muslim Brothers and the concept of an Islamic State, but it does not seem to lead to a renaissance of liberalism. The question which political and cultural role Islamic modernism is going to play in the near future is hard to answer. The seminar does not pretend to answer it.

#### JEWISHST 149 Topics in the Dead Sea Scrolls: Exegesis at Qumran

CourseID: 126339

Faculty:

Next Term Offered:

This course explores the diverse functions of scripture within the literature of the Dead Sea Scrolls, focusing in particular on the forms and methods of interpretation attested, considered in light of other varieties of interpretation in early Judaism. Sessions will be devoted to reading, translation and discussion of primary sources in Hebrew, as well as to discussion of relevant secondary literature.

#### JEWISHST 157 The Binding of Isaac in Jewish, Christian, and Islamic Tradition

CourseID: 160491

Faculty:

Next Term Offered:

The Akeidah, or the Binding of Isaac, as told in Genesis 22, is one of the great Biblical stories and the foundation for one of the great themes of Western religion, the near-sacrifice and restoration of the beloved son. The story is also one of the most enigmatic texts in all Biblical literature, and a source for countless later re-tellings and re-imaginings in later Jewish, Christian, and Islamic literature. In this course, we will study the history of this narrative, its interpretation, and reception from the Bible through the contemporary period in order to show how a

Biblical tradition develops and changes in response to historical and cultural change. The focus will be on Jewish tradition but we will also read Greco-Roman, Christian and Islamic parallels because, as we shall see, no religious tradition in Western culture has ever developed in a vacuum. In this way, we will also attempt to understand the very nature of Tradition-- the process by which the past is received and handed on to future generations-- as it figures in Judaism and Western culture in general. All readings will be in English translation; texts will include Biblical selections, Euripides, Hellenistic Jewish and Rabbinic works, medieval chronicles and commentaries, early Christian and Islamic sources, Kierkegaard, Kafka, and other modern prose and poetry including contemporary American and Israeli prose and poetry.

### JEWISHST 170 Job and the Problem of Suffering

CourseID: 126059

Faculty:

Next Term Offered:

An examination of the book of Job and its poetic treatment of the human condition. The course will also consider other biblical and ancient Near Eastern texts that deal with the issue of evil in the world from a religious perspective, and later readings and retellings of Job by Frost, MacLeish, Wiesel, Fackenheim, and others.

### MODMDEST 120 The Arab Revolutions: Popular Uprisings and Political

Transformations

CourseID: 108155

Faculty:

Next Term Offered:

Examines the causes of the 2010-2011 Arab uprisings, the subsequent political transformations in the Middle East and North Africa and the prospects for democratic transitions.

### MODMDEST 158B Modern Arabic Literature Seminar: Lebanese Civil War: Histories and Fictions

CourseID: 121372

Faculty: William Granara

Next Term Offered: 2018 Spring

Examines the roots and issues of the Lebanese Civil War (1975-90) and its

continuing impact on modern Arabic fiction. The syllabus pairs realistic and romanticized representations of family, sectarianism, and gender binaries against the destruction and fantasy of the urban landscape. Themes include nostalgia and memory, exile and return. Films and documentaries will also be viewed.

### SEMPHIL 130 Diglossia in Semitic Languages

CourseID: 107442

Faculty:

Next Term Offered:

Diglossia describes a situation in which two (or more) languages coexist, or two varieties of one language, within one speech community. In this course we will examine various aspects of such a linguistic situation from different theoretical points of view, considering this fascinating phenomenon in the history of the Semitic languages.

### SEMPHIL 152 Introduction to Ugaritic

CourseID: 111945

Faculty:

Next Term Offered:

Introduction to Ugaritic grammar, with readings in mythological, epistolary, and administrative texts.

### SEMPHIL 220R Northwest Semitic Epigraphy: Seminar

CourseID: 112083

Faculty:

Next Term Offered:

Topic for 2015-16 to be determined.

### SUMERIAN 120A Intermediate Sumerian

CourseID: 111766

Faculty:

Next Term Offered:

Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

**SUMERIAN 120B Intermediate Sumerian**

CourseID: 160354

Faculty:

Next Term Offered:

Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

**SUMERIAN 146 Sumerian Religious Literature**

CourseID: 111793

Faculty:

Next Term Offered: 2016 Fall

**SUMERIAN 149 Sumerian Legal and Economic Texts**

CourseID: 124398

Faculty:

Next Term Offered: 2018 Spring

**SUMERIAN 200R Readings in Sumerian: Seminar**

CourseID: 121504

Faculty:

Next Term Offered: 2017 Spring

**TURKISH 120A Intermediate Modern Turkish I**

CourseID: 113576

Faculty:

Next Term Offered:

Emphasis on complex sentence structure and building communicative competence in describing events and expressing ideas through exercises in

reading, writing, and speaking.

### TURKISH 120B Intermediate Modern Turkish II

CourseID: 110700

Faculty:

Next Term Offered:

Studies in argumentative and literary prose.

### TURKISH 121A Elementary Uzbek I

CourseID: 112133

Faculty:

Next Term Offered:

Introduction to conversational and literary Uzbek. Overview of the grammar, intensive practice of the spoken language, and reading of contemporary texts. Some knowledge of Modern Turkish or other Turkic language helpful but not required.

### TURKISH 121B Elementary Uzbek II

CourseID: 120993

Faculty:

Next Term Offered:

Continuation of Turkish 121a. Some knowledge of Modern Turkish or other Turkic language helpful but not required. For information on Uzbek instruction at other levels, please contact the Student Programs Officer at the Davis Center for Russian and Eurasian Studies, [reeca@fas.harvard.edu](mailto:reeca@fas.harvard.edu).

### TURKISH 145 Readings on Ottoman Intellectual and Cultural History

CourseID: 127716

Faculty:

Next Term Offered:

This course introduces students various writings of Ottoman intellectuals by focusing on selected themes, including language registers, styles of argumentations.

**TURKISH 150A Advanced Ottoman Turkish I**

CourseID: 126430

Faculty:

Next Term Offered:

**TURKISH 155R Advanced Readings in Ottoman Language and Literature**

CourseID: 161186

Faculty:

Next Term Offered:

Topic for 2015-16: Transformation of Ottoman Language and Literary Heritage in the Nineteenth Century.

This course introduces various genres of literary and historical writings in Ottoman Turkish focusing on stylistics and grammatical issues of nineteenth century material. The course also introduces art of document writing in the Ottoman Bureaucracy.

## American Studies

AMSTDIES 201 Themes in American Studies

CourseID: 118017

Faculty:

Next Term Offered: 2017 Fall

Interdisciplinary study of one or several topics.

## Anthropology

### ANTHRO 92ZR Social Anthropology Research Methods in Museum Collections

CourseID: 123455

Faculty:

Next Term Offered: 2016 Fall

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.

### ANTHRO 1040 Origins of the Food We Eat

CourseID: 109581

Faculty:

Next Term Offered:

The most significant lifestyle revolution in the human past was the change from hunting and gathering to agriculture and pastoralism. That shift in the subsistence base has facilitated, and has been facilitated by, increasing populations and a restructuring of social and economic relations over the past 10,000 years.

Focusing on key geographic areas and transformative time periods, we discuss how this process began by focusing on the domestication of what have become the staples and major condiments of modern diets around the world. We also consider the spread and adoption of domestic plants and animals across the Eastern and Western Hemispheres as well as the globalization of food that began at the end of the 15th century CE with the Columbian Exchange.

To study the processes of domestication and subsequent exploitation of domestic plants and animals requires a multi-disciplinary approach. Thus we sample contributions from a wide range of fields including archaeology, anthropology, history, linguistics, botany, zoology, genetics, biogeochemistry, climatology, geomorphology, oceanography, demography, and nutritional science.

Fundamental, however, are archaeological excavations, which provide the material remains necessary for specialized analyses as well as the temporal and social contexts needed for their interpretation.

The course is discussion-based, with background material, concepts, and topics introduced by the instructor. Geographical focus is on West, South, and East Asia, Mesoamerica, and the Andean region, with other areas (Europe, Central Asia,

Africa, New Guinea, Oceania, Amazonia, and North America) touched upon for specific foods. Readings are in the primary and secondary literature, focusing on key plants, animals, analytical methods, and interpretative debates. Evaluation is based on completing readings and two short written assignments each week and participating in class discussions. Graduate students are required to submit a short tightly focused research paper.

### **ANTHRO 1045 Ancient Settlement Systems: Seminar**

CourseID: 122001

Faculty:

Next Term Offered: 2017 Spring

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.

### **ANTHRO 1065 The Ancient Near East**

CourseID: 125577

Faculty:

Next Term Offered: 2017 Fall

From the earliest urban and literate civilizations to the formation of empire we shall review the political, economic, and religious beliefs of the Sumerians, Babylonians, and Egyptians. These early civilizations will then be discussed in the context of the first internationalism that brought them into contact with their near and distant neighbors from eastern Europe to Central Asia, Africa, and South Asia. The political use of the past by modern nation states will be reviewed.

### **ANTHRO 1172 Archaeology of the Moche**

CourseID: 156382

Faculty:

Next Term Offered:

The Moche or Northern Peru were among the earliest state societies in the New World. Emerging from simpler levels of economic and political complexity, the Moche developed degrees of political and territorial organization never seen before in the region; developed into a peculiar form of multiple territorial states and,

by the 9th century, collapsed and transformed themselves into rather different cultural manifestations. Thus they describe, full circle, the life and times of the first attempts to consolidate political structures of great complexity. In this course we will analyze several aspects of the processes in several regions, form the economic basis of the Moche states, the ideological basis for their legitimization systems, to their collapse and transformation to the even more complex Chimu and Lambayeque phenomena.

### ANTHRO 1181 Tacos, Tamales, and Tequila: Eating and Drinking in Ancient Mexico

CourseID: 205154

Faculty:

Next Term Offered:

Is there such a thing as “authentic” Mexican cuisine? Where do menu items like tacos, burritos, guacamole, and margaritas have their origins? When the Spanish arrived in Mexico nearly 500 years ago, they were amazed by the variety of food and drinks they had never seen before--tomatoes of all kinds and colors, chili peppers, spices like chocolate and vanilla, tortillas, tamales, alcoholic drinks made from fermented agave sap, and more. While historical accounts provide an important starting point to understanding what Aztec cuisine was like in the 1500s, archaeology is revealing the diversity of ancient Mexican food, drink, and cultures, across time and space.

This course introduces students to Mexican cuisine from an archaeological perspective, and examines how foodways intersect with social phenomena such as status, ethnicity, gender, and religion. Topics include the “Paleo-diet” of early hunter-gatherers; farming and feasting in early villages; how tortillas and other inventions were important to the rise of towns, temples, and urbanism; food and drink in sacrifice and ritual; courtly behavior and regional cuisines; food production, marketplaces, and political economy; the Columbian exchange and the beginnings of modern cuisine. Hands-on activities, food tastings, and Peabody Museum collections will be incorporated into class discussions and assignments, as students gain a deeper understanding of the archaeology of ancient Mexico.

### ANTHRO 1202 Forensic Anthropology: CSI Harvard

CourseID: 156391

Faculty:

Next Term Offered:

This course will explore the developing role of the archaeologist and anthropologist in forensic investigations (both ancient and modern). It will follow the process undertaken by forensic specialists during their investigation and look at their role in a number of contexts ranging from missing persons to crimes

against humanity. It will consider the ethical responsibilities of the archaeologist/anthropologist and the presentation of their findings.

### **ANTHRO 1210 The Archaeology of Ancient China**

CourseID: 119371

Faculty:

Next Term Offered: 2017 Spring

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.

### **ANTHRO 1682 Gangsters and Troublesome Populations**

CourseID: 128063

Faculty: Laurence Ralph

Next Term Offered: 2017 Fall

The term "gang" has been used to describe all kinds of collectives, from well-dressed mobsters to petty criminals to juvenile delinquents. About the only thing that has remained consistent about gangs is their characterization as the internal Other. This class will investigate how the category of "the gang" serves to provoke discourses of "dangerous" subjects in urban enclaves. More broadly, we will examine the methods and means by which liberal democratic governments maintain their sovereign integrity through the containment of threatening populations.

### **ANTHRO 1795 The Politics of Language and Identity in Latin America**

CourseID: 122440

Faculty: Catalina Laserna

Next Term Offered: 2017 Spring

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, music and documentaries from the region as well as the literature in the burgeoning new field of linguistic anthropology.

### **ANTHRO 1812 Cities of the Global South: Seminar**

CourseID: 156920

Faculty:

Next Term Offered:

What do the sprawling cities of the global South tell us about the contemporary urban condition? How is urban space produced and experienced in an era of increased interconnectedness, but also of great inequality and instability? How does the view from the South change our understanding of urban forms and processes, especially when so much of the "South" seems to be located in the "North"? To address these questions we will explore urban lives and spaces across cities in Africa, Asia, Latin America, and the Middle East. The course will include works in anthropology, geography, urban studies, and documentary film.

### **ANTHRO 1832BR Sensory Ethnography II: Studio Course**

CourseID: 110042

Faculty:

Next Term Offered:

Second of a three-term sequence in which students apply media anthropological theory and conduct ethnography using film, video, sound, and/or still photography.

### **ANTHRO 1836AR Sensory Ethnography I: Studio Course**

CourseID: 156390

Faculty:

Next Term Offered:

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.

### **ANTHRO 1850 Ethnography as Practice and Genre**

CourseID: 121146

Faculty:

Next Term Offered: 2016 Fall

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.

### ANTHRO 1882 The Woman and the Body

CourseID: 107863

Faculty: Susan Greenhalgh

Next Term Offered: 2017 Fall

This course probes the culture and politics of the body in America today, stressing America's role as a center of bodily ideals that now dominate global imaginations. Emphasizing the intersections of gender with race/ethnicity, class, and sexuality, the course examines the diverse notions of beauty, bodily practices, and body politics embraced by American women (and, to a lesser extent, men) of different classes, ethnicities, and sexualities. It deals with critical issues facing our society in the early 21st century -- the growing prevalence of eating disorders, the normalization of cosmetic surgery, rising levels of childhood and adult obesity using contemporary theory to tease out their complex sources and effects. Lying at the intersection of the anthropology of the body, medical anthropology, and women's/gender studies, the course outlines an important new arena for critical inquiry.

### ANTHRO 1936 Anthropology of Religion

CourseID: 109570

Faculty:

Next Term Offered: 2017 Fall

What happened to religion in the modern world? We start off by exploring traditional anthropological themes, such as animism, magic, and ritual, while paying particular attention to the classic secularization thesis advanced by social scientists. We will then focus on the crucial contemporary issues, such as debates on secularism, globalization and commodification of religion, body and sexuality, secular eschatologies, such as transhumanism, and the emergence of "new age" spirituality. This course is not a survey of specific religions, but a theoretical introduction to the main themes in the anthropological study of religion.

## **ANTHRO 2070A Archaeological Method and Theory: Seminar**

CourseID: 120489

Faculty:

Next Term Offered:

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.

## **ANTHRO 2070B Case Studies and Research Proposal Preparation**

CourseID: 120488

Faculty:

Next Term Offered:

Seminar for graduate students that will focus on grant and paper writing, and will also include selected case studies.

## **ANTHRO 2091R Issues in Chinese Archaeology**

CourseID: 124667

Faculty:

Next Term Offered:

A close reading of archaeological site reports and secondary literature related to topics in Chinese Archaeology, with a focus on complex societies.

## **ANTHRO 2155 The Archaeology of Cities of Ancient Mesopotamia**

CourseID: 156378

Faculty: Jason Ur

Next Term Offered: 2018 Spring

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. The course will include visits to collections of the Peabody Museum and the Harvard Semitic Museum.

## **ANTHRO 2170 The Rise and Fall of the Moche of Northern Peru**

CourseID: 161205

Faculty:

Next Term Offered:

Two things are exceptional about the Moche of the north coast of Peru: they were probably the first state level society in South America, and in the last 25 years there has been more archaeological research focused on the Moche than on any other Pre-Columbian society of Peru. The Moche went full circle from being a cluster of incipient chiefdoms developing in the valleys and on the shores of the north coast of Peru, transforming into a multitude of small and medium sized regional states, facing the organizational, political, economic and ideological challenges of growth, and ultimately, succumbing to their own forms of organization. The collapse of the Moche is the best-documented radical transformation in the region. Starting in 1987, with the discoveries of the royal burials in Sipán, Moche archaeology has become the most prominent regional field of research in Peruvian archaeology. Hundreds of excavations, iconographic studies, material analyses, and theoretical studies have been carried out up to the present day. The fact that we have such a rich body of evidence has made explorations of the north coast all the more intense and results the more thought-provoking.

This seminar will explore and debate some of the critical issues in Moche archaeological research to date. The course will start with a series of lectures on the state of the art in Moche studies in order to set the stage for the material to be covered later. Three weeks of lectures will be followed by weekly discussions on such issues as: origins of Moche society and culture, political and geopolitical organization, ideology and religion, iconography, social organization (including gender), and collapse, among others. Consideration of these topics will bring to the fore a range of theoretical and methodological issues central to Peruvian archaeology in general. Students will contribute by coming to class prepared to discuss critically the assigned readings. Students will also write a research paper dealing with a topic selected in consultation with the professor on a topic relating to the material covered in class.

## **ANTHRO 2175 The Inca Quipu**

CourseID: 119387

Faculty:

Next Term Offered:

A study of the quipu, the principal record keeping device used in the Inca Empire of Pre-Columbian South America. We will read studies on quipu record keeping from Pre-Columbian times through the early colonial period, and we will study the quipus in the Peabody Museum.

### ANTHRO 2210 Archaeology and the Ancient Economy

CourseID: 124806

Faculty:

Next Term Offered:

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.

### ANTHRO 2250B Proseminar in Archaeology

CourseID: 125735

Faculty:

Next Term Offered:

This graduate seminar reviews critical issues in archaeological approaches to the study of complex societies, including writing, trade, craft specialization, technology, landscape, urbanism, and political organization.

### ANTHRO 2350 Ancient DNA and the New Science of the Human Past

CourseID: 160538

Faculty:

Next Term Offered:

The ability to sequence genomes from ancient remains is revolutionizing our understanding of past human behavior. This seminar will focus on what genome-wide studies of modern and ancient DNA have already shown, the tensions that have arisen between genetics and other disciplines, and possible ways to reconcile these tensions. Enrollment will be limited to 15, chosen to represent a balance of disciplines touched on by the new data. Prospective students should submit a one-page essay explaining their interest in the course and the critical perspective that they expect to bring.

## **ANTHRO 2635 Image/Media/Publics**

CourseID: 122006

Faculty: Mary Steedly

Next Term Offered: 2018 Spring

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.

## **ANTHRO 2706 Disease, Disability, and the Body**

CourseID: 128005

Faculty: Laurence Ralph

Next Term Offered: 2018 Spring

This course will theorize the ways in which disability and disease become linked to inequality. We will explore the social factors that produce forms of suffering, as well as kinds of violence that people experience when social difference is mapped onto the materiality of their bodies.

## **ANTHRO 2712 Ethnographies of Food**

CourseID: 127134

Faculty: Theodore Bestor

Next Term Offered: 2017 Fall

We will discuss the "food turn" in anthropology through reading contemporary (and classic) ethnographies of food in contexts of production, distribution, social exchange, gender, and science. Note: Undergraduates encouraged to participate.

## **ANTHRO 2805 Biopolitics**

CourseID: 107830

Faculty: Susan Greenhalgh

Next Term Offered: 2018 Spring

The modern era has seen the rise of a new field of knowledge and power that takes as its object human life itself, in the biological sense. This course traces the emergence of an anthropology of biopolitics, teasing out the concepts, problems, and ethnographic practices by which this domain is being studied. Through explorations of biological and therapeutic citizenship, new practices of biosociality and biosecurity, and the creation of world-quality populations and persons, the

course identifies new assemblages of technologies, logics, and ethics that are emerging in different spaces in an increasingly globalized world.

### ANTHRO 2817R Law as a Dimension of Fieldwork: Instances and Interpretations

CourseID: 109343

Faculty:

Next Term Offered:

This course is intended for advanced graduate students in the Anthropology Department and in the Law School who will be doing fieldwork projects for their dissertations. The emphasis will be on a wide variety of field situations and their analysis. Legal matters are shown to be a useful entry point for the study of the larger society, and can often serve as a way of identifying the major social processes that are under way at the time of observation. The writings of various social theorists will also be touched on to ask how pertinent their concepts are to the analysis of actually observed events.

### ANTHRO 2830 Creative Ethnography

CourseID: 127135

Faculty: Mary Steedly

Next Term Offered: 2018 Spring

A writing-intensive seminar in which students explore various genres and styles of ethnographic representation by sharing work in progress. A range of supplemental readings provide descriptive models and theoretical orientations.

### ANTHRO 3300 Supervised Field Work in Anthropology

CourseID: 116596

Faculty:

Next Term Offered:

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.

## Applied Computation

### APCOMP 290R Extreme Computing: Project-based High Performance Distributed and Parallel Systems

CourseID: 160444

Faculty:

Next Term Offered:

Predictive computer simulations will play a critical role in scientific discoveries, national competitiveness, and in solving societal problems. For such predictions of real problems, the ability to scale the solution techniques, algorithms, and software to large-scale is necessary. This course will explore the techniques used for extreme computing (distributed cloud computing, scaling, performance, etc), supporting infrastructure (distributed file systems, replication, web services etc) and algorithms (MapReduce, Graph Methods, Kinetic Monte Carlo etc). Specifically, the course will identify three areas from physical, natural and social sciences that could be addressed by these techniques. The social sciences module will focus on customer reviews and influencing; the bio/health module will focus on cancer modeling; the materials module will focus on battery modeling. The faculty from Harvard, in collaboration with the visitors from National Cancer Institute and Argonne National Laboratories, will conduct the lectures and computer labs. Computing resources will be provided for the class projects.

## Applied Mathematics

### APMTH 126 Statistics and Inference in Biology

CourseID: 110059

Faculty:

Next Term Offered:

We often deal with incomplete information when going about our lives: recognizing a friend's face covered by a shadow, having a phone conversation where the reception is poor, reading a document with lots of spelling and grammatical errors. In such circumstances, we make good guesses to process and understand the data. How do we do this? What kind of mathematical framework do we need to interpret noisy and incomplete data? This course will develop a set of statistical tools that will help us solve such poorly posed problems. We will draw on examples from primary literature in biology to study optical illusions, text recognition, sequence alignment, decoding cryptographs, processing of chemo-attractive signals to find food, and survival strategies of bacteria in unpredictable environments to motivate the underlying mathematical framework.

### APMTH 216 Inverse Problems in Science and Engineering

CourseID: 135919

Faculty:

Next Term Offered: 2018 Fall

Many problems in science and engineering are inverse problems. For example, an experimental result that requires an explanation can be couched thus - given the data, what is the theory/model that provides it - this is an inverse problem. In engineering, a given function (in a product/software .... ) requires a design - again an inverse problem. In this course, we will first spend some time on characterizing common features of inverse problems from science and engineering - from oil prospecting and seismology to cognitive science, from particle physics to engineering design, then introduce deterministic and probabilistic methods for their solution, and finally deploy them computationally on real questions drawn from the sciences and engineering.

### APMTH 221 Advanced Optimization

CourseID: 107600

Faculty:

Next Term Offered:

This is a graduate level course on optimization which provides a foundation for applications such as statistical machine learning, signal processing, finance, and approximation algorithms. The course will cover fundamental concepts in optimization theory, modeling, and algorithmic techniques for solving large-scale optimization problems. Topics include elements of convex analysis, linear programming, Lagrangian duality, optimality conditions, and discrete and combinatorial optimization. Exercises and the class project will involve developing and implementing optimization algorithms.

## APMTH 225 Advanced Scientific Computing: Numerical Methods for Partial Differential Equations

CourseID: 203586

Faculty:

Next Term Offered:

This course examines a variety of advanced numerical methods, with a focus on those relevant to solving partial differential equations that arise in physical problems. Topics include the finite volume method, finite element method, discontinuous Galerkin method, and interface tracking methods. Associated problems in numerical linear algebra and optimization will be discussed. The course will examine the mathematical underpinnings of each method, as well as look at their practical usage, paying particular attention to efficient implementations on modern multithreaded and parallel computer architectures.

## APMTH 232 Estimation and Control of Dynamic Systems

CourseID: 161259

Faculty:

Next Term Offered:

This graduate level course studies dynamic systems in time domain with inputs and outputs. Students will learn how to design estimator and controller for a system to ensure desirable properties (e.g., stability, performance, robustness) of the dynamical system. In particular, the course will focus on systems that can be modeled by linear ordinary differential equations (ODEs) and that satisfy time-invariance conditions. The course will introduce the fundamental mathematics of linear spaces, linear operator theory, and then proceeds with the analysis of the response of linear time-variant systems. Advanced topics such as robust control, model predictive control, linear quadratic games and distributed control will be presented based on allowable time and interest from the class. The material learned in this course will form a valuable foundation for further work in systems, control, estimation, identification, detection, signal processing, and communications.



## Applied Physics

APPHY 225 Introduction to Soft Matter

CourseID: 121403

Faculty:

Next Term Offered:

Introduction to the physics of soft matter, also called complex fluids or squishy physics, includes the study of capillarity, thin films, polymers, polymer solutions, surfactants, and colloids,. Emphasis is on physical principles which scale bulk behavior. Students will understand the concepts, experimental techniques, and, especially, the open questions. Lecture notes are supplied in place of a textbook.

## Astronomy

### ASTRON 110 Exoplanets

CourseID: 125881

Faculty:

Next Term Offered:

A survey of the rapidly-evolving field of the detection and characterization of planets orbiting other stars. Topics includes proto-stellar collapse and star formation; protoplanetary disk structure; models of planet formation; methods of detecting extrasolar planets; composition and physical structure of planets; planetary atmospheres; habitable zones; greenhouse effect; and biosignatures.

### ASTRON 130 Cosmology

CourseID: 125883

Faculty:

Next Term Offered:

The physical model describing the initial conditions, evolution, and ultimate fate of the Universe. Topics include cosmic dynamics; the Robertson-Walker Metric; curvature; estimating cosmological parameters; the accelerating universe; dark matter; gravitational lensing; the cosmic microwave background; nucleosynthesis; inflation and the very early universe; formation of structure. Note: Offered in alternate years.

### ASTRON 151 Astrophysical Fluid Dynamics

CourseID: 124099

Faculty:

Next Term Offered:

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.

## ASTRON 202A Extragalactic Astronomy and Cosmology I

CourseID: 118139

Faculty:

Next Term Offered:

This course provides an integrated introduction to extragalactic astrophysics and cosmology. Notable topics include: fundamentals of cosmology, growth of cosmic structure, gravitational dynamics of halos and galaxies, and astrophysics of galaxy evolution.

## ASTRON 202B Extragalactic Astronomy and Cosmology II

CourseID: 111660

Faculty:

Next Term Offered:

This continues the integrated presentation of extragalactic astronomy and cosmology, focusing on more advanced topics such as: big bang nucleosynthesis, CMB anisotropies, large-scale structure, gravitational lensing, the intergalactic medium, active galactic nuclei, reionization, inflation, and dark matter.

## ASTRON 215HFA Topics in Contemporary Astrophysics

CourseID: 109579

Faculty:

Next Term Offered:

This full year half course will cover a broad range of contemporary topics in observational and theoretical astrophysics through a set of 10-12 two-week modules taught by members of the Astronomy Department faculty. The course will meet twice per week, and each module will be comprised of a stand-alone topic with a single homework assignment. Enrolled students will be required to sign up for the full year and attend half of the offered modules. Students must complete both parts of this course (parts A and B) within the same academic year in order to receive credit.

## **ASTRON 215HFB Topics in Contemporary Astrophysics**

CourseID: 160576

Faculty:

Next Term Offered:

This full year half course will cover a broad range of contemporary topics in observational and theoretical astrophysics through a set of 10-12 two-week modules taught by members of the Astronomy Department faculty. The course will meet twice per week, and each module will be comprised of a stand-alone topic with a single homework assignment. Enrolled students will be required to sign up for the full year and attend half of the offered modules. Students must complete both parts of this course (parts A and B) within the same academic year in order to receive credit.

## **ASTRON 218 Radio Astronomy**

CourseID: 112022

Faculty:

Next Term Offered:

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. Observational projects and laboratory exercises carried out with the Submillimeter Array, Haystack Observatory and the CMB Laboratory.

## **ASTRON 219 High Energy Astrophysics**

CourseID: 111053

Faculty:

Next Term Offered:

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.

## **ASTRON 253 Plasma Astrophysics**

CourseID: 109578

Faculty:

Next Term Offered:

This course provides an introduction to plasma physics and plasma processes in an astrophysical context. Topics include charged particle motions, kinetic theory, magnetohydrodynamics, waves, shocks, instabilities, partially ionized plasmas, collisionless plasmas, magnetized turbulence, particle acceleration, astrophysical dynamos, and magnetic reconnection. Astrophysical applications may include accretion disks, interstellar turbulence, cosmic rays, galactic magnetic fields, solar/stellar flares, and space weather in the Solar System and around exoplanets.

## Medical Sciences

### BCMP 302QC Molecular Movies: Introduction to 3D Visualization with Maya

CourseID: 127475

Faculty:

Next Term Offered: 2017 Fall

Introduction to advanced scientific visualization techniques using leading 3D software packages Maya and Molecular Maya. Focus will be placed on adapting existing 3D modeling/animation tools for purposes of visualizing biological processes.

### BCMP 303QC Molecular Movies: Advanced 3D Visualization with Maya

CourseID: 127476

Faculty:

Next Term Offered:

Explore Maya's vast visualization toolset. Advanced techniques in each of the phases of the 3D production pipeline will be presented including dynamics systems like Hair, nCloth, nParticles and PaintFx. Introduction to Maya's Embedded Language (MEL).

### BCMP 307QC Approaches to Drug Action, Discovery, and Design

CourseID: 127643

Faculty:

Next Term Offered: 2017 Spring

Application of molecular, systems, and structural biology, genetics, genomics, enzymology, and chemistry to development of new therapies. Examples drawn from diseases including cancer and AIDS. Students write and present proposals for discovery of new therapeutics.

### BCMP 309QC Principles of Drug Action in Man

CourseID: 109227

Faculty:

Next Term Offered: 2017 Spring

This course pairs with BCMP 307qc. Approaches to Drug Action, Discovery, and Design.

### BCMP 311QC Unmet Medical Needs and Translational Solutions

CourseID: 156498

Faculty: Jagesh Shah

Next Term Offered: 2018 Spring

The central goal of modern biomedical research is to understand the cause of human disease and to use this knowledge to develop approaches that lessen human suffering. The path from identifying an unmet medical need through the development of interventions that impact disease is a complex process demanding the best of medicine and science, strong project management, significant financial support, and persistence. In this course, students will learn to evaluate how unmet medical needs can be "translated" into new clinical practices. The course will feature assessment of unmet medical needs, case studies of successes and failures in translation, seminars from translational medicine experts, and workshops that engage students in substantive and intense discussions on current topics. Lecturers will include innovators who have successfully led the development of therapeutic interventions, leaders in basic science who have helped uncover the underlying causes of disease and investigators who have led clinical trials that lead to the approval of new interventions.

### BCMP 312QC Quantitative Methods in Pharmacology

CourseID: 161281

Faculty:

Next Term Offered:

This course will cover basic models of pharmacology using computational modeling tools. We will learn how to model basic enzyme kinetics and inhibition and whole body pharmacokinetics and use these to model specific problems in pharmacology. We will investigate case studies in infectious disease, glucose regulation, cancer therapy and unique examples of drug pharmacology. The course will be built around in-class coding exercises (using MATLAB and SimBiology) and homework assignments, as well as lectures from HMS faculty and industry leaders. No previous programming experience required. A basic understanding of enzyme kinetics and pharmacology is assumed

### CELLBIO 211 Molecular and Systems Level Cancer Cell Biology

CourseID: 116737

Faculty: Peter Sicinski  
Next Term Offered: 2018 Spring

Examines the molecular basis of cancer formation including alterations in signal transduction pathways, cell cycle machinery, and apoptosis. Describes novel systems biology proteomic approaches to study cancer cell signaling networks.

### CELLBIO 225 Hormonally Active Pollutants and Human Disease

CourseID: 125745

Faculty:

Next Term Offered:

Surprising number of environmental pollutants can mimic or interfere with developmental and physiological effects of hormones. This course examines landmark discoveries and legislation, and emphasizes current work in this emerging area.

### CELLBIO 301QC The Epidemiology and Molecular Pathology of Cancer

CourseID: 127478

Faculty: Massimo Loda

Next Term Offered: 2018 Spring

This January course will provide students with an in-depth introduction to the epidemiology and molecular pathology of cancer. We will explore multiple types of cancer, including breast, colon, lung, prostate and brain, through a series of lectures and hands-on practice tutorials. These tutorials will include training in molecular pathology techniques, state of the art image analysis of human biomarkers, tissue processing, immunohistochemistry, and tumor histology. In addition, the epidemiology, genetics and relevant signal transduction pathways of cancer will be highlighted.

### CELLBIO 305QC Intracellular Transport

CourseID: 107336

Faculty: Victor Hsu

Next Term Offered: 2017 Fall

This course will provide a practical guide to understanding the role of intracellular transport in physiology and disease settings. Basic mechanisms and also interdisciplinary areas that involve this fundamental cellular process will be selected for discussion.

## **CELLBIO 307QC Molecular Aspects of Chromatin Dynamics**

CourseID: 107455

Faculty: Danesh Moazed

Next Term Offered: 2018 Spring

This course will discuss the role of chromatin dynamics in modulating molecular and cellular processes. The genetic information encoded in our DNA is organized in a defined set of chromosomes, which are condensed about 10,000 fold in order to fit in the cell nucleus. This compaction occurs through packaging of the DNA around histone proteins, a structure known as chromatin. In what was thought to be a rigid structure, today we know that chromatin is an amazingly dynamic folding that plays a crucial role in controlling accessibility of factors to the DNA, and as such, it regulates a vast number of critical biological functions, including gene transcription, DNA replication, DNA repair and cellular identity. In this course we will attempt to cover some of the basic molecular mechanisms that play a role in regulating chromatin dynamics, and in turn how chromatin itself modulates biological processes, including basic mechanisms of inheritance. We will specifically discuss the role of DNA methylation, histone modifications, nucleosome dynamics and novel epigenetic modulators in the context of different biological processes for which chromatin accessibility appears to play a crucial role.

## **CELLBIO 310QC Current Topics in Cancer Biology Research**

CourseID: 109381

Faculty: Alex Toker

Next Term Offered: 2017 Fall

This course is designed for early- to mid-year graduate students that are interested in exploring current topics related to the Hallmarks of Cancer. Leading and cutting edge technologies in Cancer Biology Research are explored in-depth using recent papers of high profile in a round-table discussion format. Course sessions consist of a short lecture led by a postdoctoral discussion leader to review background information, followed by discussion of the literature selected for that session. Topics include: Metastasis and EMT, Tumor Microenvironment and Metabolism, Cancer Genomics, Cancer and microRNAs, and Cancer Stem Cells.

## **CELLBIO 313QC Introduction to Quantitative Microscopy & Image Analysis**

CourseID: 160762

Faculty: Jennifer Waters

Next Term Offered: 2017 Fall

When used properly, quantitative optical microscopy and computational image analysis are powerful tools for exploratory and mechanistic investigations of molecular and cellular processes. This quarter course is an introduction to experimental design and best practices for using optical microscopy techniques (fluorescence, confocal, TIRF, super-resolution, light sheet microscopy) and computational methods (image segmentation, filtering, object detection, tracking, image-derived data analysis, etc.) in cell biology research. An emphasis is placed on making accurate and precise quantitative measurements from optical microscopy images.

### CELLBIO 351 Cardiovascular Stem Cells in Development and Disease

CourseID: 122748

Faculty:

Next Term Offered:

### DRB 331 Critical Analysis and Experimental Approaches in Developmental Biology

CourseID: 110315

Faculty: David Van Vactor

Next Term Offered: 2018 Spring

This course will provide a survey of major topics and contemporary research in developmental and regenerative biology. Students will rotate in the laboratories of DRB faculty across the Harvard campuses and affiliated hospitals. Students engage with faculty and gain hands on experience in a variety of model systems, techniques and research areas. Each day of the course will consist of a lecture followed by hands-on laboratory activities and interactive discussions. Students will be required to complete the lab experience and the following assignments: lead two chalk-talk format paper presentations, and write one 5-6 page research proposal.

### GENETIC 202 Human Genetics

CourseID: 125413

Faculty: Matthew Warman

Next Term Offered: 2018 Spring

This course examines genetic principles and experimental approaches for addressing fundamental questions about human variation, history, health, and disease. Each session is comprised of a lecture and a class discussion. Each

lecture introduces a new topic while the class discussion addresses the previous week's lecture topic and solidifies knowledge about that topic through the critical reading and analysis of research and review articles. Class discussions utilize different types of source materials that are recommended by each lecturer. These materials will typically include a review article and a current article in that field. Additionally, two problem sets will be assigned over the course of the semester. These assignments will give students the opportunity to apply the concepts from the lecture and class discussion and get experience using tools critical to the study of human genetics. The knowledge and practical skills gained from this course will be applicable for many other lines of scientific inquiry.

## **GENETIC 219 Inheritance and Weird Stuff**

CourseID: 125838

Faculty:

Next Term Offered:

Focus on patterns of inheritance, including those that were once considered extraordinary but are now recognized as paradigms spanning fungi to humans. Expectations: questions, ideas, conversation during class. No tests, problem sets, or papers.

## **GENETIC 391QC Advanced Experimental Design in Genetics**

CourseID: 110243

Faculty: Fred Winston

Next Term Offered: 2018 Spring

To be run concurrently with Genetics 390qc. Students will have the opportunity to design experimental approaches that aim to answer specific questions in the field of genetics. Combined with the hands-on laboratory experience of Genetics 390qc, students will use their knowledge of experimental methods and data analysis with a variety of model organisms and techniques. Over the two-week course period, students will be asked to reflect daily on their experiences and design two unique experiments that will broaden their experience in the areas of hypothesis testing and data interpretation.

## **HTBM 201 Tumor Pathophysiology and Transport Phenomena - A Systems Biology Approach**

CourseID: 143057

Faculty: Rakesh Jain

Next Term Offered: 2017 Fall

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.

### **HTBM 303QC Vision: A System and its Assessment**

CourseID: 109226

Faculty: Russell Woods

Next Term Offered: 2017 Fall

This course provides an introduction to the visual system and its assessment. In general, we will consider vision as a system rather than its low-level components. Each two-hour session consists of two lectures provided by faculty with expertise in that area. Topics will include basic science and clinical topics, normal vision and abnormal vision, methods of assessment of animals and humans, clinical and laboratory measures.

### **IMMUN 303QC The Warring Genomes: Innate Immunity and Host Defense**

CourseID: 146353

Faculty:

Next Term Offered:

Focus on basic cellular and molecular aspects of innate immunity, with an emphasis on recent advances in the field. Each class will cover a specific topic, and supporting literature will be provided by the instructor.

### **IMMUN 308QC Transformational Immunology**

CourseID: 159944

Faculty: Shiv Pillai

Next Term Offered: 2018 Spring

This is a reading course with central themes on advances in immunology that created new paradigms and changed the field. There will be a reading requirement of 2-3 relevant papers on the topics of discussion for each week. Each session will consist of a student-led presentation of background on the topic (which will consist of a brief introduction followed by a discussion involving the whole class) followed by another student's presentation of the key points of the papers and how the new findings transformed the field. Each student is expected to make two presentations during the seven-week course. Evaluation is based on presentations and class participation.

**IMMUN 329L Examining the Interplay of Inflammation and Glycosylation**

CourseID: 146655

Faculty:

Next Term Offered:

**IMMUN 338 Identification of Novel Molecular Circuits that Link Inflammation to**

**Cancer**

CourseID: 148328

Faculty:

Next Term Offered:

**NEUROBIO 209 Neurobiology of Disease**

CourseID: 116455

Faculty: Edward Kravitz

Next Term Offered: 2018 Spring

Monday evening sessions involve patient presentations and ``core'' lectures describing clinical progression, pathology, and basic science underlying a major disease or disorder. Wednesday evenings, students present material from original literature sources, and there is general discussion..

**NEUROBIO 301QC Gene Therapy and Imaging for Nervous System Disorders**

CourseID: 127482

Faculty: Bakhos Tannous

Next Term Offered: 2017 Fall

Introduction to gene therapy, different techniques in molecular imaging to monitor gene transfer and response to therapy. Discuss trends in gene therapy: viral vectors, siRNA and cell-based therapy, clinical trials for central nervous system disorders.

**NEUROBIO 305QC Biochemistry and Biology of Neurodegenerative Diseases**

CourseID: 127719

Faculty: Michael Wolfe

Next Term Offered: 2017 Fall

Biochemistry and biology are integrated to provide a broad perspective on major human neurodegenerative diseases. The biochemistry, enzymology, structural biology and pathology of disease-associated proteins and approaches to developing therapeutics will be examined.

### NEUROBIO 307QC Molecular Causes of Congenital Defects of the CNS

CourseID: 109113

Faculty: Mary Loeken

Next Term Offered: 2019 Spring

Congenital defects can be caused by inheritance of a defective gene, maternal infection, or prenatal exposure to environmental teratogens. Use of mutant mouse strains and genomic sequencing have been particularly useful in the rapid proliferation of our understanding of the cellular and molecular mechanisms by which congenital defects of the brain or nervous system arise, and how they lead to functional consequences that range from biochemical abnormalities to gross structural defects.

### NEUROBIO 310QC Careers in Neuroscience

CourseID: 160779

Faculty:

Next Term Offered: 2017 Spring

This course provides graduate students in the Program in Neuroscience with early exposure to the opportunities and challenges associated with a variety of rewarding careers in the field of neuroscience, as well essential steps along the path towards those careers. Academic career topics will include postdoctoral training, obtaining and starting independent faculty positions, grant writing and reviewing, and opportunities for research and teaching positions. Other topics will include career opportunities in biotechnology, the pharmaceutical industry, patent law, journal editing/science writing, science policy, and consulting. One main topic will be covered at each class meeting, and one or more invited discussion leaders with expertise in the topic will participate in the class. Discussion leaders will include Harvard faculty members as well as outside experts.

### NEUROBIO 319QC Neurobiology of Psychiatric Disease: From Bench to Bedside

CourseID: 205053

Faculty:

Next Term Offered:

To provide clinical insight and critical analysis of basic and translational science approaches necessary for students to approach psychiatric disorders as scientific problems, and thus contribute future research work with clinical relevance. Each pair of lectures presents 1) basic neuroscience approaches to the neural circuitry, cell and molecular biology underlying disease, followed by 2) clinical neuroscience, genetics, neuroimaging, etc., including case studies of the disorders.

The lectures will focus on a range of psychiatric disorders, neural systems underlying behavior, and translational approaches to novel interventions, while providing insight on disease characteristics, current, novel and translationally-informed treatments, gene vs. environmental risk factors, animal models, and gaps in knowledge across the field. There will also be laboratory-based sessions (organized visits to McLean Hospital) to demonstrate examples of basic and human laboratory approaches to the study and treatment of psychiatric illness.

## **NEUROBIO 335 Physiological Function and the Pathogenetic Actions of Genes Implicated in Neurodegenerative Disease**

CourseID: 109364

Faculty:

Next Term Offered:

## **SHBT 204 Speech Communication**

CourseID: 108223

Faculty: Satrajit Ghosh

Next Term Offered:

Survey of human speech communication. Acoustic theory of speech production; physiologic and acoustic descriptions of phonetic features, prosody, voice and speech perception and speech motor control. Applications to recognition, synthesis and speech disorders.

## **SHBT 206 Molecular Biology of the Auditory System**

CourseID: 111258

Faculty: Albert Edge

Next Term Offered: 2017 Fall

Advances in molecular biology of hearing. Topics: Transcriptional and post-translational regulation of gene expression; cell fate determination during inner ear development; inner ear stem cells and regenerative capacity in various species; use of genomics in investigations of the inner ear; critical genes for generating functional hair cells.

## **VIROLOGY 302QC Viruses of Nonvertebrate Eukaryotic Hosts**

CourseID: 161290

Faculty: Max Nibert

Next Term Offered: 2018 Spring

In this course, we will expand our view, commonly focused on viruses of humans and sometimes other vertebrates, to viruses of more evolutionarily distant eukaryotic hosts including protozoa, fungi, plants, &arthropods. Emphasis will be placed on alternative means of transmission and spread exhibited by these viruses, but other distinctive aspects of their life cycles will be considered as well. Active student participation will be expected and essential for the success of this readings- and discussions-based course, which is intended for more advanced students who have some previous background in virology.

## **VIROLOGY 3603 Molecular Biology**

CourseID: 160181

Faculty:

Next Term Offered:

## Biophysics

**BIOPHYS 316 Structural Biology of ATP-Dependent Chromatin Remodeling**

CourseID: 124782

Faculty:

Next Term Offered:

**BIOPHYS 320 Single Molecule Studies of Cellular Motors**

CourseID: 125772

Faculty:

Next Term Offered:

**BIOPHYS 374 High-Resolution Electron Microscopy**

CourseID: 115675

Faculty:

Next Term Offered:

## Biostatistics

### BIOSTAT 255 Topics in Biostatistics

CourseID: 160701

Faculty:

Next Term Offered:

Offered primarily for students majoring in biostatistics, although qualified students from other departments are welcome. Topics covered vary each year, based on recent developments in biostatistics and the research interests of instructor.

## Biological Sciences in Public Health

### BIOLSCI 10LAB Introductory Molecular Biology Lab

CourseID: 131601

Faculty:

Next Term Offered:

### BPH 307QC Parasites: Expert Cell Biologists and Immunologists

CourseID: 204504

Faculty:

Next Term Offered:

This is advanced readings course focuses on a group of parasitic protozoa and helminths responsible for the highest burden of disease in developing countries. These include malaria, toxoplasma, leishmania, trypanosomes, amoebae, giardia and schistosomes. Weekly lectures from invited speakers will enhance critical readings of current literature and student-led discussions. Central themes in the pathogenesis of infectious diseases will be examined in the framework of the unique biology of eukaryotic parasites and their relationship to the host defense. Readings and discussions will emphasize experimental approaches and mechanism in parasitic infection from a molecular and cellular perspective. A final paper, in the format of a research proposal or a perspective articles, is required.

### BPH 307QC Parasites: Expert Cell Biologists and Immunologists

CourseID: 204513

Faculty:

Next Term Offered:

This is advanced readings course focuses on a group of parasitic protozoa and helminths responsible for the highest burden of disease in developing countries. These include malaria, toxoplasma, leishmania, trypanosomes, amoebae, giardia and schistosomes. Weekly lectures from invited speakers will enhance critical readings of current literature and student-led discussions. Central themes in the pathogenesis of infectious diseases will be examined in the framework of the unique biology of eukaryotic parasites and their relationship to the host defense. Readings and discussions will emphasize experimental

approaches and mechanism in parasitic infection from a molecular and cellular perspective. A final paper, in the format of a research proposal or a perspective articles, is required.

### BPH 309QC Tumor Cell Signaling and Metabolism

CourseID: 127755

Faculty: Brendan Manning

Next Term Offered: 2017 Fall

This course will focus on the metabolic reprogramming of cells as they undergo the transformation from normal to cancer cells. Emphasis will be placed on the unique nutrient and energy demands of growing tumors, the molecular mechanisms by which oncogenic signaling pathways alter cellular metabolism, and therapeutic opportunities arising from the profound differences in the metabolism of normal versus tumor cells. This course consists of one lecture and one session of critical reading of current primary literature related to the lecture each week.

### BPH 310QC Molecular Mechanisms of Aging

CourseID: 127931

Faculty: William Mair

Next Term Offered: 2017 Fall

We will explore molecular mechanisms underlying aging and aging-related disease. Topics will include nutrient signaling and energy metabolism, genome stability and proteostasis, interventional approaches to extended longevity, and theories of aging including the free radical theory. Recent and classic literature will be critically discussed.

### BPH 316QC Molecular and Cell Biology of Infectious Disease

CourseID: 109949

Faculty: Barbara Burleigh

Next Term Offered: 2017 Spring

This course will focus on medically important eukaryotic parasites (including malaria, toxoplasma, leishmania, trypanosomes, amoebae, and giardia). We will examine central themes in the pathogenesis of infectious diseases. Critical readings and discussions will emphasize biochemistry, cell and molecular biology of host-pathogen interactions during the establishment and maintenance of infection in hosts and host cells. To the extent to which it is possible, infection strategies of protozoan parasites will be compared and contrasted to those of

bacterial and viral pathogens in hosts and host cells.

### BPH 317QC Immunology of Infectious Diseases

CourseID: 143856

Faculty: Barbara Burleigh

Next Term Offered: 2017 Spring

The available information on molecular and cellular basis of innate immune responses has exploded in the last decade. In particular the role of Toll-Like receptors, inflammasomes and nucleic acid-sensing cytoplasmatic receptors on resistance to and pathogenesis of infectious diseases have been scrutinized. The main focus of the course will be on the interface of the innate and acquired immune system with microbial pathogens, discussing the role that these interactions play in protective versus deleterious immune responses, and thereby, on disease outcome. The program will promote discussions on fundamental concepts as well as new advances in the role of innate immunity in host resistance and pathogenesis of infectious diseases, with special emphasis on infections of the tropics. Each lecture requires reading several relevant papers and completion of a problem set. A final paper, in the format of a research proposal, is required.

### BPH 319QC Biology and Control of Insect Vectors in Human Health

CourseID: 156653

Faculty: Flaminia Catteruccia

Next Term Offered: 2018 Spring

The course will provide an introduction to the biology, genetics and control of insect vectors of infectious diseases that are relevant for Public Health. The focus will be on the mosquito vectors of human malaria, however students will study other vector-borne diseases including African Trypanosomiasis, Dengue and Yellow Fever. The course will address the major biological components shaping vectorial capacity: vector/parasite interactions; immunity; host seeking behavior, reproduction; chemoreception. The role of symbionts and microbiota in insect physiology and disease transmission will also be discussed. Strengths and limitations of current control strategies based on the use of insecticides (bednets and sprays), traps, larvicidal compounds, biological agents and environmental strategies will be discussed, as well as novel strategies based on genetically modified organisms and paratransgenic control (bacteria/fungi). Students will also learn current methods for functional and comparative genomics of principal disease vectors.

BPH 325 Assessment of the Impact of Workplace Pollutants on Health

CourseID: 121446

Faculty:

Next Term Offered:

## Celtic Languages and Literatures

### CELTIC 101 The Hero of Irish Myth and Saga

CourseID: 122419

Faculty:

Next Term Offered: 2018 Spring

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.

### CELTIC 103 The Celts

CourseID: 126774

Faculty:

Next Term Offered: 2017 Fall

This course examines the ways that an elusive population group called "The Celts" has been constructed from antiquity to the present. We study the linguistic, archaeological, genetic, mythological, literary and institutional bases of "Celticity" in the light of recent critiques of the ways in which these different kinds of evidence have been asked to walk hand in hand with one another in the service of certainty about Celtic identity. All texts are read in translation.

### CELTIC 105 The Folklore of Gaelic Ireland

CourseID: 160495

Faculty:

Next Term Offered: 2018 Fall

An introduction to the traditional stories, lore, customs, and music of Gaelic Ireland. Since collecting began in the eighteenth and nineteenth centuries, Ireland has amassed one of the most extensive collections of folklore in the world. Prominent tradition bearers and collectors will be introduced, and issues of collecting will be considered. Theoretical approaches will be explored to gain a deeper understanding of the material. All texts will be read in English translation.

## **CELTIC 109 Finn: The Great Gaelic Hero**

CourseID: 127630

Faculty:

Next Term Offered: 2017 Fall

This course explores the lengthy and wildly popular Irish and Scottish Gaelic tradition surrounding the hero, Finn mac Cumaill (a.k.a. 'Finn MacCool' or 'Fionn mac Cumhaill'). Finn is variously portrayed as a hunter-warrior-seer and is the leader of the intrepid fíana war band. We survey this Fenian literature as it is presented to us by medieval and early modern Gaelic manuscript tradition. We also engage with the rich modern Fenian folklore of Ireland, Scotland, and Nova Scotia. This includes the study of important texts such as *Acallam na Senórach* 'The Dialogue of the Ancients' and *Tóraigheacht Dhiarmada agus Ghráinne* 'The Pursuit of Diarmaid and Gráinne'. Additionally, we consider the international impact of the Fenian tradition by examining James Macpherson's infamous, eighteenth-century, English-language adaptations and the ensuing Ossian controversy. All Gaelic texts are read in English translation.

## **CELTIC 118 The Gaelic World: 1100 - 1700**

CourseID: 127370

Faculty: Natasha Sumner

Next Term Offered: 2018 Fall

An introduction to the history and culture of Gaelic Scotland and Ireland, with particular attention to contemporary sources, including Gaelic literary sources. All readings in English translation.

## **CELTIC 138 The Mabinogion: Stories from Medieval Wales**

CourseID: 118671

Faculty:

Next Term Offered: 2018 Spring

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. All texts are read in English translation.

## **CELTIC 184 The Táin**

CourseID: 111284

Faculty:

Next Term Offered: 2018 Spring

A study of the exuberant Irish prose epic *Táin Bó Cúailnge* ('Cattle-Raid of Cooley'). Text read in English translation.

### CELTIC 188 Scottish Gaelic Poetry

CourseID: 125945

Faculty:

Next Term Offered: 2019 Spring

An introduction to Scottish Gaelic poetry of the sixteenth to nineteenth centuries, this course explores poets' preoccupations and creative impulses in a time of regular conflict and drastic sociopolitical change. Critical issues we will consider include, but are not limited to, the role(s) of the poet in society, tradition and innovation, orality, and intertextuality. All texts will be read in English translation.

### CELTIC 194 The World of the Celtic Bard

CourseID: 126775

Faculty: Catherine McKenna

Next Term Offered: 2019 Spring

This course explores the role of the bard in the Celtic-speaking societies of Wales, Ireland and Scotland. Through the study of narrative sources concerning the origin and nature of poets and poetry, theoretical and legal texts, and, most especially, bardic poems from the early Middle Ages through the eighteenth century, we examine the physical, public and political power of a medium-poetic verse-now associated with "power" in the private and emotional sense only. We study bardic poems in various modes - eulogistic, satiric, commemorative, prophetic - and we examine the circumstances that support the institution of bardic poetry and those that contribute to its decline. Among the issues to be considered are patronage, convention, the relationship of rhetoric and truth, and the functions of poetic form. All readings in English translation, but there will be some exposure to the forms of bardic poetry in the original languages.

### IRISH 200 Introduction to Old Irish

CourseID: 123266

Faculty:

Next Term Offered: 2017 Fall

An introduction to the language of the eighth and ninth centuries, with elementary readings in prose texts.

### **IRISH 201R Continuing Old Irish**

CourseID: 117752

Faculty:

Next Term Offered: 2018 Spring

Further grammatical study, with continued reading of saga texts.

### **SCTGALIC 130 Introduction to Scottish Gaelic**

CourseID: 111042

Faculty: Natasha Sumner

Next Term Offered: 2017 Fall

An introduction to Gàidhlig (Scottish Gaelic) as it is spoken and written today. This course surveys the grammar while also emphasizing practice in speaking the language. This class is highly participatory; students are encouraged to take part in a range of communicative activities which enhance oral/aural ability. Translation exercises develop skills in the written language. A range of audio/ audiovisual materials and online resources is used to support student learning.

### **SCTGALIC 131R Intermediate Scottish Gaelic**

CourseID: 113999

Faculty: Natasha Sumner

Next Term Offered: 2018 Spring

Direct continuation of the fall term course Scottish Gaelic 130.

### **WELSH 226R Readings in Middle Welsh Prose**

CourseID: 111956

Faculty:

Next Term Offered: 2017 Fall

An exploration of the enormous variety of medieval Welsh prose literature: selections from tales and romances, chronicles, laws, and lore.

**WELSH 227 Seminar: Welsh Bardic Poetry**

CourseID: 111774

Faculty:

Next Term Offered: 2018 Spring

Readings from the *hengerdd*, the *beirdd y twysogion* 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.

## **Chemistry and Chemical Biology**

### **CHEM 30-WRL Organic Chemistry Weekly Review Lecture**

CourseID: 124256

Faculty:

Next Term Offered:

### **CHEM 115 Advanced Organic Chemistry: Synthesis of Complex Molecules**

CourseID: 114209

Faculty: Andrew Myers

Next Term Offered: 2018 Fall

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.

### **CHEM 117 Diversity-Oriented Synthesis**

CourseID: 115839

Faculty:

Next Term Offered: 2017 Spring

This course will cover reactions and strategies used in the synthesis of complex molecules. Special emphasis will be placed on reactions and strategies that are useful in diversity-oriented syntheses. Areas covered will include: conformational analysis, important C-C bond forming reactions, asymmetric synthesis, asymmetric catalysis, functional group manipulation, tandem reactions, multicomponent reactions, and strategies for ring formation. The application of diversity-oriented synthesis to the discovery of new reactions, catalysts, and molecules with novel biological properties will also be included.

### **CHEM 158 Nanoscience and Nanotechnology**

CourseID: 121512

Faculty:

Next Term Offered: 2019 Spring

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.

## East Asian Languages and Civilizations

### CHNSE BA-D Elementary Modern Chinese Drill Session

CourseID: 153843

Faculty:

Next Term Offered:

### CHNSE BA-I Elementary Modern Chinese Individual Session

CourseID: 153844

Faculty:

Next Term Offered:

### CHNSE 168R Chinese in the Social Sciences

CourseID: 108384

Faculty:

Next Term Offered: 2017 Spring

Advanced language practice through the reading and analysis of authentic academic texts in social science disciplines (e.g., history, politics, sociology, economics). May be offered independently in Chinese, or linked with an English-language content course. Specific content varies by year.

### CHNSE 280 Teaching Chinese as a Foreign/Second Languages

CourseID: 109520

Faculty:

Next Term Offered: 2017 Spring

This course is designed to introduce students to the theory and practice of teaching Chinese as a foreign/second language. It seeks to help students gain an understanding of the current issues and research about Chinese language instruction in the US.

### **CHNSHIS 113 Society and Culture of Late Imperial China**

CourseID: 120602

Faculty: Michael Szonyi

Next Term Offered: 2018 Spring

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.

### **CHNSHIS 117 History, Politics, and Culture in Manchurian Space: Proseminar**

CourseID: 156619

Faculty:

Next Term Offered:

Recent scholarship on modern East Asia has seen a marked increase in attention to history, society, and culture in Manchukuo and Manchuria from interdisciplinary and transnational perspectives. The course will explore these trends with the aim of arriving at an improved understanding of the Northeast Asian frontier zone in and around the period of 20th-c. Japanese imperialist expansion.

### **CHNSHIS 229R Topics in Ming History: Seminar**

CourseID: 127774

Faculty: Michael Szonyi

Next Term Offered: 2018 Spring

Examines various topics in the intellectual, social, and cultural history of Ming China.

### **CHNSHIS 232R Topics in Han History: Seminar**

CourseID: 117082

Faculty: Michael J. Puett

Next Term Offered: 2019 Spring

Examines various topics in the history of the Han Dynasty.

## **CHNSHIS 234R The Historiography of Early Chinese History**

CourseID: 114371

Faculty: Michael J. Puett

Next Term Offered: 2018 Spring

A study of major trends in the history of scholarship on early China. The main focus will be on 20th-century scholarship, but earlier developments will be introduced where relevant.

## **CHNSHIS 262 Local Society and Culture in Middle-Period China: Seminar**

CourseID: 156081

Faculty:

Next Term Offered:

This course explores various dimensions of local society and culture in the Tang and Song dynasties: local government, elite life, literati culture, and religion. It approaches these topics through close reading and analysis of a wide range of texts, including state documents, epitaphs, other forms of literati writing, as well as modern archeological reports. In reading these texts, the course also helps students develop a deeper understanding of Tang-Song institutions in connection to the realities of local governance and careers of civil officials. Secondary literature on local history, prosopography, and other pertinent topics will also be discussed. Knowledge of classical Chinese is required.

## **CHNSHIS 270A Research Methods in Late Imperial Chinese History I: Seminar**

CourseID: 131334

Faculty: Mark Elliott

Next Term Offered: 2019 Spring

Training in the use of a wide array of sources, methods, and reference tools for research in the history of late imperial China, focusing upon the reading and analysis of different types of Qing-era documents, official and unofficial. Students will write a research paper using documents provided in class. Reading knowledge of modern and literary Chinese required.

## **CHNSLIT 114 Introduction to Premodern Chinese Literature**

CourseID: 125194

Faculty: Xiaofei Tian

Next Term Offered: 2017 Fall

This course will introduce students to the best-known writers and canonical works of Chinese literature from the premodern period.

### **CHNSLIT 201A History of Chinese Literature: Beginnings through Song**

CourseID: 114373

Faculty: Xiaofei Tian

Next Term Offered: 2018 Fall

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 generals preparation.

### **CHNSLIT 223R Keywords**

CourseID: 109524

Faculty: Wai-Yee Li

Next Term Offered: 2017 Fall

This course will examine the semantic range of keywords in early Chinese texts (up to Han) by considering their narrative and rhetorical possibilities. What kinds of arguments do they generate? What are the stories told to illustrate their meanings?

### **CHNSLIT 247 Chinese Lyricism and Modernity: Seminar**

CourseID: 108096

Faculty:

Next Term Offered:

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.

### **CHNSLIT 267R Topics in Tang Literature: Seminar**

CourseID: 115521

Faculty: Stephen Owen

Next Term Offered: 2017 Fall

The focus for the fall term is the poetry of Du Fu and in the spring term, the poetry

of the "High Tang" from early representations to its later canonization in the thirteenth century.

### **CHNSLIT 280 Shanghai and Beijing: A Tale of Two Cities: Seminar**

CourseID: 109512

Faculty: Jie Li

Next Term Offered: 2019 Spring

This course aims to excavate the cultural and historical memories of China's two most important cities. We will discuss literary and cinematic representations, visual and material transformations of the cityscape, cities as sites of cultural production, and the lives of their inhabitants in modern times.

### **EABS 240R Japanese Buddhist Doctrine and Monastic Culture: Seminar**

CourseID: 119753

Faculty: Ryuichi Abe

Next Term Offered: 2017 Fall

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. Major theme for this semester: Buddhist cultural exchange between medieval Japan and China.

### **EABS 241 Major Issues in the Study of East Asian Buddhism**

CourseID: 125783

Faculty: Ryuichi Abe

Next Term Offered: 2018 Spring

A graduate seminar that critically examines major academic works in English on East Asian Buddhism. It is aimed at preparing EALC graduate students for their general examinations in the fields relevant to Buddhism.

### **EABS 255 Readings on Chinese Religions: Recent Scholarship on Chinese Buddhism and Daoism: Seminar**

CourseID: 125640

Faculty: James Robson

Next Term Offered: 2017 Fall

This seminar aims to discuss significant new works in the field of Chinese Religions by focusing on the historical, doctrinal, and philosophical development of the Buddhist tradition in China.

### EAFM 111 East Asian Media Studies

CourseID: 159551

Faculty: Alexander Zahlten

Next Term Offered: 2018 Fall

This course explores the explosion of media in East Asia and the resulting forms of media production, circulation and consumption that transform everyday life, economy and politics. From pop culture phenomena such as K-Pop, fan fiction and internet platforms such as Sina Weibo, 2channel or DC Inside, from mobile phone culture to video games and social networks used in political protests, complex media forms and practices are developing with lightning speed across the region and exerting global influence. The starting point of the course are questions such as: What effects does this intense new media environment have in East Asia? How are ways of thinking and behaving adjusting to completely new forms of media? What are the consequences for the future of East Asia? How do media influence us in ways that go beyond the films, music, games, news or other forms that they supply us with?

For Spring 2016 there will be film screenings once or twice a month on Thursdays 5-7 pm.

### EASTD 98H Junior Tutorial--Modern Korea History Reading and Research

CourseID: 130025

Faculty: Carter Eckert

Next Term Offered: 2018 Spring

Readings of various materials related to the history of modern Korea, in conjunction with the research and writing of a term paper using primary and secondary sources. Readings for fall 2012 will center on contemporary history after 1945.

### EASTD 160 Writing Asian Poetry

CourseID: 144069

Faculty: David McCann

Next Term Offered: 2017 Fall

The Japanese haiku is well known, widely published, written about, a part of most school curricula in the United States. The Korean sijo is less known, but stands as a compelling contrast on its own terms and as a verse form in English. The workshop will be reading examples of haiku and sijo, translations as well as poems written and published in English, then writing and comparing the forms. Participants will assemble portfolios of their own original work, with commentary and notes. We will also identify potential magazine, online or other literary journals, prepare and submit selections.

### EASTD 220R Medieval Japanese Picture Scrolls

CourseID: 144504

Faculty: Melissa M. McCormick

Next Term Offered: 2019 Spring

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.

### JAPNHIST 126 Shinto: Conference Course

CourseID: 120323

Faculty: Helen Hardacre

Next Term Offered: 2018 Spring

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.

### JAPNHIST 271R Research in Early Modern Japanese History: Seminar

CourseID: 126630

Faculty: David Howell

Next Term Offered: 2018 Spring

This seminar deals with the politics, society, and culture of Japan from the late sixteenth to the mid-nineteenth centuries. Readings will include primary and secondary sources in Japanese and English. Students will write a major research paper.

## JAPNLIT 133 Gender and Japanese Art

CourseID: 121842

Faculty: Melissa M. McCormick

Next Term Offered: 2018 Spring

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.

## JAPNLIT 170 Traditional Japanese Literature: From the Dawn of Writing to the Dawn of Modernity

CourseID: 204985

Faculty:

Next Term Offered:

This is a lecture course designed to introduce students to major genres, works, themes, questions, and patterns in Japanese literature (poetry, prose, drama, and literary thought) from the Nara period through the Edo period. We will cover a wide range of genres of poetry (waka, renga, haikai, senryū), prose (tales, anecdotes, diaries, essays, and early modern commercial fiction) and drama (nō, kyōgen, jōruri, kabuki). The course is meant to provide students with a rigorous overview of traditional Japanese literary production, but we will explore questions that fundamentally reach beyond the bounds of Japan. Major themes will include the relationships between orality and literacy, text and image, "high" and "low" genres, and native and continental literary forms. We will also address the gendered aspects of literary production and will consider the relationship between literary works and such broader contexts as politics, religion, and commercialization. The course will encompass important developments in traditional Japanese literary thought as well, from Fujiwara no Teika's essays on waka composition, to Zeami's treatises on nō theater, to early modern kokugaku theories of language,

community, and emotion. While the course will proceed chronologically, we will pay close attention to connections among texts and genres across time; reencountering works studied earlier in new contexts should help students to navigate the many centuries of material without becoming overwhelmed. The session on medieval nō theater, for example, will invite students to revisit the Tale of Genji and Tale of the Heike from a new perspective; our study of kabuki will return us to medieval religious anecdotes; and the session on eighteenth-century kokugaku literary thought will return us to the Kojiki and the Man'yōshū. While the material is meant to be accessible to undergraduates new to the study of Japanese literature, it should also be of interest to graduate students studying East Asian or other literary traditions. The main emphasis will be on primary texts, but graduate students may also be assigned relevant works of secondary scholarship.

### KORHIST 253 Modern Korean History: Proseminar

CourseID: 119686

Faculty: Carter Eckert

Next Term Offered: 2017 Fall

An introduction to some of the current issues in modern Korean history through selected readings. Designed for entering graduate students and undergraduates with a basic knowledge of modern Korean History (Societies of the World 27, "Two Koreas" or its equivalent).

### KORHIST 260 Readings in Modern Korean History I

CourseID: 112681

Faculty:

Next Term Offered: 2017 Fall

Explores the history of the field through an examination of major scholarship. Designed primarily for graduate students preparing for the general examination.

### KORLIT 110 Korean Literature: Early Times to the Early 20th Century

CourseID: 156592

Faculty: Si Nae Park

Next Term Offered: 2018 Spring

This lecture course introduces students to select representations of Korean literature through literary works and their contexts from the 9th through the early 20th centuries. Lectures will be on the socio-cultural, historical, political, and philosophical contexts within which the texts, their writers' lives, their customs, their worldviews were embedded. Readings include original texts in translation and parallel scholarly commentaries. Students will read diverse genres of writing including biographies, memorials, poetry, songs, letters, fictional prose, travelogues, memoirs, folklore, and p'ansori. Some of our literary texts may perfectly fit our understanding of what a literary text is supposed to be, while others will challenge us to expand the boundaries of what we define as literature. The course aims to uncover sensibilities that constituted what Koreans during this period perceived as literary and literature-like. Combining lectures and deep reading of the course materials for class discussions, the course also uses visual representations such as paintings, maps, and old books, and portrayals of traditional Korean literary practices in film and television. Those interested in East Asian literature, history, and society will find this course useful.

### KORLIT 133 Korean Literature in Translation

CourseID: 204996

Faculty:

Next Term Offered:

### MANCHU 120B Advanced Manchu

CourseID: 112683

Faculty: Mark Elliott

Next Term Offered: 2020 Fall

Intensive reading in Manchu archival materials, other historical texts and literary texts. Some texts in pre-diacritical form. English to Manchu translation exercises.

### MANCHU 210B Introduction to Sources for Manchu Studies

CourseID: 119671

Faculty: Mark Elliott

Next Term Offered: 2020 Fall

Research papers prepared on the basis of primary sources.

**MONGOLN B Elementary Written Mongolian**

CourseID: 123855

Faculty: Mark Elliott

Next Term Offered: 2019 Spring

Continuation of Mongolian A.

**MONGOLN 120A Intermediate Written Mongolian**

CourseID: 117090

Faculty:

Next Term Offered: 2019 Fall

Readings in classical and modern Mongolian texts.

**MONGOLN 120B Advanced Written Mongolian**

CourseID: 117091

Faculty:

Next Term Offered: 2020 Spring

Continuation of Mongolian 120a.

**UYGHUR A Elementary Uyghur**

CourseID: 124106

Faculty: Mark Elliott

Next Term Offered: 2017 Fall

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.

**UYGHUR B Elementary Uyghur**

CourseID: 124107

Faculty: Mark Elliott

Next Term Offered: 2017 Spring

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.

**UYGHUR 120A Intermediate/Advanced Uyghur**

CourseID: 124525

Faculty: Mark Elliott

Next Term Offered: 2017 Fall

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.

**UYGHUR 120B Intermediate/Advanced Uyghur**

CourseID: 124526

Faculty: Mark Elliott

Next Term Offered: 2018 Spring

Continuation of Uyghur 120A.

## **Classics, The**

### **CLASARCH 11 Introduction to the Classical Archaeology of Roman Antiquity**

**CourseID:** 108693

**Faculty:**

**Next Term Offered:** 2017 Fall

The course provides a broad overview of the development of Roman art, architecture, and material culture from the time of the Republic through the Imperial period, to the age of Constantine. It offers basic knowledge about core categories of archaeological artifacts and remains within their topographical setting and within the context of Greek culture and society; it also includes issues of archaeological methods and problems of current research.

### **CLS-STDY 152 The Construction of Gender and Sexuality in Ancient Greece**

**CourseID:** 156310

**Faculty:**

**Next Term Offered:**

This course will explore ancient Greek ideologies of gender difference and sexuality, including the mythical "origins" of gender, legal definitions of marriage and adultery, the gendering of space, the portrayal of women on the tragic stage, gender-bending and cross-dressing in comedy, medical models of sex and childbirth, and the links between pederasty and pedagogy. With the help of some important modern discussions about the construction of gender, sexuality, and identity, we will try to assess the ways in which sexual practices and male and female identities were imagined, formed, reinforced, and institutionalized during the archaic and classical periods (roughly 800-300 BCE).

### **CLS-STDY 165 Medicine in the Greco-Roman World**

**CourseID:** 124969

**Faculty:**

**Next Term Offered:**

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.

### **GREEK 3 Introductory Ancient Greek 3**

CourseID: 203229

Faculty:

Next Term Offered: 2017 Fall

Greek 3 concludes the normal introductory sequence, following Greek 1 and 2. By the end of the course participants will have been introduced to all the fundamentals of the language and had practice applying their knowledge to the reading of authentic texts.

### **GREEK 107 Thucydides**

CourseID: 123306

Faculty:

Next Term Offered:

Selected readings in Greek and English focusing on historical method and connections with fifth-century intellectual culture.

### **GREEK 112A History of Greek Literature I**

CourseID: 112288

Faculty:

Next Term Offered:

A survey of early Greek poetry and prose, with readings from Homer, Hesiod, the Homeric Hymns, lyric poetry, and Herodotus. Discussions of genre in relation to performance, historical contexts, thematic (dis)continuities, oral tradition.

### **GREEK 112B History of Greek Literature II**

CourseID: 119867

Faculty:

Next Term Offered: 2016 Spring

A survey of Greek poetry and prose with a focus on the development of narrative technique from the archaic through the classical, Hellenistic, and imperial periods. Close reading of selections in Greek with discussion of key narratological concepts and approaches. Topics include: the representation of temporality, time in relation to space, narrative voice, focalization, fictionality.

**GREEK 134 The Language of Homer**

CourseID: 115238

Faculty:

Next Term Offered:

Essentials of Greek comparative and historical grammar, and a close reading of *Iliad* 1 and 3. Diachronic aspects of Homeric grammar and diction.

**LATIN K Advanced Latin Prose Composition: Seminar**

CourseID: 114908

Faculty:

Next Term Offered: 2018 Spring

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.

## Comparative Literature

### COMPLIT 104 On Theory

CourseID: 122350

Faculty:

Next Term Offered:

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.

### COMPLIT 109 On Translation

CourseID: 117413

Faculty:

Next Term Offered:

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.

### COMPLIT 110 Literary Theory in Comparison - An Introduction

CourseID: 132590

Faculty:

Next Term Offered:

This course explores the relationship between theory and practice in literary terms. What is "theory," and why should it concern itself with literature? We'll be positing that for literature, reading and writing are co-extensive: literary theory is part and parcel of the field it seeks to analyze; literature is continuously seeking to elaborate its own theory. During the semester, we will be reading literary theory as a literary genre and literary texts as reflections on theory. We will shed light on these questions through a range of literary and critical texts, which we will bring into comparison. We will consider three pairings: first, Virginia Woolf's novel *Orlando* (1928) with her essay *A Room of One's Own* (1929); then, Honoré de Balzac's

short story *Sarrasine* (1830) with its extensive commentary by Roland Barthes in *S/Z* (1970); finally, Jose Luis Borges's anthology of short-story *Fictions* (1944) with Michel Foucault's *The Order of Things* (1966).

By engaging with these six seminal works, the course offers a focused yet comprehensive overview of some of the issues debated by literary theorists: authorship, style, gender, class, interpretation, semiotics, inter-textuality, plurality, books, libraries, knowledge and language. The students will learn how any given reading of a literary work can in fact be read as a "theoretical" piece; and how, in turn, theoretical criticism might be fruitfully analyzed as a work belonging to literary writing.

### **COMPLIT 111 Art and Life: from Wagnerian Opera to Reality TV**

CourseID: 127586

Faculty:

Next Term Offered:

The Total Artwork's desire to eliminate the borders between art and life is a project much identified with German Romanticism and Wagner's operas. Yet, this class will argue and provide case studies, the form this interrogation takes is still very much alive, and has remained so throughout the 19th and 20th centuries, culminating in the very strange project that is Reality-TV. Case Studies include: Balzac, Diderot, Wagner, Brecht, Malarme, Moholy-Nagy, Syberberg, reality shows.

### **COMPLIT 113 Existential Fictions: From Saint Augustine to Jean-Paul Sartre and Beyond**

CourseID: 122573

Faculty:

Next Term Offered:

How does one give meaning to life? Examines how great writers grapple with this question from the early days of Christianity to the digital age. Texts by Saint Augustine, Montaigne, Kierkegaard, Dostoyevksy, Nietzsche, Gide, Sartre, Beauvoir, Camus, Scorsese, and others. Special attention will be paid to how writers read and rewrite each other across centuries and borders. Cross-Listed with French.

## COMPLIT 117 Literature, Gender, and Revolution

CourseID: 109677

Faculty:

Next Term Offered:

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 Illyop, Loynaz, Marruz, Pleck, Qiu Jin, Scott, Tamura Toshiko among others.

## COMPLIT 120 Games - Tricks, Puns and Ploys in Literature and Culture

CourseID: 139362

Faculty: Cecile Guedon

Next Term Offered:

This course is an exploration of games and their philosophical stakes for literature, film and music. Drawing from insights ranging from material culture to anthropology, we will reflect upon the ludic dimension inherent in literary composition.

Our texts will cover first the thematic approach to games (including chess, cards, dice novels in the Russian tradition with Pushkin, Dostoyevsky, Nabokov) before moving to a more formalist take on game—building upon the idea of "play" in language and improvisation in aesthetic terms. We'll see thus how experimental texts use chance processes as catalysts for their composition—looking at possibilities opened up by infinite variations for Queneau, a dice throw for Mallarmé, a hopscotch design for Cortázar, an I Ching sequence for Philip K. Dick, and the tarot figures for Calvino. Finally, we will see how film, theatre and music have reflected upon the gambler/trickster as a character (Prokofiev, Lang); we'll explore how the shady trade of make-believe can ultimately be connected to the very notion of theatricality (Shakespeare, Corneille, Marivaux, Renoir).

This course will feature regular screenings, guest lectures from the Music department and visits to the Peabody Museum and the Harvard Art Museums.

## COMPLIT 121 From the 1001 Nights to the Arabian Nights: Adaptation,

Transformation, Translation

CourseID: 123897

Faculty:

Next Term Offered:

Examines how the *1001 Nights*, popularly known in the West as the *Arabian Nights*, is transformed and adapted for different media and genres. Focuses on a variety of films, (e.g., *The Thief of Baghdad*, *Chu Chin Chow*, *Aladdin*), illustrations/images (e.g., Doré, Chagall, Matisse), musical and balletic renditions (e.g., Rimsky-Korsakov, Fokine), translations (e.g., Galland, Lane, Burton, Haddawy), and re-tellings of stories (e.g., Poe, Barth, Mahfouz, Sebbar, Zimmerman). Also considers the role of the *1001 Nights* in contemporary popular culture.

### COMPLIT 123 Island Literature

CourseID: 160882

Faculty: Marc Shell

Next Term Offered:

All the world's a planetary stage. Islands, both a part of and apart from the main, offer ready-made laboratories for linguistic, narratological, and political investigation. Islandness encourages political and economic philosophy, geography, psychology, and vacation. This course focuses on island literature, with special attention to works by Homer, More, Shakespeare, Defoe, and Wagner, as well as works by cinematographers like Bergman and painters like Böcklin.

### COMPLIT 129 Reading the 18th Century Through 21st-Century Eyes

CourseID: 124819

Faculty:

Next Term Offered:

Why study the French Enlightenment today and how? How do discussions of principle play out in real-world events? Analysis of works from the eighteenth century juxtaposed with novels, plays, media events, operas, photography and films of the 20th-21st centuries; debates in literature, philosophy and the arts about cultural differences, universality, and the search for belief and confidence in a society undergoing dramatic change. Topics include the reworking of issues urgent then as now: equality, justice, freedom, tolerance, torture, human rights, the relation of the personal to the political, the role of opinion and the media in ethical interpretation.

### COMPLIT 132 Disability Studies

CourseID: 109664

Faculty:

Next Term Offered:

From stumbling Oedipus to stammering Moses and stuttering Edward the Sixth, we consider how bodily and verbal paralysis informs literary and philosophical texts. Attention to cinema, sign language, visual arts, and the rise of disability studies in the arts.

### COMPLIT 133 Shakespeare Shakes the Globe

CourseID: 109665

Faculty:

Next Term Offered:

This course examines literary, theatrical, and cinematic adaptations of Shakespeare's plays in Africa, the Americas, Asia, Europe and the Middle East. Students learn how artists, including Shakespeare, have used creative production of the past to understand and address concrete issues and problems of the present, including political scandal and persecution, imperial domination, and racial and ethnic biases and oppression. We also explore the continued vitality worldwide of theater and the arts, as well as their constant transformations throughout time and space.

### COMPLIT 135 History of Drama

CourseID: 109675

Faculty:

Next Term Offered:

This course examines the history of drama in Europe, the Middle East, China, and the New World with a focus on early modernity. How can we approach dramatic texts? How does drama relate to representation and performance? How is drama from past centuries translated and staged in a globalized world? We will explore genres such as comedy, tragedy, commedia dell'arte, opera, shadow and puppet theater. Authors include: Muhammad Ibn Daniyal, Gil Vicente, Fernando de Rojas, Machiavelli, Sperone Speroni, Valeria Miani, Monteverdi, Corneille, Racine, Cervantes, Calderón de la Barca, Sor Juana, Louise Geneviève Gillot de Sainctonge, Kong Shangren.

### COMPLIT 136 The historical novel after modernism

CourseID: 107835

Faculty:

Next Term Offered:

Modernism emphasized ruptures with the past and the uncertainty of historical knowledge; one consequence of this emphasis was a general turning away from the historical novel, seen as the most deluded form of nineteenth-century realism. This situation began to change around the time of World War II, when a growing number of novelists schooled in modernism began to write serious historical fiction. This course will explore the motives for such writing and the strategies of research, structure, style, dialogue, and characterization that once again made historical fiction a compelling enterprise, on the far side of the modernist critique of history. Readings in Borges, Yourcenar, Tolkien, Rhys, Endo, Mishima, Morrison, Calvino, Pamuk, and the Tibetan postmodernist Jamyang Norbu.

### COMPLIT 137 The Binding of Isaac in Jewish, Christian, and Islamic Tradition

CourseID: 160331

Faculty:

Next Term Offered:

The Binding of Isaac in Jewish, Christian, and Islamic Tradition

### COMPLIT 138 Subversive Renaissance: Books that Changed the World

CourseID: 156078

Faculty:

Next Term Offered:

This course explores major books from the Renaissance/early modern period (14th-17th centuries). It focuses on texts that were revolutionary when first published or/and that (still) have an impact on us now. We will discover fourteenth-century Persian poets and sonnets from sixteenth-century Poland and seventeenth-century Mexico; proto-feminist texts in France, the rise of theater in Italy, subversive short stories in Spain, utopian visions in Francis Bacon, and the limits of the human in Erasmus and Montaigne. Authors include Jahan Malek Khatun, Calderón, Petrarch, Sor Juana, Kochanowski, Machiavelli, Veronica Franco, Beccadelli, Boccaccio, Madeleine de l'Aubespine, Cervantes, and Christine de Pizan.

### COMPLIT 140 Catastrophe and Continuity in Jewish Literature from the Bible to

Today

CourseID: 160527

Faculty:

Next Term Offered:

From the Bible until today, the theme of catastrophe has loomed large in Jewish literature. Why has God's chosen people been made to undergo so many terrible ordeals and sufferings? This question has posed challenges in multiple dimensions -- theological, historiographical, literary -- and in this course we will consider the many different, often surprising (and overlooked) responses that have been given to these challenges in Jewish literature from the Biblical period through the Holocaust (and beyond). We will also consider the literary problem of the representation of catastrophe, the origins and development of martyrdom, and the history of Jewish responses to catastrophe as a tradition worthy of study in its own right. All readings will be in English translation, and will include Biblical and post-Biblical texts, Rabbinic sources, medieval chronicles, laments, and legal texts, and modern poetry, fiction, and theological writings. No previous experience in catastrophe required.

### **COMPLIT 142 Narrative Theories of Prose and Film**

CourseID: 109676

Faculty:

Next Term Offered:

An introduction to foundational narrative theories of fiction and cinema focuses on how those theories evolved from the 20th to the 21st century. Topics include the boundary between narrative and non-narrative, film adaptation, and the rise and fall of semiotics in narrative theory.

### **COMPLIT 146 Space and Place: The Environment in Film**

CourseID: 124822

Faculty:

Next Term Offered:

Focuses on the effect of the environment in film. Reads films grouped according to environmental themes (humans, nature and animals, water, consumption, pollution, climate change) side by side with critical articles. Pays special attention to the relation between space, place and the planet, ecology and technology, globalization and urbanization, postcolonialism, race, gender and class.

### **COMPLIT 147 Why the Jews?: The Modern Jewish Experience in Literature**

CourseID: 156475

Faculty:

Next Term Offered:

By the numbers, the Jews should be no better known than the Quecha people of Peru. Yet their outsize role in the Western imagination has made the Jewish experience, and its literary expression, into a fascinating case study of the intersection of language, culture and identity. This course will provide background on literary genres rooted in the Jewish religious tradition, and examine 19th, 20th and 21st century works that refine, reject, and reinvent them, introducing students to the tumultuous history of modern Jewish culture. Authors include Sholem Aleichem, Franz Kafka, S.Y. Agnon, Isaac Bashevis Singer, Amos Oz, Saul Bellow, Etgar Keret and others.

### COMPLIT 148 Crisis: Twentieth-Century European Novels

CourseID: 156476

Faculty:

Next Term Offered:

Examines major twentieth-century novels through the lens of "crisis" understood traditionally as a decisive moment, but experienced catastrophically in the twentieth century as a state of being. Authors include Rilke, Conrad, Joyce, Musil, Breton, Barnes, Valle-Inclan, Schulz, Levi.

### COMPLIT 149 Writing the World: Literature and Its Theories

CourseID: 156477

Faculty:

Next Term Offered:

The role and relations of author, reader, and text in creating fictional worlds are problems as old as literature itself. This course will look at how literature addresses these conceptual issues throughout time, from poetry to novels and plays. Each session will pair literary and theoretical texts that address one of the major conceptual issues involved in the creation and reading of literature. Using perspectives provided by Plato, Eco, Foucault, Barthes, Hutcheon, and others, we will analyze the types of relations configured among Author - Reader - Text through works that range from Shakespeare's Hamlet to Flaubert's Madame Bovary and Dostoyevsky's Notes from Underground, T.S. Eliot's Waste Land and Virginia Woolf's Mrs. Dalloway, and from Vladimir Nabokov's Pale Fire to short fictions by Jorge Luis Borges.

### COMPLIT 154 Music, Literature, and the Voice

CourseID: 125538

Faculty:

Next Term Offered:

A comparative examination of literary, philosophical and theoretical works that deal with music and the phenomenon of the voice. Topics include: the role of the voice in myth; verbal and musical form; musical meaning and expression; reading, hearing and listening; music and psychoanalysis; evanescence and silence; narrative voice and responsibility.

### COMPLIT 155 Furor Poeticus: Madness, Inspiration, Genius

CourseID: 127014

Faculty:

Next Term Offered:

Considers the classical conception of mania as a divine source of prophecy, ecstasy, poetic creation, and erotic desire; and traces how this madness unfolds in ancient tragedy and modern literature, philosophy and psychoanalysis.

### COMPLIT 157 From Type to Self in the Middle Ages

CourseID: 112654

Faculty: Luis Giron Negron

Next Term Offered:

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.

### COMPLIT 163 Jewish Languages and Literature

CourseID: 125260

Faculty:

Next Term Offered:

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.

### COMPLIT 168 The Quest for Epic: From Ariosto to Spenser and Milton

CourseID: 156480

Faculty:

Next Term Offered:

This course introduces the rich tradition of Renaissance epic. Just as Renaissance artists pursued the beauty of classical forms, so too did Renaissance poets strive to create the perfect epic poem, a modern revival of a lost ancient genre. We will explore the creative tension between epic poets and their predecessors, and investigate the larger ethical questions the poems raise. What forms of heroism does epic envisage for men-- and for women? How does epic imagine our cultural enemies? What sacrifices must be made for the sake of a civilization? Authors include Virgil, Ariosto, Tasso, Camões, Spenser, and Milton.

### COMPLIT 174 Realism, Fantasy, and the Grotesque: Hoffmann and Balzac

CourseID: 125539

Faculty:

Next Term Offered:

A close reading of select works by E.T.A. Hoffmann and his reception in the work of Balzac focuses on Realism's indebtedness to the imaginative realms of the fantastic and the grotesque. Topics: music and inspiration; societal decadence and caricature; magic and the uncanny; experience, observation and expression.

### COMPLIT 177 Figures of Orpheus: Literature, Music and Visual Arts

CourseID: 160327

Faculty:

Next Term Offered:

The course spans over two thousand years of varying interpretations, settings, and appropriations of the Orpheus myth. The power of music and the fatality of passion, the expropriating effects of language and the regenerating promise of poetry, individual uniqueness and the conditions of knowledge, are but a few of the themes addressed and elaborated within the myth's threefold configuration of harmony, descent, and dismemberment. In addition to investigating the rich literary tradition, the course also turns to significant versions in opera, film, and the visual arts. Emphasis will be placed throughout on close reading, with attention to

philosophical, aesthetic and theoretical ramifications.

### **COMPLIT 181 Kafka, Coetzee and the Difficulty of Reality**

CourseID: 107414

Faculty:

Next Term Offered:

This course examines selected works of two major modern writers, Franz Kafka and the South African Nobel Prize winner J.M. Coetzee, exploring their unique brands of literary realism, fantasy, and philosophical ethics and treatments of crises of identity, language, faith, authority and empire.

### **COMPLIT 184 Imagining the City: Literature, Film, and the Arts**

CourseID: 124069

Faculty:

Next Term Offered:

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

### **COMPLIT 193 What's Love Got to Do With It; Love Poetry of the Middle Ages and Early Modernity**

CourseID: 108791

Faculty:

Next Term Offered:

Does love have a history? The course explores the literary history of love poetry in Europe and the Middle East from the Middle Ages through the 17th century.

Reading selections from Latin and Romance love lyric (Provençal, Galician-Portuguese, French, Catalan, Spanish, the 'jarchas'), Arabic and Hebrew muwashshahat, the Italian dolce stil novo, Sufi and Christian mystical poetry, the Petrarchan sonnet and its heirs (Portugal, England, Spain), Dante's Vita Nuova and erotic narrative verse (Juan Ruiz, Ibn Hazm, 'Roman de la Rose').

Discussions framed by overview of premodern theories of love and recent scholarly debates on the origins of amour courtois.

## **COMPLIT 211 Mysticism and Literature**

CourseID: 114368

Faculty:

Next Term Offered:

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) and literary theorists (DeCerteau).

## **COMPLIT 213 Comparative Arts**

CourseID: 110481

Faculty:

Next Term Offered:

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.

## **COMPLIT 214 Islands and the World**

CourseID: 107411

Faculty:

Next Term Offered:

Islands, both a part of and apart from the main, offer ready-made laboratories for linguistic, biological and political investigation; islandness as such encourages national literature, philosophy, and vacation. Our seminar focuses on fictional islands as well as Canadian ice floes, Hormuz (Persia), Maine islets, and urban Venice. Aristotle, Plato, Darwin, Melville, Hesiod, Homer, Rabelais, More, Shakespeare, and Flaherty (director).

## **COMPLIT 221 Literature, Philosophy, Pedagogy: Love and Freedom**

CourseID: 156581

Faculty:

Next Term Offered:

Notions of "love" and "freedom" have persistently informed works of literature, visual art, and music since antiquity, exhibiting a complex variety of meanings, functions and values. The aim of this course is to investigate exemplary works that highlight some of the major tensions and questions related to distinct formulations of these two key terms. In reviewing a broad range of material, attention is paid throughout to specific historical, social, and cultural differences.

### COMPLIT 227 Comparative Modernism

CourseID: 127034

Faculty:

Next Term Offered: 2017 Spring

A survey of major works of modernist fiction in global context, going from early and 'high' modernism to late modernism and its aftermath, together with critical and theoretical readings on modernism and modernity. Readings in Baudelaire, Rilke, Lu Xun, Bely, Proust, Barnes, Kafka, Asturias, Zhang Ailing, Yourcenar, and Mishima.

### COMPLIT 230 The Poetics of Empire: Colonization, Translation, and Literary

Rewriting

CourseID: 123859

Faculty:

Next Term Offered:

Explores how (post)colonial writers from Asia, Africa, Latin America and the Middle East and writers from (former) imperial powers have reconfigured one another's literatures. Rethinks concepts of world literature and cultural negotiation.

### COMPLIT 246 The Critic in Culture

CourseID: 125149

Faculty:

Next Term Offered: 2017 Spring

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, and Agamben.

## **COMPLIT 248 American Multilingual Literature in a Transnational Context**

CourseID: 125818

Faculty:

Next Term Offered: 2017 Spring

This Longfellow Institute seminar works with original source materials in several different languages. Special focus is on the historiographic and critical treatment of non-Anglophone texts, on general and theoretical problems of an ongoing multilingual American tradition, on the recuperation and editing of texts, and on issues of translation.

## **COMPLIT 249 Cartography and Early Modern Literature**

CourseID: 109663

Faculty:

Next Term Offered:

This course explores the emergence of new cartographies, maps, and itineraries in a period of increased interest in world travels, philology, and translation. We start from ancient and medieval "cartographic" texts and authors (both European and non-European) and move to Renaissance texts and maps. How does the "spatial turn" and the visualization of knowledge - key to digital humanities today - help us deepen our understanding of early modernity? We will discuss European, Arab, and New World maps, texts and authors, among which Petrarch, Margery Kempe, Columbus, Waldseemüller, Tomas More, Sebastian Münster, Vespucci, Ibn Fadlan, Tasso, Montaigne, Boccaccio, and Catalina de Erauso.

## **COMPLIT 251 Literary Criticism and Theory: Antiquity to the Renaissance**

CourseID: 125841

Faculty:

Next Term Offered: 2017 Spring

An historical and critical examination of key issues and debates in poetic theory, rhetoric, and literary interpretation. Topics include mimesis, catharsis, expression, performance, allegoresis, typology, semiotics, hermeneutics, verisimilitude, genre, decorum, and the sublime.

## **COMPLIT 252 The Literatures of Medieval Iberia**

CourseID: 125848

Faculty:

Next Term Offered: 2017 Spring

The cultural interactions in premodern Spain between Muslims, Christians and Jews shaped the literary history of Arabic, Hebrew and the Ibero-Romance vernaculars. Our seminar examines selected scholarly debates on the comparative study of these literatures.

### COMPLIT 253 Literature, Art and Exile

CourseID: 126930

Faculty:

Next Term Offered:

Does exile enable or stifle artistic creativity? How does the experience of exile shape the attitude towards local and global culture? The course examines forms of diasporic conscience in literature and visual arts focusing on the issues of estrangement and nostalgia, comparative modernities and exilic devices, nationalism and cosmopolitanism, immigrant aesthetic and conceptions of freedom. Special topic include America through the eyes of exile, text and image in the writing of the diaspora, reconsideration of the critical theory from the perspective of exile. Works by Nabokov, Brodsky, Cortazar, Borges, Arendt, Pamuk, Rushdie, Kis, Kafka.

### COMPLIT 255 Dysfunctional Family as National Allegory in the Middle Eastern Novel

CourseID: 109673

Faculty:

Next Term Offered: 2017 Spring

The radical changes following the emergence of the modern nation state in the Middle East have been most graphically illustrated in the novel. This course examines the trope of the family in flux in narrating the destabilization of traditional social structures, shifting loyalties, and conflicting articulations of identity. The course interrogates the F. Jameson and A. Ahmad debates on 'thirdworld' and 'national allegory' in reading selected novels of the post WWII period to the present, from Turkey, Iran, Israel, and the Arab World. Authors include Naguib Mahfuz, Mohamed Shukri, Hanan Shaykh, Sahar Khalifa, Amos Oz, Elif Shafak, and Mahmoud Dowlatabadi.

### COMPLIT 256 Archeology of Modernity and Visual Culture

CourseID: 125845

Faculty:

Next Term Offered: 2017 Spring

Explores contradictions of the modern experience in literature, philosophy, arts and architecture. Topics for 2010: nostalgia and modernization, public freedom and cross-cultural memory, archeology and the creative mapping of the urban space, culture and politics. Special attention to the relationship between critical theory and creative practice. Reading from Benjamin, Simmel, Shklovsky, Nabokov, Kafka, Arendt, Certeau, Lyotard, Derrida.

### COMPLIT 258 Ancient Interpretation of the Bible

CourseID: 160526

Faculty:

Next Term Offered:

This is a course about READING; specifically about the different ways in which a single book, the Bible, has been read through the centuries, particularly in the ancient and early medieval periods by Jews and Christians. No book in the history of Western culture has been read more intensively than the Bible, and the main emphasis of the course will fall on close readings of major ancient Jewish and Christian interpreters of the Bible, with a view to considering their exegetical approaches historically as well as through the lens of contemporary critical and hermeneutical theory. We will also consider how the respective religious and theological beliefs of these interpreters shaped and were shaped by the ways they read Scripture. As a consequence, this will also be a course about the early development of Judaism and Christianity although the focus will always be on the interpretation of the bible. All readings will be in English translation, and will include Dead Sea Scrolls selections, Philo, Rabbinic Midrash and Medieval Jewish Commentaries, the New Testament, Origen and other early Christian commentators, Augustine, Luther, and as a concluding coda, Spinoza. The course is open to both undergraduates and graduate students; there will be extra sessions for the graduate students.

### COMPLIT 261 Fragments of a Material History of Literature

CourseID: 120029

Faculty:

Next Term Offered: 2017 Spring

Literary studies studied from the perspective of the practices that have shaped ideas concerning literature, writing, speech, and communication: from scrolls and codices to the rise of printing and typewriting to digital writing.

## **COMPLIT 262 Aesthetics and Freedom**

CourseID: 125826

Faculty:

Next Term Offered: 2017 Spring

Examines philosophical, political, and aesthetic conceptions of freedom from French and American revolutions to postcommunism. Topics: aesthetic education and the space of freedom, the myth of America from a cross-cultural perspective, love, and modern ethics.

## **COMPLIT 264 Thinking and Writing Transculturally**

CourseID: 123880

Faculty:

Next Term Offered:

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, translationalism, and literary reconfiguration.

## **COMPLIT 265 A World Lost, A World Regained: German Intellectuals in America**

CourseID: 127057

Faculty:

Next Term Offered: 2017 Spring

This course will investigate the fruitful yet traumatic encounter between Europe and America in the works of German émigrés to the United States in the twenties and thirties. What did they see, what did they fail to see and why.

## **COMPLIT 266 Irony**

CourseID: 118731

Faculty:

Next Term Offered:

Explores major European philosophical and aesthetic discourses on irony as well

as literary manipulations of the trope from Greek antiquity to postmodernism.

### **COMPLIT 270 Urban Imaginary and Visual Culture**

CourseID: 156478

Faculty:

Next Term Offered:

Explores urban imagination and modernity through different art forms: literature, architecture, cinema, photography, and painting. Topics include: modernity and nostalgia, monuments and ruins, cultural archaeology and urban mapping, public and domestic spaces, memory, freedom and new technologies. Works by Baudelaire, Benjamin, Simmel, Kafka, Arendt, Nabokov, Brodsky, Pamuk, Debord. Focus for 2014: Paris, Berlin, St Petersburg, Moscow, Istanbul and Passaic, NJ.

### **COMPLIT 273 Approaches to Modernity: The Metropolis**

CourseID: 121222

Faculty:

Next Term Offered:

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.

### **COMPLIT 274 Politics of Aesthetics: Worlds, Objects, Matter, Sensation**

CourseID: 128209

Faculty:

Next Term Offered:

Examines and compares the relation between politics and aesthetics in major texts by: Rancière, Balibar, Nancy, Latour, Harman, Badiou, Meillassoux, Jane Bennett, Tim Morton and others. Focuses on politics of aesthetics in critical texts of the last two decades that link a politics of aesthetics to the reassessment of world(s), objects, sensation, matter while looking for a new type of realism. Deleuze, Rancière, Nancy, Cixous, Latour, Stengers, Bennett, Graham, Badiou, Meillassoux, Morton will be paired with film, fiction, painting.

## **COMPLIT 277 Literature, Diaspora, and Global Trauma**

CourseID: 117360

Faculty:

Next Term Offered:

Examines creative and critical discourse from and about the global African, Asian (Chinese, Indian, Japanese, Korean, Vietnamese), and Middle Eastern (Jewish, Palestinian) diasporas. Focuses on the relationship among diaspora, migration, and trauma, and on the relationship between these phenomena and constructions of artistic and cultural identities, transculturation, translation, multilingualism, global history, and world literature.

## **COMPLIT 278 Failure and Change**

CourseID: 126194

Faculty:

Next Term Offered:

Analysis of the failure of models and testing of limits in reflection about change, as well as the dialogue among literary, theological, socio-political, artistic, and philosophical discourses. Topics include authority, freedom, equality, sentiment, reason, fanaticism, tolerance. Readings include works from St. Augustine, Rousseau, Diderot, Kant, Proust, Koselleck, Rorty, Beauvoir, Sartre, Kofman, Beckett. The seminar will design and develop a General Education course on these themes for undergraduates; it will also contain an arts component.

## **COMPLIT 281 Rhetoric, Imitation, Translation: Comparative Literature from Antiquity to Early Modernity**

CourseID: 109674

Faculty:

Next Term Offered: 2017 Spring

How can we think of comparative literature prior to the rise of aesthetics and "Weltliteratur" in the eighteenth century? From antiquity to early modernity, literary traditions were shaped by the rules of rhetoric, imitation, emulation, and translation. We will discuss works from Greek and Latin antiquity; the Latin, Hebrew, Arab, Persian, and Byzantine Middle Ages; and the revival of rhetoric, imitation, and translation in early modernity. Authors include Sappho, Aristotle, Cicero, Lucretius, Hermogenes, St. Jerome, Martianus Capella, Al-Farabi, Averroes, Leonardo Bruni, Isotta Nogarola, Hélisenne de Crenne, Joachim Du Bellay, Gaspara Stampa, Jan Kochanowski.

### **COMPLIT 283 Language Differences**

CourseID: 108760

Faculty:

Next Term Offered: 2017 Spring

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.

### **COMPLIT 287R Selected Topics in Poetics and Rhetoric: Seminar**

CourseID: 122889

Faculty:

Next Term Offered:

Examines literature and drama, as originally composed in a wide variety of languages, by developing comparative approaches. All readings for this course will be in English translations. Special arrangements for those who opt to read in the original languages. Selected texts include Aristotle's Poetics and Rhetoric, in translation. Undergraduates encouraged to enroll.

### **COMPLIT 288 The Ancients and the Moderns: Modern Critical Theory and the Classics**

CourseID: 124022

Faculty:

Next Term Offered:

Explores the impact of classical literature and culture on the formation of modern critical theory. Topics include: construction of power; trafficability of art; ritual theory; sexuality; gender studies; irony; orality and literacy.

### **COMPLIT 295 Frameworks in the Humanities: The Art of Listening**

CourseID: 108787

Faculty:

Next Term Offered: 2017 Spring

How do humanists across disciplines engage pertinent works in order to hone

analytical and interpretive skills? This course will focus on ``The Art of Listening," by addressing questions such as the distinction between hearing and listening and, ultimately, between sense and sensibility.

## COMPLIT 298 Allegory

CourseID: 108896

Faculty:

Next Term Offered: 2017 Spring

Investigates major landmarks in the development of allegorization and allegorical literary composition in European tradition. Starting with pseudo-Herakleitos and his allegorical hermeneutics of the Homeric epics, this seminar will study different theoretical explorations and literary manifestations of allegorical discourse from antiquity to modernity - from ancient Greek rhetoric to Prudentius to Byzantine literature to Dante to the Romantics to C. P. Cavafy to Benjamin and de Man. Topics to be addressed include: personification, ambiguity, hermeneutic double-tonguedness (amphoterglossia), the interplay between allegory and other tropes and discursive modes (metaphor, metonymy, symbol, parody, satire).

## Computer Science

### COMPSCI 136 Economics and Computation

CourseID: 128164

Faculty:

Next Term Offered:

The interplay between economic thinking and computational thinking as it relates to electronic commerce, social networks, collective intelligence and networked systems. Topics covered include: game theory, peer production, reputation and recommender systems, prediction markets, crowd sourcing, network influence and dynamics, auctions and mechanisms, privacy and security, matching and allocation problems, computational social choice and behavioral game theory. Emphasis will be given to core methodologies, with students engaged in theoretical, computational and empirical exercises.

### COMPSCI 144R Networks Design Projects

CourseID: 112630

Faculty:

Next Term Offered:

Networking has evolved to a new era of supporting large-scale distributed computing for big data. These new networks are software defined in the sense that they can be dynamically programmed to meet various communications needs in computing. In CS 144r/244r, students will obtain the knowledge and experience necessary not only to understand this momentous technological shift in networking, but also to be able to play a part themselves. To this end, the course will not only teach the fundamental concepts necessary to understand this emerging field of software-defined networking, but also real world applications of the technologies such as next-generation ultra-dense 5G cellular networks, as well as their connection with complementary topics such as machine learning. The class will be organized into the following eight modules: A View of the Future: The Promise of Next Generation Networking; Basic Network Design and Protocols; Datacenter Design and Networking; Software Defined Networking; Cross-Disciplinary Applications of Next Generation Networking: Machine Learning, Distributed Computing, and Consumer Applications; Wireless Networking: 5G Networks and Millimeter Wave Communication; Connecting the Internet of Things; Next Generation Networking Enabled Infrastructure: Network Function Virtualization. Students will gain mastery of the subject through lectures, programming assignments, discussion of the latest networking literature, and a final project. Students will have wide latitude in designing and implementing a final

project they are passionate about. Industry partners will support the course and provide resources for the final projects.

### COMPSCI 153 Compilers

CourseID: 131493

Faculty:

Next Term Offered:

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.

### COMPSCI 187 Computational Linguistics

CourseID: 117372

Faculty:

Next Term Offered: 2018 Spring

Watson is the world Jeopardy champion. Siri responds accurately to "Should I bring an umbrella tomorrow?". How do they work? This course provides an introduction to the field of 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 such as those deployed in Watson and Siri, and covers pertinent ideas from linguistics, logic programming, and statistical modeling. The course will include an experimental practicum component covering skills in technical writing and editing that should be of general use as well.

### COMPSCI 189 Autonomous Robot Systems

CourseID: 127551

Faculty:

Next Term Offered:

Building autonomous robotic systems requires understanding how to make robots that observe, reason, and act. Each component uses many engineering principles: how to fuse, multiple, noisy sensors; how to balance short-term versus long-term goals; how to control one's actions and how to coordinate with others. This year theme will be "Robots Roam the Halls", where we will focus on kinect-based robots that move in the SEAS buildings, to do applications like

navigating, map building, and interacting with people. The class format will have a mixed lecture and lab format, and have a final project component.

### **COMPSCI 221 Computational Complexity**

CourseID: 111993

Faculty:

Next Term Offered: 2017 Fall

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.

### **COMPSCI 223 Probabilistic Analysis and Algorithms**

CourseID: 114806

Faculty:

Next Term Offered: 2018 Spring

Probabilistic techniques and tools for the design and analysis of algorithms.  
Designed for all first-year graduate students in all areas.

### **COMPSCI 228 Computational Learning Theory**

CourseID: 113296

Faculty:

Next Term Offered: 2018 Spring

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.

### **COMPSCI 234R Topics on Computation in Networks and Crowds**

CourseID: 109667

Faculty:

Next Term Offered:

Topics on the design and analysis of algorithms, processes, and systems related to crowds and social networks. Readings in AI, theoretical CS, machine learning,

social science theory, economic theory, and operations research.

## COMPSCI 236R Topics at the Interface between Computer Science and Economics

CourseID: 116531

Faculty:

Next Term Offered: 2018 Spring

Interplay between computation and economics. Topics in electronic commerce, computational social choice, computational mechanism design, peer production, prediction markets and reputation systems. Readings in AI, theoretical CS, multi-agent systems, economic theory, and operations research.

## COMPSCI 242 Computing at Scale

CourseID: 160624

Faculty:

Next Term Offered:

Scaling computation over parallel and distributed computing systems is a rapidly advancing area of research receiving high levels of interest from both academia and industry. The objective can be for high---performance computing and energy---efficient computing (“green” data center servers as well as small embedded devices). In this course, students will learn principled methods of mapping prototypical computations used in machine learning, the Internet of Things, and scientific computing onto parallel and distributed compute nodes of various forms. These techniques will lay the foundation for future computational libraries and packages for both high---performance computing and energy---efficient devices. To master the subject, students will need to appreciate the close interactions between computational algorithms, software abstractions, and computer organizations. After having successfully taken this course, students will acquire an integrated understanding of these issues. The class will be organized into the following modules: Big picture: use of parallel and distributed computing to achieve high performance and energy efficiency; End---to---end example 1: mapping nearest neighbor computation onto parallel computing units in the forms of CPU, GPU, ASIC and FPGA; Communication and I/O: latency hiding with prediction, computational intensity, lower bounds; Computer architectures and implications to computing: multi---cores, CPU, GPU, clusters, accelerators, and virtualization; End---to---end example 2: mapping convolutional neural networks onto parallel computing units in the forms of CPU, GPU, ASIC, FPGA and clusters; Great inner loops and parallelization for feature extraction, data clustering and dimension reduction: PCA, random projection, clustering (K---means, GMM---EM), sparse coding (K---SVD), compressive sensing, FFT, etc.; Software abstractions and programming models: MapReduce (PageRank,

etc.), GraphX/Apache Spark, OpenCL and TensorFlow; Advanced topics: autotuning and neuromorphic spike---based computing. Students will learn the subject through lectures/quizzes, programming assignments, labs, research paper presentations, and a final project. Students will have latitude in choosing a final project they are passionate about. They will formulate their projects early in the course, so there will be sufficient time for discussion and iterations with the teaching staff, as well as for system design and implementation. Industry partners will support the course by giving guest lectures and providing resources. The course will use server clusters at Harvard as well as external resources in the cloud. In addition, labs will have access to state---of---the---art IoT devices and 3D cameras for data acquisition. Students will use open source tools and libraries and apply them to data analysis, modeling, and visualization problems.

### COMPSCI 244R Networks Design Projects

CourseID: 112631

Faculty:

Next Term Offered: 2018 Spring

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.

### COMPSCI 247R Advanced Topics in Computer Architecture

CourseID: 128149

Faculty:

Next Term Offered: 2018 Spring

Seminar course exploring recent research in computer architecture. Topics vary from year to year and will include subjects such as multi-core architectures, energy-efficient computing, reliable computing, and the interactions of these issues with system software. Students read and present research papers, undertake a research project.

### COMPSCI 262 Introduction to Distributed Computing

CourseID: 122813

Faculty:

Next Term Offered:

An examination of the special problems associated with distributed computing

such as partial failure, lack of global knowledge, asynchrony and coordination of time, and protocols that function in the face of these problems. Emphasis on both the theory that grounds thinking about these systems and in the ways to design and build such systems.

### COMPSCI 278 Rendering and Image Processing in Computer Graphics

CourseID: 116856

Faculty:

Next Term Offered:

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.

### COMPSCI 279 Research Topics in Human-Computer Interaction

CourseID: 121985

Faculty:

Next Term Offered: 2017 Fall

The course covers major areas of inquiry and core research methods in Human-Computer Interaction including experimental design, statistical data analysis, and qualitative methods. Activities will include discussion of primary literature, a small number of lectures, assignments (design, execution and analysis of both lab-based and on-line experiments), and a research project. Special focus this year is on social computing and crowd-powered systems. Specifically, we will look at the design and analysis of systems, in which crowds of intrinsically motivated volunteers contribute to meaningful and non-trivial human computation tasks as a byproduct of doing something that they are motivated to do anyway.

### COMPSCI 281 Advanced Machine Learning

CourseID: 107677

Faculty:

Next Term Offered:

Advanced statistical machine learning and probabilistic data analysis. Topics include: Markov chain Monte Carlo, variational inference, Bayesian nonparametrics, text topic modeling, unsupervised learning, dimensionality reduction and visualization. Requires a major final project.

## COMPSCI 283 Computer Vision

CourseID: 113944

Faculty:

Next Term Offered:

Vision as an ill-posed inverse problem: image formation, two-dimensional signal processing; feature analysis; image segmentation; color, texture, and shading; multiple-view geometry; object and scene recognition; and applications.

## COMPSCI 284 Optimization Algorithms for Robotics

CourseID: 160954

Faculty:

Next Term Offered:

Computational methods have revolutionized the way we control the motions of complex, nonlinear, and underactuated robots. In this course, we study a variety of optimization algorithms for designing and stabilizing trajectories for walking, manipulating, and flying systems. Topics will include optimal control (HJB and Pontryagin's minimum principle), nonlinear optimization, trajectory planning (shooting and direct methods) and stabilization, model-predictive control, legged systems (classical models, humanoids, centriodal dynamics), convex methods for control and stability analysis, and optimization through frictional contact. Students will gain practical experience implementing modern algorithms to control a variety of simulated systems using the Drake software toolbox.\*

\*<http://drake.mit.edu>

## COMPSCI 287 Statistical Natural Language Processing

CourseID: 112867

Faculty:

Next Term Offered:

Focuses on statistical and machine learning approaches to natural language processing. Methods include log-linear models, hidden Markov models and conditional random fields, expectation maximization, and neural networks. Natural language topics include language modelling, tagging and information extraction, syntactic parsing, and machine translation. As part of the course, students will also undertake a final research project.

**COMPSCI 289 Biologically-inspired Multi-agent Systems**

CourseID: 120238

Faculty:

Next Term Offered:

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.

## Dramatic Arts

### DRAMA 175X Sport as Performance

CourseID: 159955

Faculty:

Next Term Offered:

This course introduces the aesthetics of sport as theatrical performance and explores the performance of race, gender, class, nation, and sexuality in sport. Readings drawn from theatre/performance studies, anthropology, sociology, ethnic studies, gender studies, history, kinesiology. Topics covered include barnstorming, Olympics, Title IX, Native American mascots, and sports ranging from football to figure skating. Course work includes reading, writing, and research. No final exam.

## Earth and Planetary Sciences

### E-PSCI 107 Evolution of Plant Life in Geologic Time

CourseID: 108748

Faculty: Andrew Knoll

Next Term Offered: 2017 Fall

Origin, evolution, dispersal, paleoecology, and geologic history of the major groups of the plant kingdom. Laboratory study of representative groups, living and fossil.

### E-PSCI 131 Introduction to Physical Oceanography and Climate

CourseID: 111361

Faculty: Eli Tziperman

Next Term Offered: 2018 Spring

Observations and understanding of ocean physics, from local beach waves to the effects of the oceans on global climate. Topics covered include wave motions such as ocean surface waves, internal waves, tsunamis and tides; currents, including the wind driven circulation, and the Gulf stream; coastal upwelling and fisheries; temperature, salinity, the overturning thermohaline circulation and its effect on global climate stability and variability; basic fluid dynamics equations; El Niño; the oceans and global warming; Ocean observations by ships, satellites, moorings, floats and more.

### E-PSCI 132 Introduction to Meteorology and Climate

CourseID: 123877

Faculty: Brian Farrell

Next Term Offered: 2018 Fall

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.

## E-PSCI 134 Climate Change Debates: The Reading Course

CourseID: 126141

Faculty: Eli Tziperman

Next Term Offered: 2018 Spring

The atmospheric carbon dioxide concentration is now the highest it has been in at least 800,000 years, raising concerns regarding possible future climate changes. This seminar will survey the science of global change from the perspective of scientific debates within the climate community. Specifically, the course will involve guided reading and discussion of papers that present contentious view points on the science of global change, with the goal of students learning how to scientifically evaluate these claims. During weekly sections, students will review climate topics in further depth and prepare group presentations for subsequent classes.

## E-PSCI 141 Isotope and Trace Element Geochemistry and Geochronology

CourseID: 122074

Faculty: Stein Jacobsen

Next Term Offered: 2017 Fall

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.

## E-PSCI 145 Introduction to Igneous Petrology and Petrogenesis

CourseID: 121458

Faculty: Charles Langmuir

Next Term Offered: 2017 Fall

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.

## **E-PSCI 146 Ocean Ridges and the Earth System**

CourseID: 108000

Faculty: Charles Langmuir

Next Term Offered: 2018 Spring

Course will present our current knowledge of the ocean ridge system where two thirds of Earth's crust is continually being created. We will examine the progressive understanding of ocean ridges from a historical perspective, emphasizing the process of scientific discovery. Topics include melt generation in the mantle, magmatic processes in the crust, formation of ocean ridge topography, faulting and tectonics, hydrothermal systems, manifestations in the overlying water column, and the unique ecosystems associated with vents. Approaches must be inherently interdisciplinary, including geochemistry, geophysics, geology, hydrothermal systems, and biology. The place of the ocean ridge system within the overall Earth system will be emphasized.

## **E-PSCI 171 Structural Geology and Tectonics**

CourseID: 112745

Faculty: John Shaw

Next Term Offered: 2017 Fall

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.

## **E-PSCI 181 Historical Geobiology**

CourseID: 115331

Faculty: Andrew Knoll

Next Term Offered: 2017 Fall

A focused inquiry on the interactions of life and environment through geologic history. This term we will focus on mass extinctions, their causes and evolutionary consequences.

## **E-PSCI 203 Earthquakes and Faulting**

CourseID: 121615

Faculty: Brendan Meade

Next Term Offered: 2018 Spring

Earthquake phenomenology in the context of plate tectonics. Continuum mechanics and elastic deformation; seismic wave radiation. Earthquake cycle models and constraints from tectonic geodesy. Earthquake geology and paleoseismology. Source physics, fault friction, rupture dynamics. Deformation rates and fault system structure. Quantitative seismic hazard analysis.

### E-PSCI 207 Geochemical Oceanography

CourseID: 112198

Faculty: Daniel Schrag

Next Term Offered: 2018 Spring

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.

### E-PSCI 234 Topics in Generalized Stability Theory

CourseID: 109302

Faculty: Brian Farrell

Next Term Offered: 2017 Fall

An introduction to the ideas and approaches to dynamics of generalized stability theory. Topics include autonomous and non-autonomous operator stability, stochastic turbulence models and linear inverse models. Students will learn the concepts behind non-normal thinking and how to apply these ideas in geophysical fluid dynamics and climate problems.

### E-PSCI 240 Isotope and Trace Element Geochemistry and Geochronology

CourseID: 111063

Faculty: Stein Jacobsen

Next Term Offered: 2017 Fall

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.

### E-PSCI 243 Geochemical and Cosmochemical Thermodynamics

CourseID: 118676

Faculty: Stein Jacobsen

Next Term Offered: 2018 Spring

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.

### E-PSCI 245 Petrological Approaches to Understanding the Earth's System

CourseID: 125469

Faculty: Charles Langmuir

Next Term Offered: 2017 Fall

The course studies the igneous processes at spreading centers, convergent margins and hot spots, and explores their influences on mantle, crust, ocean and atmosphere and the constraints they provide for the plate tectonic geochemical cycle.

### E-PSCI 247 Ocean Ridges and the Earth System

CourseID: 110509

Faculty: Charles Langmuir

Next Term Offered: 2018 Spring

Course will present our current knowledge of the ocean ridge system where two thirds of Earth's crust is continually being created. We will examine the progressive understanding of ocean ridges from a historical perspective, emphasizing the process of scientific discovery. Topics include melt generation in the mantle, magmatic processes in the crust, formation of ocean ridge topography, faulting and tectonics, hydrothermal systems, manifestations in the overlying water column, and the unique ecosystems associated with vents. Approaches must be inherently interdisciplinary, including geochemistry, geophysics, geology, hydrothermal systems, and biology. The place of the ocean ridge system within the overall Earth system will be emphasized.

## E-PSCI 252 Global Geophysics: A Primer

CourseID: 107842

Faculty: Jerry Mitrovica

Next Term Offered: 2017 Fall

An introductory treatment of solid Earth geophysics for graduate students in all EPS and SEAS disciplines. The course will cover a sampling of topics that all Earth scientists should have knowledge of, whether to facilitate applications to their own research or to simply follow departmental seminars in geophysics. Topics include: the Earth's composition and internal boundaries; qualitative and quantitative plate tectonics; the Earth's energy budget, isostasy; Earth rheology, with examples from seismology, tides, glacial isostatic adjustment and mantle convection; the Earth's gravity field and geodesy; planetary rotation. Physical concepts will be emphasized over mathematical derivations. While there are no formal pre-requisites for the course, some training in calculus, ordinary and partial differential equations would be helpful. Extra class time and material will be available for students without this background.

## E-PSCI 261 Sea Level Change

CourseID: 126477

Faculty: Jerry Mitrovica

Next Term Offered: 2018 Spring

The physical processes responsible for sea level changes over time scales extending from hours to hundreds of millions of years. Long-term sea-level trends: geological observations, physical mechanisms and eustasy, dynamic topography. Sea-level change on an ice age Earth (glacial isostatic adjustment, GIA): observations, viscoelastic loading, mantle viscosity, the Last Glacial Maximum (LGM), interglacial sea-level change, ongoing GIA. Ocean tides: equilibrium and non-equilibrium effects, tidal dissipation. Modern global sea level change: tide gauge and geodetic observations, ice melting and thermal expansion, closing the sea-level budget, sea-level fingerprinting.

## E-PSCI 264 Planetary Magnetism and Dynamo Theory

CourseID: 110733

Faculty: Jeremy Bloxham

Next Term Offered: 2017 Fall

An introduction to the generation of planetary magnetic fields by self-sustaining dynamo action. Magnetohydrodynamics: derivation of the induction equation from

Maxwell's equations; the perfectly-conducting limit and frozen-flux; flux expulsion; diffusion and re-connection. Kinematic dynamo theory: Cowling's theorem; existence proofs; the Bullard-Gellman formalism; mean-field theories; fast dynamos. Dynamical considerations: the Navier-Stokes equation; rotating magnetoconvection; Taylor states; torsional oscillations and MAC-waves. Thermodynamic considerations: energy and entropy equations; the core heat flux problem. Numerical dynamo models.

### E-PSCI 266 Computational Tools in Seismology

CourseID: 109414

Faculty: Miaki Ishii

Next Term Offered: 2018 Spring

Seminar course that investigates computational tools that are readily available. Students will select one to two techniques (e.g., receiver functions and focal mechanism determination), present the basis, current research using the technique(s), and lead the class through installation and application of the method.

### E-PSCI 268 Induced Seismicity

CourseID: 203361

Faculty: Marine Denolle

Next Term Offered:

Literature review of earthquake source mechanisms ("static" and dynamic stress load), coulomb stress failure criterion, discussion on porous flow and poroelasticity, localized permeability, triggered vs induced seismicity, earthquake swarms, waste water injection vs hydraulic fracturing, seismic hazard analysis for anthropogenic seismicity, seismic monitoring around production well.

### E-PSCI 269 Topics in Crustal Dynamics

CourseID: 123083

Faculty: Brendan Meade

Next Term Offered: 2017 Spring

Research seminar on current problems of tectonics, faulting, and earthquake occurrence at the Pacific-North America plate boundary in California. Emphasis on the identification of extant problems that may be resolved with contemporary geologic, geophysical, and geodetic data analysis and process based modeling.

## **E-PSCI 272 Topics in Structural Geology**

CourseID: 115931

Faculty: John Shaw

Next Term Offered: 2017 Fall

Seminar course investigating recent advances in structural geology and exploration geophysics with applications in earthquake science and the petroleum industry. Specific topics vary each year offered.

## **E-PSCI 286 Current Topics in Biogeochemistry I: Biological and Inorganic Stable Isotope Systematics**

CourseID: 126176

Faculty: David Johnston

Next Term Offered: 2018 Spring

This is a reading class aimed at touring the literature on light stable isotope systematics. Topics covered will range from classic applications in geology (diagenetic and high temperature exchange), through to more novel isotope systems (clumping,  $^{17}\text{O}$ , etc.) and applications in biological systems (for instance, those effects associated with RuBiSCo). Topics covered will also flex with the interest of the enrolled students.

## Economics

### ECON S-2880 Economics of Science

CourseID: 123428

Faculty:

Next Term Offered:

Analyzes economic issues regarding the role of science and RD in the economy and in the deployment, productivity of scientists, engineers, and highly skilled technical workers. Topics include: determination of wage levels and employment prospects; stipend policy, education, recruitment, graduate student unionization and post-doc organization, career choices and trajectories, special reference to women; scientific competition and collaboration, bibliometrics of co-authorship and citations; funding mechanisms, grant awards; modes of organizing labs, and the internationalization of science.

### ECON 980BB Behavioral Economics

CourseID: 156369

Faculty:

Next Term Offered:

The seminar will focus on theoretical and experimental issues in behavioral economics. We will study the relationships between the mathematical models of individual behavior (both utility maximization and psychologically motivated models) and the kinds of behavior we can observe in the lab. We will design experiments to test various theories and also study the types of behavior for which we don't have good models yet and try to understand what a good model would look like.

### ECON 980DD Globalization and Inequality

CourseID: 000002

Faculty:

Next Term Offered:

This course will overview recent trends in the distribution of income within and across countries and will discuss economic research aimed at understanding the role of globalization (trade integration, multinational activity, etc) in shaping these trends. The course will focus on analytical and statistical methods and therefore requires knowledge of calculus and econometrics.

## ECON 980P International Trade Policy

CourseID: 110067

Faculty:

Next Term Offered:

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.

## ECON 980Y The Psychology and Economics of Beliefs

CourseID: 160328

Faculty:

Next Term Offered:

This junior seminar focuses on how individuals and groups come to form beliefs about important things in their lives. What medicines are effective? What lifestyles are healthy? What investment strategies make sense? What careers are lucrative and rewarding? What is the right way to raise children? What economic systems are efficient and fair? We will review theories and evidence about how individuals develop their beliefs from personal observations and experience, and how people learn from each other. The organizing theme will be to compare the assumption of full rationality that is traditional in economic theory to evidence identified by psychologists and others about the types of errors people make. We will also explore what consequences these errors have. When do people become overconfident in their beliefs? Or instead not learn as much as they should? Are people's beliefs internally consistent? When do groups of people all come to the same conclusions, vs. "polarize" into very different beliefs?

Because of the heavy emphasis on rigorous formal theories and measurements along the lines of mainstream economics, the course requires background in microeconomics, mathematics, and statistics.

Required readings for the course will include academic research in psychology, economic theory, empirical economics, and historical and sociological research describing the prevalence and changes in beliefs over time. The core requirement is to develop an independent research project in the tradition of theoretical or empirical economics, but regular reading and participation in will also be required.

## ECON 985KA Research in Macroeconomics, Finance, and Modeling

CourseID: 110101

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for topics in macroeconomics, finance, or theses involving theoretical models, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part one of a two part series.

### ECON 985KB Research in Macroeconomics, Finance, and Modeling

CourseID: 159894

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for topics in macroeconomics, finance, or theses involving theoretical models, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part two of a two part series.

### ECON 985LA Research in Applied Microeconomics, Development, and Health Economics

CourseID: 109235

Faculty:

Next Term Offered: 2017 Fall

Workshop for seniors writing theses. Especially for topics in development or health economics, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Part one of a two-part series; students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

### ECON 985LB Research in Development and Health Economics

CourseID: 159910

Faculty:

Next Term Offered: 2018 Spring

Workshop for seniors writing theses. Especially for topics in development or health economics, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Part two of a two-part series; students must

complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

### ECON 985MA Research in International Trade, Education, and Public Economics

CourseID: 109236

Faculty:

Next Term Offered: 2017 Fall

Workshop for seniors writing theses. Especially for topics in international trade, education, or public economics, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Part one of a two part series.

### ECON 985MB Research in International Trade, Education, and Public Economics

CourseID: 159911

Faculty:

Next Term Offered: 2018 Spring

Workshop for seniors writing theses. Especially for topics in international trade, education, or public economics, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Part two of a two part series.

### ECON 985NA Research in Applied Microeconomics, Labor and Gender

CourseID: 109237

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for applied work in microeconomics, labor, or gender issues, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part one of a two part series.

### ECON 985NB Research in Applied Microeconomics, Labor and Gender

CourseID: 159912

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for applied work in

microeconomics, labor, or gender issues, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part two of a two part series.

### ECON 985OA Research in Macro and International Economics

CourseID: 109238

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for topics in macroeconomics or international economics, but open to all fields. 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. Part one of a two part series.

### ECON 985OB Research in Macro and International Economics

CourseID: 159917

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for topics in macroeconomics or international economics, but open to all fields. 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. Part two of a two part series.

### ECON 985PA Research in Finance, Behavioral, and Experimental Economics

CourseID: 109239

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for topics in finance, behavioral economics, or experimental economics, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part one of a two-part series; students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## ECON 985PB Research in Finance, Behavioral, and Experimental Economics

CourseID: 159918

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for topics in finance, behavioral economics, or experimental economics, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part two of a two-part series; students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## ECON 985QA Research in Applied Microeconomics, Labor, and Environmental Economics

CourseID: 156648

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for applied work in microeconomics, environmental, or natural resource economics, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part one of a two part series; students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## ECON 985QB Research in Applied Microeconomics, Labor, and Environmental Economics

CourseID: 159919

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for applied work in microeconomics, environmental, or natural resource economics, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part two of a two-part series; students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## ECON 985UA Research in Macroeconomics, Trade, and Finance

CourseID: 160587

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for work in macroeconomics, trade, or finance, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part one of a two-part series; students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## ECON 985UB Research in Macroeconomics, Trade, and Finance

CourseID: 160784

Faculty:

Next Term Offered:

Workshop for seniors writing theses. Especially for work in macroeconomics, trade, or finance, but open to all fields. Emphasis on choice of research topics, methodology, and data sources. Course requires written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis. Part two of a two-part series; students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## ECON 1000 Growth, Technology, Inequality, and Education

CourseID: 110371

Faculty:

Next Term Offered:

An economist and a humanist, together with guest professors from the natural sciences, analyze familiar conceptual and policy-relevant issues from the viewpoints of their respective disciplines. For example, what are the sources of economic growth, and what does sustainable growth mean? At what point does inequality become problematic (and how do we know)? And what remedies do we have available? What are the best policies to confront job losses from technology? Is education in America today narrowing or widening economic inequality? Enhancing or retarding mobility? The goal is not merely to examine the four intertwined issues of growth, technology, inequality, and education, but to

understand the distinct concerns and methods of the humanities, social sciences, and natural sciences.

### ECON 1000A Growth, Technology, Inequality, and Evolution

CourseID: 110370

Faculty:

Next Term Offered:

An economist and a humanist, together with professors from the natural sciences, analyze familiar conceptual and policy-relevant issues from viewpoints of their respective disciplines. For example, how do we measure inequality, and at what point does it become problematic (and how do we know)? How then should it be addressed (e.g., tax code, minimum wage)? What are the best policies to confront job losses from technology? What does sustainable growth mean? The goal is not merely to examine four intertwined issues "growth, technology, inequality, and evolution" but also to understand the distinct concerns and methods of the humanities, social sciences, and natural sciences.

### ECON 1000B Growth, Technology, Inequality, and Evolution

CourseID: 110399

Faculty:

Next Term Offered:

An economist and a humanist, together with professors from the natural sciences, analyze familiar conceptual and policy-relevant issues from viewpoints of their respective disciplines. For example, how do we measure inequality, and at what point does it become problematic (and how do we know)? How then should it be addressed (e.g., tax code, minimum wage)? What are the best policies to confront job losses from technology? What does sustainable growth mean? The goal is not merely to examine four intertwined issues "growth, technology, inequality, and evolution" but also to understand the distinct concerns and methods of the humanities, social sciences, and natural sciences.

### ECON 1018 Cultural Economics

CourseID: 122655

Faculty:

Next Term Offered:

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.

## ECON 1034 Networks

CourseID: 160360

Faculty:

Next Term Offered:

Networks—of social relationships, economic interdependencies, and digital interactions—are critical in shaping our lives. This course introduces models and algorithms that help us understand networks. Fundamental concepts from applied mathematics, microeconomics, and computer science will be presented through the lens of network science, in order to equip students to usefully analyze the “big data” generated by online networks. Applications discussed include the viral spread of ideas, maximizing influence, and the contagion of economic downturns. Concepts and tools covered include game theory, graph theory, data mining, and machine learning.

## ECON 1036 The Psychology and Economics of Beliefs

CourseID: 204421

Faculty:

Next Term Offered:

This junior seminar focuses on how individuals and groups come to form beliefs about important things in their lives. What medicines are effective? What lifestyles are healthy? What investment strategies make sense? What careers are lucrative and rewarding? What is the right way to raise children? What economic systems are efficient and fair? We will review theories and evidence about how individuals develop their beliefs from personal observations and experience, and how people learn from each other. The organizing theme will be to compare the assumption of full rationality that is traditional in economic theory to evidence identified by psychologists and others about the types of errors people make. We will also explore what consequences these errors have. When do people become overconfident in their beliefs? Or instead not learn as much as they should? Are people's beliefs internally consistent? When do groups of people all come to the same conclusions, vs. "polarize" into very different beliefs? Because of the heavy emphasis on rigorous formal theories and measurements along the lines of mainstream economics, the course requires background in microeconomics, mathematics, and statistics. Required readings for the course will include academic research in psychology, economic theory, empirical economics, and

historical and sociological research describing the prevalence and changes in beliefs over time. The core requirement is to develop an independent research project in the tradition of theoretical or empirical economics, but regular reading and participation in will also be required.

## ECON 1051 Introduction to Game Theory

CourseID: 121327

Faculty:

Next Term Offered:

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.

## ECON 1053 Understanding Altruism

CourseID: 160763

Faculty:

Next Term Offered:

People give a lot: 2% of GDP is donated to charity, 2-4% of hours worked are volunteered, and 50% of Americans vote in National Elections. Yet such giving displays puzzling qualities: for example, giving is often inefficient (consider the efficiency of Habitat for Humanity) and people who would otherwise give will pay to opt out of being solicited.

We use simple game theory models, combined with models of evolution and evidence from experimental economics papers, to better understand our altruistic preferences and their puzzling qualities. In doing so, we gain insight on how to promote more effective giving (should contributions be observable?) and better policy (should the law distinguish between crimes of omission and commission?).

Through the readings, students will gain exposure to relevant literatures in experimental economics, as well as evolutionary biology and social psychology. Students will gain a facility with lab and field experimental methods, as well as the relevant game theory and dynamic models. The class is primarily discussion based; students are expected to read and be prepared to discuss cutting edge research papers each class. There will also be 2-3 problem sets over the course of the semester, and 2-3 writing assignments, including a final project in which students are required to design original research.

This class is a particularly good fit for: students wishing to launch or join non-profits and socially responsible businesses; those who have an interest in politics or policy; and, those wishing to do research--especially experimental or behavioral--related to charity or altruism, perhaps in preparation for their honors theses.

## ECON 1056 Market Design

CourseID: 125808

Faculty:

Next Term Offered:

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, procurement auctions, matching markets (students to classes or schools, medical residents to hospitals, kidneys to recipients). The analysis relies on a mix of documenting the rules of real-world markets, game theoretic analysis, empirical analysis, and experimental work. A research paper is optional with advance permission of instructor.

## ECON 1057 Experimental Economics

CourseID: 204423

Faculty:

Next Term Offered:

## ECON 1059 Decision Theory

CourseID: 124664

Faculty:

Next Term Offered:

An introduction to formal models of decision making in economics, including both classical and psychologically-motivated approaches. Topics include risk, uncertainty, ambiguity, and temptation. Prerequisites for this course include Economics 1010a1, 1010a2, or 1011a and Mathematics 21a.

## ECON 1060 Firms, Contracts, Financial Structure

CourseID: 124537

Faculty:

Next Term Offered:

Explores theoretical and empirical work on incentive problems within and between firms (with more emphasis on the theory). Topics include agency problems arising from moral hazard and asymmetric information, executive compensation; boundaries of the firm; the financial structure of public companies; venture capital contracts; financial distress and bankruptcy; non-standard forms of organization.

Prerequisites for this course include Economics 1010a1, 1010a2, or 1011a, Mathematics 20.

## ECON 1080 Great Theorems of Microeconomic Theory

CourseID: 160362

Faculty:

Next Term Offered:

This course surveys the most important results in microeconomics that have shaped the field in the years since WWII. It has two objectives: (i) To understand how the questions were posed, who the innovative researchers were, and what external influences drove them to approach the subject as they did. This ¼ of the course is the modern history of micro-economic thought. (ii) The major results themselves. This ¾ of the course is quite technical. The lectures will explain and introduce these results in their historical context, and provide the mathematical background. Class participants will present proofs of the results in section.

The major theorems covered come from choice theory under certainty and uncertainty, general equilibrium theory, non-cooperative game theory, cooperative game theory, social choice, and the economics of incentives and mechanism design.

Course requirements comprise three papers and one end-of-term take home exam. Section presentations will also be a component of the grade.

## ECON 1160 Machine and Human Intelligence

CourseID: 160352

Faculty:

Next Term Offered:

Algorithms are increasingly successful at vision and language tasks traditionally associated with human intelligence. How can we translate this success to aiding in other forms of human judgment? Can they help employers decide who to hire or judges decide whom to release? When can algorithmic intelligence profitably complement human intelligence? How can we test whether in fact an algorithm does improve on humans? How can we be sure we are not exaggerating human biases and unfairness? This class will combine econometrics and behavioral science with machine learning techniques to encourage students to think more carefully about these questions. Prerequisites: a basic understanding of machine learning techniques (readily met by anyone who has taken CS181) and a solid

understanding of econometrics or statistics (such as Econometrics 1123 or Statistics 139).

### ECON 1340 World Economic History

CourseID: 126778

Faculty:

Next Term Offered:

This course provides an overview of world economic history since the Neolithic revolution. It analyzes the main theories which have been proposed to explain these facts. Questions discussed are: why did the Neolithic revolution

### ECON 1341 The Historical Origins of Middle Eastern Development

CourseID: 124808

Faculty:

Next Term Offered:

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.

### ECON 1342 The History of Economic Growth

CourseID: 160351

Faculty:

Next Term Offered:

This course examines the history of economic growth, beginning with the divergence between human ancestors and other primates and continuing through the end of the 20th century. Topics covered include the Neolithic Revolution; economic growth in ancient societies; the origins of modern economic growth; theories and evidence about the institutional, geographic, and cultural determinants of growth; the East Asian Miracle; the middle income trap; the political economy of growth; growth and inequality; and theories and evidence about the persistence of poverty in the world's poorest regions.

Prerequisite: Economics 1010a (1011a)

### ECON 1356 Economics of Work and Family

CourseID: 125809

Faculty:

Next Term Offered:

How are the most personal choices and life transitions decided? When and whom do you marry, how many children do you have, how much education should you obtain, and which careers or jobs will you pursue? Much will be explored in terms of change over time, particularly concerning the economic emergence of women and the growing role of government. Readings draw on economic theory, empirical analyses, history, and literature from the 19th century to the present.

### ECON 1357 Historical Perspectives on Economic Ascendancy

CourseID: 126779

Faculty:

Next Term Offered:

An exploration of research in economic history, focusing on economic growth and development. Topics include: institutions and property rights; technological change and industrialization; migration and labor markets; local economic stimulus; and adaptation to the environment. The course emphasizes students learning to generate and implement ideas for new research.

### ECON 1425 Political Economics

CourseID: 125716

Faculty:

Next Term Offered:

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, and regulation.

### ECON 1430 Economic Growth, Rare Macro Disasters, and Fiscal Policy.

CourseID: 116437

Faculty:

Next Term Offered:

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.

### ECON 1450R Religion and Political Economy

CourseID: 107425

Faculty:

Next Term Offered:

Recent research on religion has stressed social-science approaches. Parts of the work assess effects of economic and other forces on religious participation and beliefs. This topic includes models of secularization and of competition among alternative forms of religion, including analyses of the Reformation. Religious conversion and the club model of religious participation will be considered. Other aspects of the research analyze effects of religiosity on microeconomic variables, including work effort, thrift, education, health, and violence. Parts consider the impact of religion on macroeconomic outcomes, including economic growth. Additional work considers the interplay between religion and political institutions, including the role of state religion and interactions with Communism and democracy.

### ECON 1530 International Monetary Economics

CourseID: 111378

Faculty:

Next Term Offered:

This is an intermediate level international finance and macroeconomics course that uses a mix of theoretical, empirical and policy frameworks to analyze topical problems in international finance. The topics include exchange rate determination, currency interventions, monetary policy coordination, capital flows and currency crises.

### ECON 1542 International Trade Policy

CourseID: 111800

Faculty:

Next Term Offered:

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.

### ECON 1620 Industry Structure, Strategy, and Public Policy

CourseID: 109289

Faculty:

Next Term Offered:

Provides a systematic economic and historical framework for evaluating industrial policies such as agricultural crop price supports, international dumping and subsidy rules, energy policy, technology policy, competition policy (antitrust), public regulation, and corporate bailouts. It proceeds through a series of 10 industry case studies, in order: agriculture, crude petroleum, petroleum refining, steel, integrated circuits, computers, the Internet, automobiles, pharmaceuticals (domestic and international), and beer. Grading will be on the basis of two short policy papers and a final examination. A longer industry study can be substituted for the final exam.

### ECON 1642 Advanced Industrial Organization

CourseID: 124646

Faculty:

Next Term Offered:

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.

### ECON 1760 Behavioral Finance

CourseID: 107403

Faculty:

Next Term Offered:

Theory and evidence on mispricing in financial markets due to investor psychology or institutional constraints. Broad themes are the practical limits of arbitrage, models of psychological behavior, and predictability of security returns. Specific topics may include market bubbles and crashes, closed end funds, value vs. growth, momentum, the money management industry, and short sale constraints.

## ECON 1776 Religion and the Rise of Capitalism

CourseID: 125944

Faculty:

Next Term Offered:

Examines the influence of religious thinking on the intellectual revolution, associated with Adam Smith and others, that created economics as we know it as an independent discipline; also examines how the lasting resonances from these early religious influences continue to shape discussion of economic issues and debates about economic policy down to our own day.

## ECON 1815 Social Problems of the American Economy

CourseID: 124547

Faculty:

Next Term Offered:

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.

## ECON 1816 Race in America

CourseID: 122102

Faculty:

Next Term Offered:

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.

## ECON 1820 Education Reform in America

CourseID: 108993

Faculty:

Next Term Offered:

Introduces students to the methods and the research frontier in the economics of education. The first quarter of the course will cover common statistical methods in

applied microeconomics, including instrumental variable models, regression discontinuities, difference-in-differences, and randomized inference. With these tools in hand, the course will critically survey the economics of education literature, placing particular emphasis on policies and practices designed to raise achievement among vulnerable populations. Topics will include achievement gaps, the role of incentives, the rise of charter schools, school turnaround efforts, and education's role in determining economic outcomes.

## ECON 2020D Economic Theory

CourseID: 160393

Faculty:

Next Term Offered:

## ECON 2040 Experimental Economics

CourseID: 123849

Faculty:

Next Term Offered:

This course discusses techniques of experimental economics and illustrates design and methodological issues in discussing recent topics in behavioral economics. At the end of the course students should be able to design their own experiments. For students who are familiar with experiments and who are already running experiments I will offer an opportunity to discuss their design ideas and to receive detailed feedback. The suggested topics include (1) an introduction to lab experiments, potential objections against lab evidence, generalizability and experimental methods, (2) classic experimental designs (markets, bargaining, public goods), (3) morality, (4) sorting, (5) formation of preferences and personality, (6) psychology of incentives (7) preferences for consistency, (8) reference dependent preferences and labor supply, and (9) non-binding default rules. Students' task for the course is to prepare a proposal for an experiment.

## ECON 2056A Market Design and Electronic Marketplaces

CourseID: 113284

Faculty:

Next Term Offered:

Explores the theory and practice of market design, with prominent examples drawn from auctions, labor markets, prediction markets and kidney exchange. In this year's version of the course, we'll emphasize online markets, including online advertising, Internet infrastructure, and collecting and analyzing data from the web. The prerequisite is Game Theory.

## ECON 2056B Topics in Market Design

CourseID: 124853

Faculty:

Next Term Offered:

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.

## ECON 2057 Rationality and Choice

CourseID: 125742

Faculty:

Next Term Offered:

The course involves critical examination of alternative approaches to rationality, which is a central concept in economics, politics and the other social sciences, moral and political philosophy, and legal theory, including law and economics.

## ECON 2070 Normative Economics

CourseID: 122100

Faculty:

Next Term Offered:

This course offers a rigorous approach to normative economics. Voting, bargaining, cooperative game theory, social choice, mechanism design, equitable cost allocation, fair division, welfare analysis of taxation, and more. Students should have an interest and ability to work with abstract mathematics and axiomatic reasoning.

## ECON 2080 Economics and Politics: The Foundations of Economics in Political Theory

CourseID: 118796

Faculty:

Next Term Offered:

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.

## ECON 2082 Social Choice Theory

CourseID: 108965

Faculty:

Next Term Offered:

A basic course in social choice theory and its analytical foundations. The subject matter will include possibility theorems in voting and in welfare economics. Attention will be paid to implementation theory, the theory of justice, and the analysis of liberties and rights.

## ECON 2098 Topics in Economic Theory

CourseID: 156616

Faculty:

Next Term Offered:

Learn how to model social and economic networks and their impact on human behavior. How do networks form, why do they exhibit certain patterns, and how does their structure impact diffusion, learning, and other behaviors? We bring together models and techniques from sociology, economics, math, physics, statistics, and computer science to answer these questions. The course is aimed at a graduate level, but accessible for advanced undergraduates who have are comfortable with matrix algebra and statistics. The course begins with some empirical background on social and economic networks, and an overview of concepts used to describe and measure networks. Next, the course covers a set of models of how networks form, including random network models as well as strategic formation models, and statistical models for working with data. The course then discusses a series of models of how the structure of social networks impacts human behavior, including contagion, diffusion, learning, and peer influences.

## ECON 2099 Market Design

CourseID: 110312

Faculty:

Next Term Offered:

This course explores the theory and practice of market design. Key topics include auctions, labor market matching, school choice programs, online markets, organ exchange systems, financial market design, and matching with contracts. The first

half of the course will introduce market design and its technology; subsequent weeks will discuss recent papers alongside their classical antecedents.

### ECON 2144 Advanced Applied Econometrics

CourseID: 111486

Faculty:

Next Term Offered:

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.

### ECON 2148 Topics in Econometrics

CourseID: 110300

Faculty:

Next Term Offered:

This course will cover several topics in micro-econometrics; the selection depends on student interest. Topics that might be covered include: Debates about "structural" and "reduced form" methods. "What can we get" - nonparametric identification using instrumental variables, panel data, and regression discontinuity designs. "What do we want" - optimal policy and parameters of interest. Estimation of policy effects on outcome distributions and economic inequality. Bayesian decision theory and nonparametric Bayesian methods. Experiments and experimental design.

### ECON 2150 The Econometrics of Machine Learning (and other 'Big Data' Techniques)

CourseID: 156429

Faculty:

Next Term Offered:

Innovations in machine learning ('big data') have created many engineering breakthroughs from real time voice recognition to automatic categorization (and in some cases production) of news stories. Since these techniques are at their essence novel ways to work with data, they should also have implications for social science. This course explores the intersection of machine learning and social science and aims to answer a few questions about these new techniques: (i) How do they work and what kinds of statistical guarantees can be made about their

performance? (ii) How can they be used to answer questions that interest social science researchers, such as testing theories or improving social policy; and (iii) How might they open up new research questions? We will cover standard machine learning techniques such as supervised and unsupervised learning, statistical learning theory and nonparametric and Bayesian approaches. The goal is to create a working understanding of when and how they can be profitably applied. Students will be required to apply some of these techniques themselves, but we will not cover the computational aspects of the underlying methods. The course is aimed at PhD students with a solid background in statistical techniques, such as comes from the equivalent of a first year economics PhD econometrics sequence.

### ECON 2325 Comparative Historical Economic Development

CourseID: 126819

Faculty:

Next Term Offered:

The course examines the historical origins of differences in the economic and social development of societies. Participants discuss recent research in the field and present their own work in progress.

### ECON 2328 The Emergence of Modern Economic Growth: A Comparative and Historical Analysis

CourseID: 122101

Faculty:

Next Term Offered:

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.

### ECON 2350 Workshop in Religion, Political Economy, and Society

CourseID: 116828

Faculty:

Next Term Offered:

Topics on the interplay between religion and the social sciences.

## ECON 2390B Development Economics I: Microeconomic Issues

CourseID: 112118

Faculty:

Next Term Offered:

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.

## ECON 2390C Development Economics II: Macroeconomic Issues

CourseID: 113478

Faculty:

Next Term Offered:

The first part will cover macro-economic topics including aggregative and non-aggregative growth models, growth and development accounting and models of technology diffusion and choice. The second part will evaluate the role of governance/institutional design in affecting development.

## ECON 2394 Political Economy and Culture

CourseID: 204662

Faculty:

Next Term Offered:

The course is intended for students interested in research within the field of political economy or cultural economics, both broadly defined. Participants discuss research papers presented by scholars at Harvard and from elsewhere. They also present their own work in progress. Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## ECON 2532 Advanced Topics in International Macroeconomics, and Finance

CourseID: 160339

Faculty:

Next Term Offered:

The course investigates the effect of financial markets, and in particular financial imperfections, on aggregate macroeconomic outcomes and asset prices. It covers applications to domestic and international macroeconomics as well as asset pricing. The course focuses on applied theory and empirical stylized facts. Topics include: borrowing constraints, financial persistence and amplification mechanisms, limits to arbitrage, asset price bubbles,

incomplete and missing markets, heterogeneous agents, portfolio balance, liquidity, safe haven assets, roll-over risk, monetary policy and risk-taking, regulation and government intervention.

## ECON 2611 Industrial Organization II

CourseID: 160346

Faculty:

Next Term Offered:

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.

## ECON 2612 Topics in Industrial Organization

CourseID: 110341

Faculty:

Next Term Offered:

## ECON 2687 Advanced Economics of the Environment, Natural Resources, and Climate Change

CourseID: 159770

Faculty:

Next Term Offered:

Survey of foundations and applications of the modern theory of environmental and natural-resource economics. What are the basic models and what are they suggesting about policy? Externalities, public goods, common property, strategies for controlling pollution. Dynamics of renewable resources (fisheries, forestry) and dynamics of non-renewable resources (minerals like oil). Discounting, uncertainty, cost-benefit analysis, investment criteria for environmental projects, green accounting, sustainability. Basic economic analysis of climate change as prototype example.

## ECON 2687 Advanced Economics of the Environment, Natural Resources, and Climate Change

CourseID: 159931

Faculty:

Next Term Offered:

Survey of foundations and applications of the modern theory of environmental and natural-resource economics. What are the basic models and what are they suggesting about policy? Externalities, public goods, common property, strategies for controlling pollution. Dynamics of renewable resources (fisheries, forestry) and dynamics of non-renewable resources (minerals like oil). Discounting, uncertainty, cost-benefit analysis, investment criteria for environmental projects, green accounting, sustainability. Basic economic analysis of climate change as prototype example.

### ECON 2723 Asset Pricing I

CourseID: 111998

Faculty:

Next Term Offered:

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.

### ECON 2728 Behavioral Finance

CourseID: 115836

Faculty:

Next Term Offered:

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.

### ECON 2730 Theoretical and Empirical Perspectives on Entrepreneurship:

#### Organizational Economics and Growth

CourseID: 161299

Faculty:

Next Term Offered:

Entrepreneurship--the formation and growth of new firms--is a complex phenomenon that has historically attracted relatively little academic attention. In recent years, however, scholars in a variety of disciplines have been devoting increasing attention to this topic. This course explores the emerging work in this

dynamic area. Reflecting the complex nature of entrepreneurship, the course will touch on literature in a variety of academic disciplines. The 2015-16 class focuses on works from the industrial economics, organizational economics, economic geography, macroeconomics and sociology literatures; the 2016-17 class focuses on works from the corporate finance and labor literatures. Students taking the course for credit will be expected to complete three referee reports and a paper.

### ECON 2811 Social Economics

CourseID: 122104

Faculty:

Next Term Offered: 2017 Spring

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.

### ECON 3087 Applied Theory: Research Workshop

CourseID: 127220

Faculty:

Next Term Offered:

Presentations of current research in the Applied Theory Field.

## Ethnicity, Migration, Rights

### EMR 120 Encountering the Conquistadors

CourseID: 160749

Faculty: Matthew Liebmann

Next Term Offered:

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. Jointly offered as Anthropology 1190.

### EMR 122 Caribbean Poetics

CourseID: 160753

Faculty: Mayra Rivera Rivera

Next Term Offered:

This course examines influential works of "Caribbean Poetics" from a literary, philosophical, and political perspective. It explores the distinctiveness of this literary tradition and its contributions to thinking about race, colonialism, language and the sacred. Readings will include Édouard Glissant, Derek Walcott, and Edwidge Danticat, among others. Jointly offered in Harvard Divinity School as HDS 2430.

### EMR 123 Issues in the Study of Native American Religion

CourseID: 160748

Faculty: Ann Braude

Next Term Offered: 2017 Fall

Based around a series of guest speakers, this course interrogates the study of religion in general and of Native American traditions in particular in light of indigenous perspectives and histories. Questions of appropriation, repatriation and religious freedom will be approached through legal as well as cultural frameworks. Jointly offered as HDS 2345 and Religion 1590.

## Engineering Sciences

### ENG-SCI 110 Science, Engineering, and the Community

CourseID: 125325

Faculty:

Next Term Offered:

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.

### ENG-SCI 130 Biogeochemistry of Carbon Dioxide and Methane

CourseID: 205340

Faculty:

Next Term Offered:

A comprehensive study of the major carbon-containing gases in the atmosphere (CO<sub>2</sub> and CH<sub>4</sub>), emphasizing biogeochemical processes in the oceans, land and atmosphere that regulate their global abundances, plus the human-controlled processes and multiple feedbacks that perturb them. Roles in energy balance, air chemistry and pollution, and stratospheric chemistry will be studied. The course emphasizes active learning, including hands on data analysis of global, regional, and ecosystem observations and creation of models for understanding the cycles and their responses to a changing environment. Students develop research projects throughout the course, and present them publicly in lieu of a final exam.

### ENG-SCI 131 Introduction to Physical Oceanography and Climate

CourseID: 156500

Faculty:

Next Term Offered: 2018 Spring

Observations and understanding of ocean physics, from local beach waves to the effects of the oceans on global climate. Topics covered include wave motions such as ocean surface waves, internal waves, tsunamis and tides; currents, including the wind driven circulation, and the Gulf stream; coastal upwelling and fisheries; temperature, salinity, the overturning thermohaline circulation and its

effect on global climate stability and variability; basic fluid dynamics equations; El Niño; the oceans and global warming; Ocean observations by ships, satellites, moorings, floats and more.

### ENG-SCI 132 Introduction to Meteorology and Climate

CourseID: 156491

Faculty:

Next Term Offered:

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.

### ENG-SCI 137 Energy within Environmental Constraints

CourseID: 156215

Faculty:

Next Term Offered:

This course provides a systematic introduction to the energy system for students in engineering and applied sciences. Students should gain a working understanding of some of the most important energy technologies, from prime movers--gas turbines, steam cycles, and reciprocating engines--to secondary energies including fuel production and refining technologies and the electricity transmission and distribution system. The course aims at a systematic understanding of the energy system's environmental footprint as a tool to help students who will work to reduce it. Energy is a commodity. One cannot hope to re-shape the energy system to meet environmental constraints without a rough working understanding of energy markets--costs, prices and elasticities of supply and demand. So the course will integrate engineering economics and other applied social sciences into the treatment of energy technologies to enable a system's view of energy.

### ENG-SCI 151 Applied Electromagnetism

CourseID: 143005

Faculty:

Next Term Offered:

Electromagnetism and its applications in science and technology. Topics:

Maxwell's equations; electromagnetic waves (e.g., light, microwaves, etc.); wave propagation through media discontinuity; transmission lines, waveguides, and microwave circuits; radiation and antennae; interactions between electromagnetic fields and matters; optics of solids; optical devices; origin of colors; interference and diffraction; lasers and masers; nuclear magnetic resonance and MRI; radio astronomy; wireless networking; plasmonic wave (charge density wave).

## ENG-SCI 164 Environmental Chemistry

CourseID: 125096

Faculty:

Next Term Offered:

Basic concepts, principles, and applications of environmental chemistry for students in Earth and environmental sciences. We will investigate a variety of chemistry topics relevant for environmental systems, including water chemistry, acids and bases, redox reactions, precipitation/dissolution, sorption, gas solubility, and aqueous and atmospheric reaction rates and mechanisms. The principal goal is to explore and apply the fundamental principles of chemical thermodynamics and kinetics to understand Earth processes and solve complex environmental problems.

## ENG-SCI 202 Estimation and Control of Dynamic Systems

CourseID: 142254

Faculty:

Next Term Offered:

This graduate level course studies dynamic systems in time domain with inputs and outputs. Students will learn how to design estimator and controller for a system to ensure desirable properties (e.g., stability, performance, robustness) of the dynamical system. In particular, the course will focus on systems that can be modeled by linear ordinary differential equations (ODEs) and that satisfy time-invariance conditions. The course will introduce the fundamental mathematics of linear spaces, linear operator theory, and then proceeds with the analysis of the response of linear time-variant systems. Advanced topics such as robust control, model predictive control, linear quadratic games and distributed control will be presented based on allowable time and interest from the class. The material learned in this course will form a valuable foundation for further work in systems, control, estimation, identification, detection, signal processing, and communications.

## **ENG-SCI 209 Nonlinear Control Systems**

CourseID: 131191

Faculty:

Next Term Offered: 2017 Fall

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.

## **ENG-SCI 212 Quantitative Cell Biology: Self-Organization and Cellular Architecture**

CourseID: 126332

Faculty:

Next Term Offered:

Cell biology \$ from foundations to current research topics. Intended for students without cell/molecular biology training. Cell architecture, molecular and phenomenological aspects, signaling, organelle form/function, trafficking, quantitative experimental techniques, models of cellular organization and dynamics.

## **ENG-SCI 241 Advanced Elasticity**

CourseID: 148181

Faculty:

Next Term Offered: 2017 Fall

Finite deformation; instabilities; thermodynamics; thermoelasticity; poroelasticity; electroactive polymers, hydrogels, polyelectrolyte gels

## **ENG-SCI 247 Fracture Mechanics**

CourseID: 144024

Faculty:

Next Term Offered:

Fundamentals of fracture with applications in materials and structural mechanics. Micromechanics of fracture in ceramics, metals, and polymers. Fracture of composite materials. Interfacial fracture mechanics. Fatigue crack propagation.

## **ENG-SCI 250 Information Theory**

CourseID: 119057

Faculty:

Next Term Offered:

Fundamental concepts of information theory, Entropy, Kullback-Leibler divergence, Mutual information; typical sequences and their applications, Loss-less data compression, Huffman codes, Elias Codes, Arithmetic Codes, Discrete Memory-less Channels, Channel Coding and Capacity, Differential Entropy, Gaussian Channels, rate distortion theory, Multi-user Information Theory, Connections between information theory and statistics.

## **ENG-SCI 252R Advanced Topics in Robotics Research**

CourseID: 123580

Faculty:

Next Term Offered:

A graduate seminar course on advanced topics in robotics research. Students read and present research papers and undertake a research project. Spring 2016 will focus on microfabrication and microrobotics.

## **ENG-SCI 259 Advanced Introduction to Robotics**

CourseID: 134052

Faculty:

Next Term Offered: 2016 Fall

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.

## **ENG-SCI 263 Chemical Reactions and Mechanisms in the Environment**

CourseID: 123682

Faculty:

Next Term Offered:

In this course a framework of tropospheric chemistry will be generated that requires no previous knowledge of this topic. The goal is to develop an understanding of chemical and physical processes in the troposphere. Focus is on the main processes transforming emissions into the secondary pollutants that affect the environment, human health, and climate, in particular with respect to the

role of anthropogenic influence. This will provide a foundation for the evaluation of the impact the newest scientific studies have on our understanding of processes that are important for the part of the atmosphere we live in.

### ENG-SCI 265 Advanced Water Treatment

CourseID: 107764

Faculty:

Next Term Offered:

Advanced Water Treatment will give students detailed instruction in emerging technologies for municipal wastewater treatment, industrial wastewater treatment, wastewater reclamation and reuse, desalination, and groundwater remediation. The course will begin by introducing wastewater quality, effluent water quality endpoints, and conventional treatment methodologies. The theoretical focus of the course will be on the fundamental biology, chemistry, and physics of processes including nanofiltration, reverse osmosis, membrane bioreactors, denitrification and phosphate removal, ozonolysis, UV photolysis, photocatalysis, and sonolysis. We will also discuss wastewater-to-energy processes including microbial fuel cells, anaerobic digestion, and electrochemical waste-to-hydrogen.

### ENG-SCI 267 Aerosol Science and Technology

CourseID: 124746

Faculty:

Next Term Offered:

Fundamental physics and chemistry underlying the science and technology of aerosols. Taught by reference to topical problems in atmospheric chemistry, planetary climates, human health, and technologies of nanofabrication.

### ENG-SCI 273 Optics and Photonics

CourseID: 123351

Faculty:

Next Term Offered: 2017 Fall

The focus is on the foundations of optics/photonics and on some of its most important modern developments and applications. Powerful and widely used computational tools will be developed in the sections. Topics to be covered: Maxwell's equations, Free space optics. Reflection, refraction, polarization (Jones Calculus and Stokes parameters); interference and diffraction. Light-matter interaction, dispersion and absorption. Guided wave optics (including optical

fibers). Perturbation and couple mode theory, transfer matrix methods; numerical methods. Optical resonators. Lasers and elements of nonlinear optics. Photonic crystals. Near-field optics. Metal optics and Plasmonics. Metamaterials.

## ENG-SCI 298R Mitigating Toxicity through Better Materials Design

CourseID: 107995

Faculty:

Next Term Offered:

Manufacturing new materials is an important component of the world economy as demand ranges from smart phones and processed food to automobiles and airplanes. Rapid changes in the diversity and uses of materials often occur due to technological needs and economic drivers without consideration of environmental and health impacts. This can lead to large scale, global health and contamination problems such as large quantities of plastic waste in oceans, lead exposures from paint in children's toys, and widespread contamination of drinking water in regions exploited for hydraulic fracturing. The class will explore whether it is possible to use the latest advances in science, engineering, and nanotechnology to chart a sustainable material revolution. Guest lecturers from both industry and environmental regulatory agencies will be invited to speak to the class. Course evaluation will be based on in-class participation, presentations and a final project/review paper.

## English

### ENGLISH CANR Advanced Playwriting: Production Workshop

CourseID: 130458

Faculty:

Next Term Offered:

This workshop course is for writers with prior experience in dramatic writing. In the first half of the term, we will read and discuss plays and other theatrical texts, and develop work through in-class exercises and other assignments. As the semester progresses, the focus will be on the development of students' work-in-progress. Plays written in this course will be eligible to be included as staged readings in the spring Harvard Playwrights' Festival.

### ENGLISH CDPR Devotional Poetry

CourseID: 160743

Faculty:

Next Term Offered:

In this workshop we will focus on the devotional poetry of John Donne, George Herbert, Henry Vaughan, and GM Hopkins, looking first into certain texts of the Old Testament—Psalms, Song of Solomon, Book of Job—from which so much of devotional poetry extends. In conversation with these four poets, students can expect to build and execute their own plaintive lyric “I,” design new ecstatic/meditative soundscape, and plan and deliver the imagistic configurations that will best give them direct-line access to the God (or gods) of their own choice or invention. As this a poetry workshop, all assignments will be creative.

### ENGLISH CNFR Creative Nonfiction: Workshop

CourseID: 145426

Faculty:

Next Term Offered:

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.

### **ENGLISH CNNR Creative Nonfiction: Workshop**

CourseID: 148302

Faculty:

Next Term Offered:

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 workshopping 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.

### **ENGLISH CSSR The Short Screenplay: Workshop**

CourseID: 160960

Faculty:

Next Term Offered:

This class introduces the short screenplay -anywhere from one to thirty formatted pages. Students will learn the basics of this challenging form by viewing short films and reading short screenplays, short stories, and short creative essays.

We'll focus on character and plot in the scripts we develop because many short films-even highly lauded ones-are lacking in these areas. The goal of the course is to write scripts that can actually be produced, so we'll also consider budgetary matters when we're writing.

Prior screenwriting experience is required.

### **ENGLISH CTR Advanced Fiction Writing**

CourseID: 120584

Faculty:

Next Term Offered:

Writers will become familiar with more sophisticated 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 we will 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. Students in this course will be expected to revise work often and to a very high standard.

### ENGLISH CVR Fiction Writing

CourseID: 130811

Faculty:

Next Term Offered:

A seminar/workshop. Readings to be announced.

### ENGLISH 40 Arrivals

CourseID: 145787

Faculty:

Next Term Offered:

An introduction to major works in English literature from Beowulf through the seventeenth century, the course will explore various ways that new literatures are created in response to cultural forces that shape poets, genres, and group identity. We will hone close reading skills, introduce rhetorical tropes, and develop techniques of critical writing.

### ENGLISH 90BE Beastly Stories: Seminar

CourseID: 160008

Faculty:

Next Term Offered:

A seminar on the meanings and programs associated with animal literature, from satire to children's entertainment, and how the different forms of the animal fable, beast epic, and allegory complement or complicate those meanings. Our aim is to understand why animals are, in Claude Levi-Strauss' phrase, "good to think [with]." Texts include *Animal Farm*, *The Tempest*, and *Fantastic Mr. Fox*.

### ENGLISH 223US Unfamiliar Shakespeare

CourseID: 205132

Faculty:

Next Term Offered:

## ENGLISH 286NM The Novel in the History of Media

CourseID: 205133

Faculty:

Next Term Offered:

This course investigates the rise of the novel in conjunction with the rise of modern communications networks and information technologies. It investigates this literary genre's accounts of people's interconnectedness alongside those projected by the postal system, the telegraph, and the radio. We'll read widely in the history of English-language fiction-- from Daniel Defoe to Jennifer Egan, by way of Sterne, Gaskell, James, and others--and in recent works of media archaeology.

## ENGLISH 296E The Literary Essay

CourseID: 114830

Faculty:

Next Term Offered:

The literary essay, in its breadth of reference and occasional form, was the forerunner of much of what is today called ``cultural studies.'' This seminar will consider major essayists from the 16th to the 21st centuries, with particular attention to strategies of argument, evidence, and style, and to contemporary critical writing. Montaigne, Bacon, Hazlitt, Emerson, Benjamin, Adorno, Eliot, Woolf, Barthes, Sontag, and others. The essay from the time of Montaigne and Bacon has been an astonishingly supple and capacious genre, with a range of reference from the highly particular and peculiar to the broadly general. In its breadth of reference and occasional form, the literary essay was the forerunner of much of what is today called "cultural studies," on the one hand, and "creative nonfiction" on the other. This seminar will consider major essayists from the sixteenth to the twenty-first centuries, with particular attention to strategies of argument, evidence and style, and to contemporary critical writing. Montaigne, Bacon, Addison, Johnson, Hazlitt, Emerson, Benjamin, Adorno, Eliot, Woolf, Barthes, Sontag, and others.

## **Environmental Science and Public Policy**

### **ESPP 11 Sustainable Development**

CourseID: 109934

Faculty:

Next Term Offered:

Explores contemporary understandings and practical implications of the idea of sustainable development. Investigates the meanings and measures that different groups have given to "sustainable development;" scientific understanding of the complex social-environmental systems we seek to develop sustainably; and lessons on how societies have avoided the "tragedy of the commons" while instituting practical action that advances sustainable development effectively and equitably. Employs case studies in development to meet needs for energy, food, water and health.

### **ESPP 77 Technology, Environment, and Society**

CourseID: 109882

Faculty: Sheila Jasanoff

Next Term Offered: 2017 Fall

Our interactions with the natural world are increasingly mediated through changes in technology. Technologies create risks, generate solutions, reshape the environment, and alter our perception of the boundaries between nature and artifice. This course draws on major theories of technology and society to inform and deepen our understanding of environmental problems and policy options.

### **ESPP 90J Environmental Crises, Climate Change, and Population Flight**

CourseID: 122678

Faculty: Jennifer Leaning

Next Term Offered:

War, disaster, drought, or famine force people to flee their land. Climate change is contributing to many of these factors. The humanitarian consequences of population flight, including 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.

### **ESPP 90P Biotechnology, Sustainability and Public Policy**

CourseID: 126892

Faculty:

Next Term Offered:

This seminar examines the implications of biotechnology for sustainability. Using case studies, it focuses on policy approaches for maximizing the benefits of biotechnology and minimizing their risks. It addresses the following themes: (1) scientific and technological advances in biotechnology and sustainability; (2) social responses to the use of biotechnology; (3) application of biotechnology specific sectors such as agriculture; industry; energy; bioremediation and species conservation; (4) socio-economic impacts; and (5) policy and institutional considerations.

### **ESPP 90T Environmental Health: Your World and Your Life at Risk**

CourseID: 128099

Faculty: Douglas Dockery

Next Term Offered:

Through the seminar course students will be introduced to ongoing environmental health research. They will read published articles and interview faculty. Studies will include birth outcomes and heavy metals; neurological and cognitive development in children exposed to lead; dietary interventions and pesticide exposure; asthma and public housing; air pollution and cardiovascular health; exposures and effects of plasticizers, flame retardants, polychlorinated biphenyls (PCBs), bisphenol A (BPA) and other synthetic organic compounds; cell phone use and brain cancer; respiratory effects of biomass cooking and heat fuels on children and women; heat waves and heat stress mortality; and land-use factors and obesity.

### **ESPP 90V Economic Evaluation of Environmental Regulation**

CourseID: 108720

Faculty:

Next Term Offered: 2016 Fall

What level of environmental protection is best? Stronger regulations provide greater protection against the target harm, but generally at the cost of reduced economic consumption or increases in other environmental harms. What principles can be used to determine the 'right' level of protection, and how can

regulations be evaluated? This course provides an introduction to environmental risk assessment and benefit-cost analysis of environmental regulation, incorporating theory and case studies.

## Folklore and Mythology

FOLKMYTH 90H Hero and Trickster

CourseID: 126119

Faculty: Deborah Foster

Next Term Offered: 2017 Spring

Human imagination has conjured two enduring mythic characters that create habitable worlds for people in stories from cultures all over the world. Sometimes branded Hero, sometimes Trickster, these two share traits and antics, yet they seem to endorse fundamentally different values. This seminar examines both hero and trickster in several cultural contexts, comparing them with each other and with their correlates worldwide, primarily in oral traditions, but also where each has migrated to other media.

## Romance Languages and Literatures

### FRENCH 59 French and the Community

CourseID: 125877

Faculty:

Next Term Offered:

An advanced French language course, where students will explore Haitian culture in the classroom and in the community. In class students will work on interactive oral and written activities using a variety of texts and media. In the community, through teaching French to Haitian-American children in community organizations within the Greater Boston area, students will develop their oral communication skills and acquire first-hand insights into Haitian culture. Introduces students to some methods for teaching a foreign language.

### FRENCH 61H Being French: Historical and Societal Considerations

CourseID: 126999

Faculty:

Next Term Offered:

This course examines the concept of a "French identity" from the principles of the Enlightenment to the contemporary debates and political controversies about national identity. Through the exploration of historical, literary, sociological and philosophical texts, as well as film and multimedia resources, we will focus on individuals, symbolic places, ideological discourses and narratives that have contributed to the formation and questioning of a French national identity.

### FRENCH 90W "Bad" Women in French Literature

CourseID: 109831

Faculty:

Next Term Offered: 2016 Fall

This course studies how societal and historical norms can be approached and investigated from perspectives of so-called "bad" femininity. Literary texts may include Jean d'Arras Mélusine, Corneille's Médée, Molière's Les Femmes Savantes, Flaubert's Madame Bovary, Proust's Du côté de chez Swann and Ken Bugul's Le Baobab fou. We will also approach these texts through the lenses of contemporary critical feminist and queer theory using relevant texts by thinkers such as Michel Foucault, Judith Butler, Luce Irigaray and Sara Ahmed.

**FRENCH 105 Marie de France and Chrétien de Troyes or the Beginning of Modern Fiction**

CourseID: 156568

Faculty:

Next Term Offered:

We will read the complete works of the most famous French authors of the twelfth century: Marie de France's Lais, Fables, and Purgatory of St. Patrick; Chrétien de Troyes's five Arthurian romances, two love songs, and adaptation of Ovid's story of Philomela. We will also read other contemporary narrative works, helping us to reflect on the role of fiction in medieval culture and in our own culture.

**FRENCH 130 Re-Imagining the Early Modern Subject**

CourseID: 109828

Faculty:

Next Term Offered:

Analysis of connections between sensibility and the rational in literary, artistic, philosophical and political discourses of the French 17th and 18th Century. Discussion of works by La Bruyere, Descartes, Mme de Lafayette, Poussin, Racine, Chardin, Diderot, Prévost, Rousseau, among others, in the transition from absolutism to the Revolution .

**FRENCH 136 Feminist Literary Criticisms**

CourseID: 113452

Faculty:

Next Term Offered: 2016 Fall

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.

**FRENCH 157 The Hermaphroditic Imagination**

CourseID: 126071

Faculty:

Next Term Offered:

While official scientific and social positions in the nineteenth century uphold rigid distinctions between women and men, the imaginary life of the period is haunted by the hermaphrodite and other figures that play on the margins of sexual division, challenging the separation of the spheres. We'll read and discuss hermaphroditic fictions chosen from Balzac, George Sand, Gautier, Flaubert, Zola, and Rachilde.

### FRENCH 174 Mediterranean Crossings: Exiles, Migrants and Refugees

CourseID: 156589

Faculty:

Next Term Offered:

The Mediterranean has long been the locus of a turbulent history and of vast population movements. This course will focus specifically on the period since the middle of the twentieth century, that is, since decolonization in North Africa and the Middle East. Civil wars, political strife and economic hardship push many into voluntary, forced or even metaphoric exile, lead to massive migrations and produce refugees in record numbers. This course will study some of these movements with a triple focus on exiles, migrants and refugees, as seen through literary works and film. We will ask what artistic practices contribute and how they mediate these contexts.

### FRENCH 177 Poetic Revolutions

CourseID: 108742

Faculty:

Next Term Offered:

Focuses on major poets of the 19th-21st centuries (Hugo, Nerval, Baudelaire, Rimbaud, Mallarmé, Apollinaire, Char, Michaux, Glissant, Cixous, Deguy and others) whose revolutionary aesthetics bear on ethics and politics.

### FRENCH 180 "The Words to Say It": Women Writing in French from Colette to Satrapi

CourseID: 156556

Faculty:

Next Term Offered: 2016 Fall

Motherhood, romantic love, independence, sexuality, citizenship, fantasy, death: these are just some of the themes explored in women's novels, written in French,

in the twentieth century. We will read eight novels together, exploring how they have finally become classics, even given what they say about life and what it means for women to write about it.

### FRENCH 216 The Romance of the Rose

CourseID: 109833

Faculty:

Next Term Offered: 2016 Fall

Merging courtly love with Aristotelian quest for knowledge, the *Roman de la Rose* is one of the most influential medieval texts. We will read the Rose in company of related classical and medieval texts, such as Boethius' *Consolation of Philosophy*, troubadours poetry or the exchange of letters between Christine de Pizan and literati of her time about the Rose. We will also take into consideration manuscript illustration. .

### FRENCH 226 Tragic Bodies: French Classicism Revisited

CourseID: 109974

Faculty:

Next Term Offered: 2016 Fall

French neoclassical tragedies are typically known for their de-emphasis of the body's presence. This seminar seeks to address this neglected topic by considering the incarnation on stage of heroism, the (re)presentation of loss and violence, and the emerging ideal of tenderness and gallantry in the drama of Corneille and Racine, as well as of few other playwrights. Special emphasis paid to the political, philosophical and aesthetic contexts. Intersection of drama, dance, and painting will be explored. Theoretical readings include Agamben, Barthes, Certeau, Didi-Huberman, Foucault, Marin, Rancière.

### FRENCH 240 Rabelais

CourseID: 156635

Faculty: Tom Conley

Next Term Offered: 2017 Spring

Studies five books of Pantagruel and Gargantua with emphasis on creative energy in the facétie and comic genres. Accounts for new critical currents and projects in theater, music and cinema.

## FRENCH 255 Metamorphoses of the Vampire

CourseID: 109829

Faculty:

Next Term Offered:

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.

## FRENCH 259 The Culture of Hysteria: From Nineteenth-Century France to Here and Now

CourseID: 108717

Faculty:

Next Term Offered:

As we read nineteenth-century medical, literary, and cultural texts with contemporary analogues, we ask why hysteria flourished in that time and place, and now this one, and trace the diagnosis as symptom of a broader cultural malaise.

## FRENCH 262 Race, Gender, Sexuality in the Francophone World

CourseID: 161240

Faculty:

Next Term Offered:

## FRENCH 271 Legacies of Poststructuralism: Ecology French Style

CourseID: 126899

Faculty:

Next Term Offered: 2016 Fall

Focuses on how the environment is inscribed in works drawing on concepts from poststructuralist theories. Texts by Guattari, Latour, Nancy, Balibar, Ranciere, Stengers, Haraway, Heise, and others. Students are encouraged to pair their readings with fictional texts and other media.

## FRENCH 280 Lightness and Energy: the 21st Century French Fiction

CourseID: 156634

Faculty:

Next Term Offered:

What can French novel be/do/hope for today? We will consider the possible answers to this question, by reinterpreting notions as "lightness" and "energy" and discussing the idea of contemporary times. Readings include a series of very recent fictional and autobiographical novels, as well as theoretical texts (Barthes, Deleuze, Calvino, Hartog, Agamben, Svetlana Boym, Hartmut Rosa...).

### ITAL 72 Italy Through Music

CourseID: 203306

Faculty:

Next Term Offered:

### ITAL 103 Italian Travels

CourseID: 126087

Faculty:

Next Term Offered: 2016 Fall

An exploration of the identities of Italy through travel, including that of Italians living abroad and non-Italians in contemporary Italy. Students will investigate these issues from a wide variety of sources, including literary and historical voyages, sociological texts, news reports and feature films. Frequent oral and written assignments.

### ITAL 104 Effetto Commedia: What Makes Italians Laugh?

CourseID: 108704

Faculty:

Next Term Offered: 2016 Fall

Comedy Italian-style in cinema and its origins, from Totò to Benigni. Presents students with another dimension of Italian culture, while increasing communicative effectiveness. Presentational skills addressed through weekly written assignments and oral reports; grammar review in context. Weekly feature-length film.

### ITAL 115 Italian Cinema and the Poetics of Refuse

CourseID: 159935

Faculty:

Next Term Offered:

A journey through some of Italy's most canonical films from Neorealism to the present, focusing specifically on filmmakers' depiction of garbage, garbage collectors and the residual. While for Neorealist directors, this depiction is synecdochic of an artistic vision that endeavors to capture reality at its most unprepared, subsequently, it comes to represent the increasing complexity of the mimetic undertaking in an Italian society thrust rapidly into the late stages of capitalism. Filmmakers studied include De Sica, Antonioni, Fellini, Garrone, Rohrwacher and others.

### ITAL 132 Deconstructing Rome

CourseID: 156671

Faculty:

Next Term Offered:

The course uses Paolo Sorrentino's latest Roman films "Il divo" (2008) and "La grande bellezza" (2013) to frame a selective deconstruction of the Eternal City. Units of work include Genius of Rome (broadly based on a long view of the city's primary logistics: place and time), Grand Narratives (focussing on an evolving Roman mythology driven by polarised qualifiers and tags), Individual Trajectories (looking at the impact made by Rome on travellers from different periods) and The Hope of Rome: Resurrection vs Resurgence (Tackling the city's role in and since the Risorgimento and particularly under fascism). An additional feature of this main menu will be ample selections from films and works of fiction inspired by Rome, involving films by Rossellini, Fellini, Germi, Antonioni, De Sica, and Pasolini and novels by Moravia, Pasolini, Gadda, and Morante. In a fitting methodological twist, the continuing centrality of Rome in the age of globalisation will emerge from the application of key theoretical readings by contemporary thinkers and planners.

### ITAL 133 New Course: Italy: The Seven Deadly Sins

CourseID: 156673

Faculty:

Next Term Offered:

The course complements other RLL Catalog offerings on the collective construction of national identities. Classes will be structured around polarised provocations based on samples of good and bad international PR since the early modern period, including politics, wars, the European Union, public figures, migration, stereotypes and a variety of globally recognised Italian icons such as mafia, Pinocchio, fascism and the Vespa. Classics of the ageless debate on Italy (e.g., Leopardi and Madame de Staél), her beauty and femininity (Gundle 2007), her virtue as sin or her sin as virtue (drawing primarily but not exclusively from Machiavelli), will feed into a present-day people profile organised in seven

units/deadly accidents of Italianness: Beauty, Distinction, Genius, Heart, Mobility, Stamina and Voice.

### ITAL 142 The Italian Renaissance: Beauty, Power, Innovation

CourseID: 160609

Faculty:

Next Term Offered:

Studies the century that changed the world and the invention of modern politics and art, science, pornography, fashion, good manners.

### ITAL 143 Early Modern Italian Literature

CourseID: 203307

Faculty:

Next Term Offered:

### ITAL 172 Made In Italy: Italian Fashion Through the Ages

CourseID: 160682

Faculty:

Next Term Offered:

For over half a century, fashion has defined the image of Italy and Italians abroad. Both a business and an art, key to self-expression and subject to the regulation of church and state, profoundly personal and constitutive to national and international politics, fashion has drawn conspicuous resources, generated artifacts and attracted considerable intellectual attention. The course will reflect on how fashion was represented in Italian literature, the visual and performing arts and in legal and scholarly discourse from the Renaissance to the present. Topics will include the birth of "made in Italy" after World War II; fashion under fascism; the phenomenon of castrati and cicisbei; Renaissance self-fashioning and the relationship between fashion and modernity.

### ITAL 180 Making Italians: Poetry and Novel in the 19th Century

CourseID: 109994

Faculty:

Next Term Offered: 2016 Fall

The course discusses the two masterpieces of modern Italian literature, Giacomo Leopardi's *Canti* (Poems) and Alessandro Manzoni's *I promessi sposi* (The

Betrothed), against the background of Risorgimento, the unification of Italy, and the affirmation of modernity.

### ITAL 240 Gadda Goes to War: Provocations around the State-Stage

CourseID: 156672

Faculty:

Next Term Offered:

This course explores Fabrizio Gifuni's recent stage adaptation of the WWI diaries and anti-Mussolini writings by Italy's greatest modernist writer, Carlo Emilio Gadda (1893-1973). The play, which took Italy by storm at the time of the 2011 political elections, will allow us to focus on the subject at war with the state from the perspective of the global negatives resulting from the management of the country as spectacle. As part of a close reading of this powerful intersemiotic critique of Italy as today's Denmark, for today's Hamlets, we will look into what, in the context of present day media regimes, continues to give stage performance the edge over other forms of creative critical citizenship. Extensive selected passages from Gadda's major works will inform plenary seminars and student presentations encouraging intersections with other Catalogue courses via theory (from Agamben to Zizek), context (Italy in the 20thc, during the WWS, under fascism and today) and content (individual resistance to imagined, coming and present communities).

### ITAL 242 Locating Utopos

CourseID: 156941

Faculty:

Next Term Offered:

The course problematises utopian thought across a variety of platforms, focusing on text, architecture and film, and using the totalitarian regimes of 20thc Europe for additional case study verification. Units of work will range from Foundational Texts (e.g., Plato's "Republic", Thomas More's "Utopia" and Campanella's "Città del sole") to Current Theory (e.g., the various applications of Utopian Studies in combination with Gender Studies), encouraging students to locate Utopos (the hero without name, story or place) within key anthropological needs (primarily, safety in numbers and hope in a just future). Classes will be conducted in English, and will consist of a mix of seminar presentations, plenary discussion and editorial work, this as part of the publication project supplementing the coursework.

### PORUG 61 Performing Arts in The Portuguese-Speaking World

CourseID: 127864

Faculty:

Next Term Offered: 2016 Fall

Through plays, visual media, poetry, songs, and other cultural creations, this course discusses historic and cultural connections between Portuguese-speaking countries (Angola, Brazil, Cape Verde, East Timor, Guinea-Bissau, Mozambique, Portugal, and São Tomé and Príncipe). The course uses the performing arts as a point of departure for cultural and linguistic development, having class discussions and student presentations as a basis for journal entries, essay writing, and performance. Grammar review and stylistic analysis are integrated with activities and projects throughout the course.

### PORTRUG 90CU Circus and Utopia in Brazilian Culture

CourseID: 109977

Faculty:

Next Term Offered:

Analyzes the circus as an image of Brazil and explores how this image allows for an interpretation of Brazilian history and culture from the perspective of utopian discourses found, for example, in literature, popular music, dance, and cinema. Authors, songwriters, film directors, and critics include Jorge de Lima, Murilo Rubião, Adriana Lisboa, José Miguel Wisnik, Edu Lobo, Chico Buarque, Elis Regina, Arnaldo Jabor, and Cacá Diegues.

### PORTRUG 90ML Brazilian Popular Music and Literature

CourseID: 156543

Faculty:

Next Term Offered: 2016 Fall

Explores the relationship between Brazilian popular music traditions and literature.

### PORTRUG 97 Tutorial - Sophomore Year: Brazilian Poetry and Literary Criticism in the Digital Era

CourseID: 116736

Faculty:

Next Term Offered:

From printed books to digital text, how does technology change the making of poetry and its criticism? From the study of canonical works and their analyses by literary critics to the examination of contemporary poetry and some of its most

prominent scholars, the course explores how (or whether) Brazilian poetry and literary criticism are changing in the digital era. Students will be constantly invited to respond to Brazilian poetry and literary criticism through essays, close readings, and translations, among other scholarly projects.

## PORUG 105 New Perspectives on Brazilian Poetry

CourseID: 159932

Faculty:

Next Term Offered:

This course explores the works of major poets and songwriters associated with the following key literary movements: Romanticism, Realism, Symbolism, Pre-Modernism, Modernism, Concretism, Neo-Concretism, and Postmodernism. Students will be expected to engage actively with poetry through written work and oral presentations, among other scholarly projects. Poetic texts featured include Castro Alves, Carlos Drummond de Andrade, Mário de Andrade, Augusto and Haroldo de Campos, Mário Faustino, Chico Buarque de Hollanda, Jorge de Lima, Salgado Maranhão, Cecília Meireles, Vinícius de Morães, Milton Nascimento, Torquato Neto, Adélia Prado, Sousândrade, and Caetano Veloso. Some of the critical readings discussed are Roland Barthes, Homi Bhabha, Antônio Cândido, Jonathan Culler, Gilberto Freyre, Sérgio Buarque de Hollanda, Walter Mignolo, Mário Pedrosa, and Roberto Schwarz.

## PORUG 123A Portuguese Literary Studies I

CourseID: 156538

Faculty:

Next Term Offered: 2016 Fall

An overview of the literature of Portugal centering on its major figures and aesthetic movements, with attention given to selected moments in cultural history through the eighteenth century. Readings and discussions will include analyses of specific texts and considerations of topics such as gender, sexuality, race, and globalization in the Portuguese context.

## PORUG 123B Portuguese Literary Studies II

CourseID: 156541

Faculty:

Next Term Offered:

A continuation of Portuguese 123a, with an emphasis on the nineteenth century

and modernity.

### PORTRUG 145 Transatlantic Africa and Brazil

CourseID: 128254

Faculty:

Next Term Offered:

A study of the transatlantic enterprise between Portugal, Brazil, and Africa. We will scrutinize the historical and imaginative encounters with Africa and Brazil from the Middle Ages to Brazilian Romanticism. Topics include oceanic empire, monsters, shipwreck, cannibalism, the Atlantic slave trade, and debates on the African and Brazilian/New World indigene. Authors include Aristotle, Pliny, Zurara, Álvaro Velho, Caminha, Las Casas, Camões, and Castro Alves, as well as contemporary critics.

### PORTRUG 182 The Worlds of Camões

CourseID: 110085

Faculty:

Next Term Offered:

A study of the Renaissance Portuguese imagination through the work of Luís de Camões. The course will center on the epic and lyric poetry of Camões as a way to think broadly about the literary and intellectual currents of the 16th century. Empire, the structure of the cosmos, and mythography will figure into our analyses. To promote an understanding of the international culture of letters and humanism, authors from Spain, Italy, and France will also be included. Prerequisite: Reading knowledge of Portuguese.

### PORTRUG 246 Modernism and Voodoo: African Diaspora Cosmogonies and the Brazilian Avant-gardes

CourseID: 159958

Faculty:

Next Term Offered:

The purpose of this course is to analyze the role and influence that African-derived religions had on the construction of the 20th century avant-gardes in Brazil. African Art and Religions influenced many defining figures of Brazilian culture from literature to visual arts and music, becoming a remarkable phenomenon that touches many fields of knowledge such as art history, anthropology, political science, cinema, philosophy, urbanism, literary criticism, ethnomusicology,

folklore and religion. During this course, it will be proposed to use the dialectical image of Brazilian modernist movements and African-derived religions as an episode with a focus on Brazil as a model to approach the cultural tensions under aesthetic and political agendas, revolutionary and conservative social thoughts, cosmopolitan and national claims of modernity, and utopian propositions to the transformation of art and society.

### PORTRUG 264 Colonial Brazil

CourseID: 156730

Faculty:

Next Term Offered: 2016 Fall

We will study the literary culture of colonial Brazil, with consideration of Brazil's place in transatlantic enterprise.

### ROM-STD 79 Romance Languages and Cultures in Comparative Perspective

CourseID: 120108

Faculty:

Next Term Offered: 2016 Fall

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.

### ROM-STD 101 The Origins of the Romance Languages

CourseID: 112021

Faculty:

Next Term Offered:

The Origins of the Romance Languages historical grammar and history of the language. Latin and Romance within the Indo-European family. The origins and the earliest documents of the Romance languages. Italian: the standard and the dialects; their earliest documents.

### ROM-STD 111 The World of Romance Language Cinemas: A Classical Age

CourseID: 108776

Faculty: Tom Conley

Next Term Offered: 2016 Fall

Studies early and classical cinemas in France, Italy, and Spain through comparative and close analysis. Includes films by Renoir, Vigo, Melville; Rossellini, de Sica, Visconti; Buñuel, García Berlanga, Erice.

### ROM-STD 205 Civic Humanities

CourseID: 128246

Faculty:

Next Term Offered: 2016 Fall

An introduction to a developing field, Civic Humanities explores the arts and humanistic interpretation through a centuries-long tradition of civic engagement. Here the humanities are a site for promoting innovation and skills for active citizenship. Democracy and aesthetic judgment developed together to project citizens as co-artists of social constructions. Readings in this tradition of enlightened aesthetics include Kant, Schiller, Dewey, Freire, Gramsci, Ranciere, Mockus, Boal, Kester, Elster, Florida, Nussbaum, and Pasolini. Guest lectures by doctors, lawyers, political leaders, business experts, and public artists will develop specific areas of innovation and represent potential mentors for students as they design original projects.

### ROM-STD 219 Digital Humanities 2.0: a metaLAB(at)Harvard seminar

CourseID: 128286

Faculty:

Next Term Offered: 2016 Fall

A seminar and workshop for the development of semester-long projects, the course provides an introduction to new scholarly models in the arts and humanities via readings, case studies and conversations with expert practitioners.

### ROM-STD 220 Fragments of a Material History of Literature

CourseID: 108779

Faculty:

Next Term Offered: 2016 Fall

Literary studies examined from the perspective of the practices that have shaped ideas concerning literature, writing, speech, and communication: from scrolls and

codices to the rise of printing and typewriting to digital writing.

### ROM-STD 242 Graduate Seminar: Transatlantic Poetics

CourseID: 156631

Faculty:

Next Term Offered:

The seminar studies transatlantic enterprises of Spain and Portugal through their prolific cultures of textuality. Epic, chronicles, lyric and other 15th to 17th-century genres will be scrutinized for influences of Atlantic itineraries, real and imagined, on projects of poetic "making". Authors include Garcilaso, Caminha, Ercilla, Camões, Góngora, Cervantes, Lope, Alarcón, Quevedo, Zurara, and others.

### SPANSH 16 Reading Spanish

CourseID: 115502

Faculty:

Next Term Offered:

An introduction to reading and translating modern Spanish texts for students who require only a basic knowledge of Spanish for research purposes. Spanish Ax presents the principal structures of Spanish 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.

### SPANSH 59H Spanish for Latino Students II: Connecting with Communities

CourseID: 159866

Faculty:

Next Term Offered:

An advanced language course for Spanish heritage learners that aims to: strengthen students' oral and written linguistic range, with emphasis on Spanish use for academic contexts; and to further develop students' critical language and social awareness around important issues for Latinos in our globalized era: Spanish as global language, identity, language rights, global migration and labor, U.S.-Latino America relations, food and environment, the 'war on drugs'. Students explore these topics through various genres (newspapers and academic articles, debates, literary essays, short novels, poetry, visual art, film and music) and through 4 hours a week of community service.

**SPANSH 70A Heroes, Rogues, Lovers, Rebels, Saints: Voices from Medieval and Early Modern Spain**  
CourseID: 110853  
Faculty:  
Next Term Offered: 2016 Fall

Who are the Cid, Lazarillo, Rosaura and Segismundo? As we explore the texts and historical contexts that produced iconic figures like the matamoros, the sentimental Moor, the picaro, the soldier-poet, the mystic, the rebellious vassal and the cross-dressed woman, we bring their voices to life through dramatic reading and performance.

**SPANSH 70C Tales of Two Spains: A Survey of Spanish Modern Literature and Culture (18th to 21st centuries)**  
CourseID: 160622  
Faculty:  
Next Term Offered:

This course presents a diverse set of literary and cultural materials that will help understand Spain's frequently contested Modernity. The guiding topic of discussion will be the conflicting definitions of Spanish national identity from the 18th to the 21st centuries. Materials include short stories, philosophical and political essays, travelers' letters, memoirs, journals, travelogues, films and poems.

**SPANSH 71CB Modern Survey: Civilization and Barbarism in Latin American Literature**  
CourseID: 156728  
Faculty:  
Next Term Offered:

In Latin American literature, the opposition between civilization and barbarism has defined America since its "discovery" by Columbus. With a focus on the intersections of time, space, language and violence in seminal texts, we look at ways their authors position the Americas and their peoples in universal history. We will also consider the role of the public intellectual and writer as political figure and founder of new national movements. Authors include Columbus, Las Casas, Teresa de Mier, Sarmiento, Martí, Darío, Gallegos, César Vallejo, Borges, Arguedas, Vargas Llosa, Fernando Vallejo and Bolaño.

## **SPANSH 90NP Invaders as Ancestors, Gods and Vampires**

CourseID: 156646

Faculty:

Next Term Offered: 2016 Fall

In Latin American literature, familiar and unfamiliar beings, under the guise of gods, ancestors or vampire-like creatures, dominate representations of conquest and invasion. Drawing on texts by Indian and Spanish authors alike, we examine the reception of these mythic beings and their place in historical narratives of the conquest of Mexico, the American Southwest, and the Andes. As part of our exploration of the genres of indigenous historiography, students may present a graphic essay or performance with an accompanying "Scholar-Artist Statement" as their final project.

## **SPANSH 109 Displacing Spain: Workshop on 20th and 21st-Century Transatlantic Poetry**

CourseID: 127556

Faculty:

Next Term Offered: 2016 Fall

We will read, listen to, and play with poems dealing with transatlantic perspectives on and from modern Spain. Close attention paid to the relation between poetry and identity, motherland, exile, and nomadism in Spanish and Latin American poets such as Bolaño, Cernuda, Darío, García Lorca, Neruda, Peri Rossi, and Vallejo, among others. Includes formal and thematic analysis of poems and hands-on work with texts in Spanish through translation.

## **SPANSH 112 You Will Win, But You Won't Convince: Discussing the Spanish Civil War**

CourseID: 109772

Faculty:

Next Term Offered:

Examines the Spanish Civil War (1936-39) as a key event for understanding the "causes" that have shaped 20th- and 21st-century Spanish culture and society within the context of recent Western history. Focus on the relation between memory, history, and representation in cultural works ranging from the years prior to the conflict up to the present (narrative, poetry, testimonies, memoirs, film, visual arts, etc.).

**SPANSH 118 Transversal Poetics: Workshop on Translation and "Transcreation" of Latin American Poetry**

CourseID: 109767

Faculty:

Next Term Offered:

An inquiry into the notion of transversal poetics: the theory and practice of poetry as a form of expression that brings together distinct ways of making sense with language. Structured as a workshop, course includes in-class exercises in translation and transcreation. Course conceived in conjunction with a symposium of Latin American poetry to take place in November 2013, featuring poets read in class.

**SPANSH 120 Medieval Spain in the Poem of the Cid**

CourseID: 156600

Faculty:

Next Term Offered: 2016 Fall

Major themes and critical approaches in the study of the Castilian epic poem *Cantar de mio Cid* and the Cidian tradition (especially in the *Romancero*).

**SPANSH 122 Figures and Fictions of Venture Capital and the Law in the Spanish Conquest**

CourseID: 156729

Faculty:

Next Term Offered:

What is a conquest? How does enterprise (empresa) relate to chivalry, conquest and business? We explore the Spanish tropes of profitable violence in the West Indies and contextualize the development of the "laws of peoples" (*jus gentium*) by Spanish jurists within the corpus of commercial law employed by the empresarios of the 15th and 16th centuries. Topics include carried interest, the state of exception, sovereignty, friendship and enmity, profitable violence, orthodoxy and heterodoxy. In addition to examining laws, contracts, and chronicles of conquest, we read selections of an Inquisition trial and a bid made by indigenous elites of the Andes to purchase limited sovereignty from Philip II.

**SPANSH 125 The New Art of Telling Stories in Spanish: Cervantes's Novelas Ejemplares and Other Short Fiction**

CourseID: 109765

Faculty:

Next Term Offered: 2016 Fall

Before the novel was the novella. Early modern short stories hold up revealing mirrors to society, history and literature, offering \$ as Horace recommends \$ instruction and entertainment for an expanding readership in a changing world. Works studied include picaresque, Moorish tales, miscellanies, joke-books, Cervantes's *Novelas ejemplares* (1613) and Maria Zaya's tragic love stories.

Taught in Spanish

### SPANSH 152 Magical Realism and Its Discontent: Latin American Novels That

Didn't Boom

CourseID: 108751

Faculty:

Next Term Offered:

Carpentier and García Márquez found a narrative form to express Latin America's aesthetic particularity through magic and marvel. Since the publication of *Cien años de soledad*, its remarkable impact generated different experimental responses attempting to work through Latin American social reality in very different ways. We read novels and short stories by Carpentier, García Márquez, Rulfo, Cortázar, Borges, Donoso, Saer, Cabrera Infante, Glantz, Bolaño, Fuguet, Bellatín and Aira. Also comics and films.

### SPANSH 179 Regarding the Pain of Spain

CourseID: 108749

Faculty:

Next Term Offered: 2016 Fall

We will explore modern representations of violence in Spanish history through close analyses of short stories, novels, memoirs, paintings, and films by Spanish and some Latin American authors. Issues discussed may include *la España negra*, black humor, bullfighting, colonial power, concentration camps, gothic horror, sexual abuse, state repression, terrorism.

### SPANSH 194 The Borges Machine

CourseID: 108752

Faculty:

Next Term Offered:

We study Jorge Luis Borges's poetry, short stories, and essays; from *Fervor de Buenos Aires* to *El Aleph*; from his scripts and the films based on them to the cultural constellations that rose around him, as well as those his work created. We will think of Borges as a writer, but also as literary machine, an artifice that produces meaning in the works of other writers and in cultural formations beyond Argentina and Latin America.

### SPANSH 245 Artes en Movimiento

CourseID: 160620

Faculty:

Next Term Offered:

Vanguards in Latin America, and elsewhere, are obviously artistic movements; they are also political and pedagogical movements since they strive to change society. "Artes en movimiento" will explore Vanguards as constellations of actors and activities that change paradigms by teaching new perceptions and practices.

### SPANSH 254 Imagining Caribbean Communities: Border, Nations, and Diaspora in Contemporary Hispanic Caribbean Li

CourseID: 156598

Faculty:

Next Term Offered: 2016 Fall

This course explores the imagining of Caribbean communities through literary and cultural representations. Setting off from the concept of Pan-Caribbean solidarity that José Martí imagined at the end of the nineteenth century, we will look at the ways in which notions of Caribbean communities have been imagined, and deployed through literary and cultural representation. Focusing on questions of race, class, nation, and migration(s) our course will create a dialogue among late nineteenth and early twentieth century canonical Caribbean thinkers such as Juan Bosch, and Eugenio María de Hostos and lesser-known contemporary writers like Rita Indiana Hernández and Rey Andújar. Our course will be organized thematically, proposing a trans-national and trans-historical view of Caribbean intellectual and literary history. The theoretical framework will engage current race, nation, migration, and transnational feminist theories with a focus on Caribbean criticism.

### SPANSH 261 The Return of World Literature: Placing Latin America, Debating Universalism

CourseID: 156601

Faculty:

Next Term Offered:

With Moretti and Casanova, world literature has made a comeback. Is there room for 'the Latin American universal'? We read Goethe, Hegel, Marx, Sanín Cano, Reyes, Borges, Wilcock, Copi, Bolaño, Latin American films and music.

### SPANSH 281R Graduate Seminar: New Worlds of Early Modern Poetry in Spanish

CourseID: 122403

Faculty:

Next Term Offered:

Imitation of Latin and Italian models, rediscovery of Spain's medieval traditions and global exploration reshape 16th- and 17th-century lyric and epic, redefining poetic language itself.

### SPANSH 281R Graduate Seminar: Don Quixote's Library

CourseID: 161245

Faculty:

Next Term Offered:

A study of works destroyed, banished or celebrated in the book-burning episode, alongside others alluded to in the novel. Using the Knight's readings as mirror of his madness, as key to his author's parodic and satiric agendas, and as window onto early modern literary and cultural horizons, the course considers chivalric, pastoral, Moorish romance; ballads, courtly verse; Old and New World epic; wonder books, poetics and histories in relation to Don Quijote.

## Freshman Seminars

### FRSEMR 21Y The Art and Politics of Science

CourseID: 156185

Faculty:

Next Term Offered:

Objectivity is important in science, yet it is clear that there are elements of creativity and politics that shape the practice and communication of science. This course explores how individual creativity and political behavior influence scientific pursuits and science communication. This is done through diverse activities, including interviews with scientists, viewing and discussing films that broach scientific topics, e.g. "DNA Story" and "GATTACA", reading and discussing K. C. Cole's "Frank Oppenheimer and his astonishing Exploratorium", a visit to the Museum of Science and the preparation of a "hands on" experiment.

### FRSEMR 22L Justice in Health: Ethics of Public Health in the Contemporary World

CourseID: 156208

Faculty:

Next Term Offered:

This seminar addresses central issues in the philosophy of healthcare, investigating how some fundamental questions in this field have been answered and exploring alternatives. Questions addressed include: What is health? What is healthcare? Does health have special moral significance? Is there a human right to health? Why do persons and communities differ in their health outcomes and when are these differences considered unjust? Are we responsible for our own health outcomes? The course focuses on questions of class, race, gender and aging in its discussion of justice in health and examines ethical questions in global health.

Open to Freshmen only.

### FRSEMR 22W Environmental Epigenetics

CourseID: 127547

Faculty:

Next Term Offered:

Why do plants flower in spring, but not in fall? Why don't identical twins get the same diseases? How do early life chemical exposures affect disease susceptibility or severity in adults? The course will explore the concepts, phenomena, and

mechanisms of epigenetics. We will consider the implications of epigenetics for disease prevention. Finally, we will consider the evolutionary implications of the possibility that experiences of the parent can be molecularly transmitted to offspring.

### FRSEMR 22Z Quantitative Methods in Public Policy Decisions

CourseID: 156336

Faculty:

Next Term Offered:

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.

### FRSEMR 23J Corn

CourseID: 109816

Faculty:

Next Term Offered:

Corn is a substantial and largely unavoidable part of our food. This seminar will explore corn in all its glory: biology, chemistry, use by humans, amount in your body, domestication and historical use. We will explore whether Americans really eat as much corn from hidden sources as has been widely suggested; grow corn and examine the plant tissue microscopically and, of course, eat corn. There will be three mandatory extended class meetings (12N-6pm) in April at the Arnold Arboretum. Transportation will be provided. Open to Freshmen only.

### FRSEMR 23S The Seven Sins of Memory

CourseID: 117972

Faculty:

Next Term Offered:

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? Open to Freshmen only.

### **FRSEMR 25E Autism**

CourseID: 108512

Faculty:

Next Term Offered:

Autism is an increasingly common disorder, frequently found in the popular press and Hollywood movies. It affects roughly 1:100 individuals, approximately 500 times the rate of just a few decades ago. Sadly, despite the considerable financial resources devoted to the study of autism we still do not know what causes the disorder, why its severity varies so enormously from person to person and how best to treat it. This seminar will be broad in scope, focusing on the following key themes: genetic, neurological and possibly environmental causes of autism, risk factors for developing the disorder, best way to characterize the disorder, best treatment options. Open to Freshmen only. Note: The instructor will arrange field trips to various clinics that provide services for individuals with autism.

### **FRSEMR 26U What is Mental Illness?**

CourseID: 123781

Faculty:

Next Term Offered:

Introduces students to the nature of mental illness based on recorded interviews of people suffering from a variety of psychiatric conditions. Investigates what illness and treatment are like from patient's perspective. Interviews supplemented by readings which include 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.

### **FRSEMR 30S American Musical Theater from Show Boat to West Side Story:**

**Ethnicity, Politics, Musical Style**

CourseID: 121173

Faculty:

Next Term Offered:

### **FRSEMR 30T The Novel in the Twenty-First Century**

CourseID: 109325

Faculty:

Next Term Offered:

This course seeks to understand the unique historical moment of our early century through close attention to some of its most significant literary artifacts. We will examine how the novel, as a literary form, has incorporated, challenged, and built upon new communication networks, transnational social affiliations, the rise of genetic engineering, and the looming collapse of our biosphere. How does the novel, once the repository of cultural memory, relate to history—and the danger of forgetting—in a world increasingly geared toward instantaneity? And, most importantly, how does the twenty-first century novel imagine alternatives to our most serious social perils? Open to Freshmen only.

### FRSEMR 30Z George Orwell: Journalist, Essayist, and Conscience of an Age

CourseID: 109470

Faculty:

Next Term Offered:

George Orwell is one of the great political writers of the twentieth century. The word "Orwellian" summarizes his dystopic vision of state control and concepts such as "Big Brother" and the "thought -police" have entered popular consciousness. But Orwell was also a social reformer in the tradition of the Progressives. Alongside the content of his work, Orwell professed a lifelong interest in the process of writing. His essays on the corruption of language, the politicization of literature, and the less admirable side of the art of persuasion hold enduring interest for anyone who lives by and loves the English language.

### FRSEMR 31F The Contemporary Novel and the Visual Arts

CourseID: 159729

Faculty:

Next Term Offered:

This course examines a cluster of novels, all published in the twenty-first century, that tell stories about other arts—painting, sculpture, photography, film and video, performance, land art, body art, and more—while raising complex questions about aesthetic experience. What does art do for us? Why does art matter? How do we distinguish art from trash? In what ways does art relate to history and politics? Can art think? We will address such questions through discussions of text and other artistic media. There will be trips to the Houghton Library and the Harvard Art Museum.

## **FRSEMR 31H Happiness**

CourseID: 159737

Faculty:

Next Term Offered:

What is happiness? To what extent is our own happiness under our control, and what are the causes and consequences of happiness? Is happiness important for living a good and successful life? How does the pursuit of personal happiness interact with our obligations to others? In this seminar we will work toward answering these and other questions by analyzing recent work from both philosophy and psychology. Our goal is to construct a unified picture of happiness that incorporates what is best from both disciplines but appropriately takes into account various challenges that each has posed for the other.

## **FRSEMR 31L Gregorian Chant**

CourseID: 159738

Faculty:

Next Term Offered:

Introduction to medieval chant. Medieval Latin church music, usually called Gregorian Chant, is the oldest surviving repertory of music in western culture, and is still sung today. We will consider the function of chant in medieval society, and the role of chant in ritual and liturgy. Members of the seminar will be expected to sing, but no previous experience or knowledge of notation is required. We will examine manuscript in the Houghton Library. We will study the musical aspects of a few pieces in great detail, and will come to know the great variety and artistry of this timeless repertory.

## **FRSEMR 31U The Varieties of Conservatism**

CourseID: 156164

Faculty:

Next Term Offered:

This course attempts to understand conservatism, less as a set of dogmatic political positions, and more as an attitude that allows us to rethink our fixation on the present, one that helps us to find company with the authors and traditions of the past. Our readings, drawn from thinkers such as Edmund Burke and Alexis de Tocqueville, will emphasize the remarkable intellectual fluidity of certain works that are often claimed as classics of conservatism. These authors make powerful emotional appeals to respect and preserve certain traditional ways of life in the face of relentless social change. Open to Freshmen only.

## **FRSEMR 32H European and American Pop Art 1955-1975**

CourseID: 159808

Faculty:

Next Term Offered:

The seminar will introduce undergraduate students to some of the key moments in the history of international Pop Art, from 1955-1975, from Richard Hamilton in Great Britain and the New Realists in Paris to Jasper Johns, Robert Rauschenberg and Andy Warhol in New York and Ed Ruscha in Los Angeles. While the historical accounts of how a mass cultural iconography defined artistic production at that time will be the major project of the seminar, some of the key theoretical questions concerning the relationship between avant-garde and mass culture in the twentieth century will be addressed as well.

## **FRSEMR 33C Borges, Garcia Marquez, Bolano and Other Classics of Modern Latin American Literature**

CourseID: 159836

Faculty:

Next Term Offered:

This course introduces students to some of the most important Latin American literary works produced during the twentieth century. We will explore the ways in which these novels, short-stories, essays and poems interrogate the historical traumas, political contexts and aesthetic potential of the region between 1920s and 1980s. We will shed light on their place in the historical and cultural formation of the literary canon, as well as on the concept of 'classic'. The goal of this seminar is two-fold. On the one hand, it introduces students to the Latin American literary and critical tradition through some of the best and most interesting literary and critical works (each novel or grouping of short stories and poems are paired with an important critical essay that situates them historically and aesthetically). On the other, it provides them with the fundamental skills of literary analysis (close reading, conceptual and historical framing, continuities and discontinuities with the aesthetic tradition), and that is why I have selected a relatively small number of readings, in order to have time to work through them, discuss them and have some flexibility to extend the classes we dedicate to a given author when our discussions merit it.

## **FRSEMR 34D Dead Cthulhu Waits Dreaming: H.P. Lovecraft and Mythology**

CourseID: 160202

Faculty:

Next Term Offered:

H.P. Lovecraft, the American writer of science fiction, horror, and fantasy, created a cosmology, a mythology, and an alternative vision of life and reality so compelling that over the years some readers have come to believe that his invented Necronomicon is a real book (in the Widener stacks). Like his predecessor, Edgar Allan Poe, Lovecraft lived and died without recognition in his own country: American culture then as now valued practicality and social engagement. What is it, then, that captivates Lovecraftians? The seminar will explore the invention of personal mythologies, languages, and narratives of counter-realities by Lovecraft and other writers (including Poe, C.G. Jung, Ursula Le Guin, Colin Wilson, and Philip K. Dick) as ways of individuation, and of resistance to conformity, through creative imagination.

### FRSEMR 34N Florence: Urban and Artistic History

CourseID: 156175

Faculty:

Next Term Offered:

This course, which examines the urban history of Florence from its founding to the present day, explains the role of art and architecture in constructing a particular image of the city at different stages of its development. Structured as a series of case studies rather than a comprehensive overview, it aims to introduce students to the city's main artistic and architectural monuments, developing their ability to "read" the urban fabric by identifying its various features and explaining political, social, economic, and cultural agendas that brought them into existence. Open to Freshmen only.

### FRSEMR 35I Reconstruction in American Memory

CourseID: 156212

Faculty:

Next Term Offered:

Reconstruction - the period of economic rebuilding and philosophical reorientation that followed the American Civil War - was an unprecedented moment of historical rupture. Reconstruction sought quite simply to remake an entire society at once, from one day to the next replacing slavery with the ideals of free labor and democratic participation. In this seminar, we will consider Reconstruction as a set of historical events and as a narrative problem. In other words, while learning about this unheralded moment of change in American history, we will also ask how Reconstruction became a story to be passed down from one generation to the next - by novelists, poets, historians, political scientists, and filmmakers.

## FRSEMR 35W Sex, Gender, Shakespeare

CourseID: 156213

Faculty:

Next Term Offered:

Was Shakespeare a misogynist, a feminist, or a product of his time? Was he homosexual? That these questions remain controversial four hundred years after Shakespeare's death testifies to the sensitive complexity with which Shakespeare handled the topics of sex and gender. This course explores how sexuality and gender function in numerous plays, sonnets, and narrative poems. Since words like "feminist" and "homosexual" did not exist in Shakespeare's lifetime, the course will introduce historically responsible methods of analyzing our subject matter. In the case of the plays, we will focus on performance, including modern films and period use of boy actors.

## FRSEMR 36Z Monstrous Literature

CourseID: 156214

Faculty:

Next Term Offered:

This course will explore the literature of the monstrous, with a particular focus on two extraordinary periods: the Renaissance and the Romantic era. From moral monstrosities like the overreaching Faust to physical monstrosities like Frankenstein's creature, monsters defy the order of things. Their very bodies may transgress the norm, or their ambitions seek to overthrow our entire world. What does the monster mean? And what do these figures reveal about our attitudes toward the future, toward cultural outsiders, toward the body and the boundaries between human and non-human? Authors include Montaigne, Marlowe, Shakespeare, Spenser, Milton, Goethe, Byron, and Shelley. Open to Freshmen only.

## FRSEMR 37Y Muslim Voices in Contemporary World Literatures

CourseID: 156178

Faculty:

Next Term Offered:

What do Muslims think of acts of terrorism committed in the name of Islam, the mixing of religion with politics, the status and rights of women, the hegemony of the "West"? This seminar investigates the viewpoints of prominent Muslim writers on these and other "hot button" issues as reflected in novels, short stories and poetry

from different parts of the world. Explores a range of issues facing Muslim communities in various parts of the world by examining the impact of colonialism, nationalism, globalization and politicization of Islam on the search for a modern Islamic identity. Readings of Muslim authors from the Middle East, sub-Saharan Africa, South Asia, Europe and America.

### FRSEMR 37Z Socrates and His Critics

CourseID: 156184

Faculty:

Next Term Offered:

Was Socrates guilty of treason and impiety? Did he corrupt the young of Athens? In this seminar, we will read a number of Plato's "Socratic" dialogues (on friendship, sex, piety, imitation and censorship, courage, and justice), along with the work of authors whose views on these topics dramatically contrast with those of Socrates. The seminar will include Socratic discussions, with half the class taking the role of Socrates and half the role of his opponents; a visit to the Sackler Museum to compare Socrates' and Oscar Wilde's responses to art; and a dramatic re-enactment of the trial of Socrates.

### FRSEMR 38Q History at the Movies

CourseID: 156331

Faculty:

Next Term Offered:

Since the earliest days of cinema, filmmakers have looked to the past for inspiration. Historians have often dismissed cinematic versions of the past for their inaccuracies and simplifications. This seminar adopts a more open-minded view of historical movies to explore the potential of film as a medium for understanding and representing history and to consider some of the "big" questions of history. Movies covering a wide chronological range and drawn from a variety of sub-genres will be included. ?

### FRSEMR 38Z Romancing the Kitchen: Food Culture across the Romance

Languages

CourseID: 109484

Faculty:

Next Term Offered:

This course offers a taste (*sapore*) of the knowledge (*sapere*) that is found in the

language and culture the Romance languages, in particular, French, Italian, Spanish, infused by unique flavors of Portuguese and Catalan as well. Consumption of food and the consumption of texts, eating language and culture, the Romance kitchen as a liminal space between language and culture, body and spirit, the living and the deceased.

FRSEMR 39J A Cultural History of the US Occupation of Central Europe,

1945-1955

CourseID: 120405

Faculty:

Next Term Offered:

Open to Freshman only

FRSEMR 39U American Painting After the Civil War: John Singer Sargent, Winslow Homer, and their Contemporaries

CourseID: 156405

Faculty:

Next Term Offered:

This course, designed for those with no prior art history, will examine the work of some of the outstanding painters and writers of America's "Gilded Age," the period (roughly 1870-1895) that takes its name from the title of a novel by Mark Twain. The paintings of John Singer Sargent, Winslow Homer, Thomas Eakins, and others will be examined in comparison with the writing of Walt Whitman, Henry James, and William Dean Howells. We will make extensive use of original works at Harvard's newly reopened Fogg Museum. We will learn to "read" paintings, and will explore various methods of interpreting them as we seek to discover what the work of art can tell us about the culture that produced it, and how the history and literature of the period sheds light on the work of art. Note: Please read or refresh your memory of Twain's HUCK FINN before the first class. There will be required field trips to museums, dates TBD.

FRSEMR 39V Fear and Wonder: Natural and Unnatural Experience of the Sublime

CourseID: 109799

Faculty:

Next Term Offered:

This seminar explores extreme states of mind: the feeling of fear and wonder that philosophers call the sublime. Sublime experiences are so intense that they

overwhelm our senses and our ability to express ourselves, jamming the system. The rediscovery of the sublime in the late eighteenth century coincided with a cultural shift from viewing the Alps as a site of fear to a place of awe and beauty, a shift reflected in Romantic art and literature. It reappears in modernism, in forms that range from Gothic fiction to the technological sublime of skyscrapers, the Wild West, and novels on the "posthuman" sublime of life after ecological catastrophe. Open to Freshmen only.

## FRSEMR 40P Making the Grade? Middle and High School Math Education in the U.S.

CourseID: 109469

Faculty:

Next Term Offered:

What are the goals of mathematics education at the middle and high school level, and how do these goals impact our evaluation of the success or failure of math education in America? Why does math education at these levels matter? What societal structures (historic, economic, political, cultural) impact mathematics education? How does math education in turn impact societal structures? As the world changes, how do the goals of mathematics education change, and in what ways? We will explore these issues to become more educated participants in this ongoing discussion. A special invitation to students not planning to concentrate in math is extended. This is not a mathematics course and has no prerequisites.

## FRSEMR 40T Political Rhetoric and American Democracy

CourseID: 156332

Faculty:

Next Term Offered:

This course investigates a question at the heart of democratic politics: in what sense, if any, is rhetoric a part of reasoned political argument? Is rhetoric necessarily a kind of pandering or manipulation? Or can rhetoric be a part of thoughtful deliberation on the common good? We will examine the case for and against rhetoric by turning to classical texts (Aristotle, Plato, Hobbes, Kant), contemporary political theory, and great political speeches (Frederick Douglass, Abraham Lincoln, Lyndon Johnson, and others.)

## FRSEMR 41Q Boston Green

CourseID: 156501

Faculty:

Next Term Offered:

Boston is full of green spaces such as the Emerald Necklace, bike trails, and smaller pieces of greenery that make ordinary spaces feel more special. Focusing on Boston and surrounding areas, this Freshman Seminar will explore the ideas behind making cities "green" in the first place. Since the 19th century, landscape architects, planners, government officials, and the public alike differed over where such spaces should be built, who should enjoy them, and what naturalistic ideas these areas were supposed to convey. More generally, the course will provide students with an introduction to the application of environmental thought to planning.

#### FRSEMR 41T Modernity, Society, and the Novel

CourseID: 109709

Faculty:

Next Term Offered:

This seminar focuses on the experience of the social actor in modernity, using novels and sociological literature as guides; the nature of modernity will be examined, with the existential experience of the modern individual as the object of focus. The novel will be studied so as to gain leverage on such questions as "What is identity, and how is it shaped?" and "What are the implications of modernity on one's creation of the self?" The novels to be considered juxtapose the experience of women to that of men and focus on 19th and early 20th century England, France, and America. Open to Freshmen only

#### FRSEMR 41U Museums

CourseID: 156182

Faculty:

Next Term Offered:

What are museums? Where did they come from? What exactly do they do, and why? Do they have a future? This seminar will trace the history of museums from their beginnings centuries ago as personal collections maintained by private (wealthy) individuals to the modern institutions of today. We will consider not only the objects maintained in museums and their conservation, but also the role of museums in contemporary society, financial considerations associated with their successful operation, their dual—and sometimes conflicting—functions of scholarly research and public display, the mechanics and psychology of exhibit design, legal and ethical issues of collecting and acquisition, and challenges confronting museums and how they likely will fare in the future. The seminar's focus will range from large art, archaeological, and natural history museums to

smaller and more specialized institutions that focus on particular cultural, scientific, artistic, and engineering artifacts. Weekly class meetings will include both discussion sessions and field trips to museums at Harvard and elsewhere in the Boston area. During these trips we will view public exhibits and gain access to “behind-the-scenes” collections and scholar/staff work areas that the public rarely sees. One weekend-day optional field trip to a museum outside Boston will be included as well, depending on student interest.

### FRSEMR 41X This Land is Whose Land? Sacred Places and American Law

CourseID: 121904

Faculty:

Next Term Offered:

Investigates American Indian sacred places--national parks, private monuments, shrines, burial grounds (sources of natural, economic, and spiritual power). American legal system sees sacred space in a building but not in nature. How should American Indian sacred places and religious freedom be protected? Roles played by places and law in forming personality and cultural assumptions. What are the ideas, lifeways, and cultures that are at stake in this question, for both Indians and non Indians? Open to Freshmen only.

### FRSEMR 42D The Transformation of Marketing

CourseID: 159740

Faculty:

Next Term Offered:

Marketing is the process by which an organization creates value for customers and extracts a share of that value for the organization. The seminar will cover the basics of marketing management and explore how the advent of new digital technologies, the increasingly global nature of business, and recent societal trends are impacting the marketing field. The seminar draws upon concepts in psychology, sociology and economics and infuses many examples to illustrate relevant issues. Each meeting covers a specific topic, with pre-readings forming the basis for in-class discussion. There will be two short assignments during the term and one final paper.

### FRSEMR 42F Crime and Punishment in the United States , 1800-2000

CourseID: 160200

Faculty:

Next Term Offered:

This course will examine the history of crime and punishment in the United States from the nineteenth through the twentieth century. We will examine early ideas about crime and punishment, and how they changed over the past two centuries. Topics will include the rise of the penitentiary, the rise and decline of the Southern convict lease system, progressive era penal knowledge and reform, and the criminalization of alcohol and drugs during the 1920s Prohibition era. Finally, the rise of the system of mass incarceration since the 1970s will be discussed.

### FRSEMR 42K Comparative Law and Religion

CourseID: 123789

Faculty:

Next Term Offered:

Investigates the use of legal processes in addressing religion-based conflicts, a leading source of tension in modern societies. The seminar will explore theoretical approaches to accommodating religious diversity and examine existing models of religion-state relationships. Drawing on legal cases from the US, Turkey, India, Israel, Spain, Canada, and England, the seminar will also familiarize participants with contemporary debates involving religion: the wearing of Islamic headscarf, religion and education, the funding of religious institutions, etc.

### FRSEMR 42W The Book: From Gutenberg to the Internet

CourseID: 156180

Faculty:

Next Term Offered:

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. Open to Freshmen only. Additional time after the seminar meeting may be arranged for hands-on workshops.

### FRSEMR 43W History, Nationalism, and the World: the Case of Korea

CourseID: 108515

Faculty:

Next Term Offered:

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.

#### FRSEMR 44N Communication, Advocacy, and Public Affairs

CourseID: 156183

Faculty:

Next Term Offered:

This course provides students with information and insights about strategic communication: how messages are created and framed, why we respond to messages the way we do, and how to employ communications strategies to advance political and public policy goals. The aim is to give students practical experience in developing and executing communications and advocacy strategies to create or change policy. Through guest lecturers, it will introduce students to the perspectives of different critical actors in the policymaking process. For Freshmen only.

#### FRSEMR 44S Neanderthals and Human Evolutionary Theory

CourseID: 156177

Faculty:

Next Term Offered:

This course explores the origins and development of human evolutionary theory in parallel with the discovery and study of our "cousins," the Neanderthals. Readings and discussions highlight breakthroughs in evolutionary theory since the 17th century, ranging from the Darwinian revolution to the field of "evo-devo." The recent history of the Neanderthals is explored in detail, which mirrors intellectual developments in biological anthropology ranging from the re-conceptualization of race to innovations in recovering ancient DNA. Open to Freshmen only.

#### FRSEMR 44W The Masquerade of Common Scents: An Exploration of Ephemeral Knowledge

CourseID: 109795

Faculty:

Next Term Offered:

Intimate, subjective and transitory, the sense of smell has the power to evoke memory and emotions, to mark places and persons, and give rise to both desire and disgust. Lacking a well-defined vocabulary, smell can be elusive. Yet, as evidence of disease, crime, gender, race, sexuality, the sacred and profane, scent lingers on in judgment. How does this verdict coalesce - in medicine, public health and law? We will sample various scents and use them as the occasion for writing and reflection -- shared and yet privately known, these olfactory forays will serve as our experience of an impossibly common sense. Open to Freshmen only.

#### FRSEMR 46K The Terrorist

CourseID: 110308

Faculty:

Next Term Offered:

This course will introduce students to the study of terrorism. We will cover the history and evolution of the tactic, from the Zealots to al Qaeda to the Tsarnaev Brothers. We will assess terrorists' motivations and how they market their causes to various publics. Why do terrorists do what they do? We will explore risk factors at various levels, including global, national, group, and personal. After completing this course, we expect that students will have a much more nuanced and intellectually grounded understanding of terrorism.

#### FRSEMR 48J Moral and Political issues in Contemporary Democracies

CourseID: 108584

Faculty:

Next Term Offered:

The course addresses timely *problems* and core *values* of contemporary democracies. The *problems* that we will examine include: torture, terrorism, immigration, affirmative action, and hate speech. Each of these topics poses a challenge to key *values* characteristic of liberal-democracies such as the rule of law, toleration, political equality, and freedom. We will examine the philosophical justification of these values as a background to the discussion of the applied cases mentioned above. Open to Freshmen only.

#### FRSEMR 98 Democracy and Citizenship in the United States

CourseID: 115992

Faculty:

Next Term Offered:

Open to Freshman only.

## Germanic Languages and Literatures

GERM 63 Germany and Europe: Heimat, Exil, Return

CourseID: 160445

Faculty:

Next Term Offered:

This course discusses 20th and 21st Century German culture and poetics in dialogue and dispute with its European neighbors. Particular emphasis will be put on the effect of history on contemporary political, cultural and historical issues. How did the rest of Europe react to the German unification? How does Germany relate to its „Gastarbeiter“ today? This course is designed to provide students with the ability to gain insights into how personal and collective identity is constructed and problematized through art and culture. In this interdisciplinary course we will work with a variety of written genre (poetry, short stories, plays, essays, journalistic non-fiction), as well as visual art, architecture, and film. The class is conducted entirely in German. We will take a cultural studies approach to understanding how to read effectively and interpret textual and visual materials.

GERMAN CA Intermediate German: Speaking, Listening Comprehension,

Reading, and Writing

CourseID: 116774

Faculty:

Next Term Offered:

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.

**GERMAN 67 German in Revue: Kabarett through the 20th Century**

CourseID: 110103

Faculty:

Next Term Offered: 2017 Spring

Immersion into German language and culture through German *Kabarett* of the 20th century. Introduction to the writing and performance techniques of German cabaret artists, including the analysis of comedic skits, political and social satire, parody, and humorous poetry. The final project involves a performance of a *Kabarett* revue.

**GERMAN 120 The Age of Goethe**

CourseID: 115190

Faculty: Peter Burgard

Next Term Offered: 2019 Fall

Major movements in German literature and thought from the mid-18th to early 19th century: Enlightenment, Sentimentalism, Storm and Stress, Classicism, Romanticism. Readings include Kant, Klopstock, Lessing, Goethe, Lenz, Schiller, Hölderlin, Kleist, Schlegel, Novalis.

**GERMAN 145 Repression and Expression: Sexuality, Gender, and Language in Fin-de-siècle Literature and Art**

CourseID: 116496

Faculty: Peter Burgard

Next Term Offered: 2017 Fall

Examines German and Austrian art and literature of the Turn-of-the-Century (c. 1880-1920) with a focus on the dominant topics of sexuality, gender, and language that are articulated theoretically in the work of Nietzsche and Freud and insistently exemplified thematically and formally in both the art and literature of the age. The examination of this period, these theories, this art, and this literature serves the primary purpose of developing skills in the interpretation of literary texts and the plastic arts, as well as exploring the possibilities and productivity of bringing these arts and the interpretation of them to bear on one another.

**GERMAN 146 The Ethics of Atheism: Marx, Nietzsche, Freud**

CourseID: 126632

Faculty: Peter Burgard

Next Term Offered: 2018 Spring

Examines the Western secular tradition through the work of three seminal figures whose critiques of religion -- in social and political theory, philosophy, and psychoanalysis and anthropology -- are motivated by ethical concerns. Introductory readings of Kant and Feuerbach ground analysis of Marx's, Nietzsche's, and Freud's ethical atheism. Students do not develop or debate formulae for behavior, but rather become critically aware of ethical considerations that underlie actions and that are negotiated vis-à-vis prevailing moral codes. Readings include (some selections and some complete works): Kant, Prefaces to *Religion within the Limits of Reason Alone*; Feuerbach, *The Essence of Christianity*; Marx, *Critique of Hegel's Philosophy in General*, Introduction to *Critique of Hegel's Philosophy of Right*, *On the Jewish Question*, *Theses on Feuerbach*, *Communist Manifesto*; Nietzsche, *On Truth and Lie in the Extra-Moral Sense*, *The Gay Science*, *Beyond Good and Evil*, *On the Genealogy of Morals*, *The Antichrist*; Freud, *Three Essays on the Theory of Sexuality*, *Totem and Taboo*, *The Future of an Illusion*. The course is conducted as a large seminar with preparatory section meetings the afternoon or evening before the full seminar meeting.

### GERMAN 147 Nietzsche

CourseID: 115710

Faculty: Peter Burgard

Next Term Offered: 2018 Fall

Readings and discussion of Nietzsche's major works in translation and in chronological order: *The Birth of Tragedy*; *On Truth and Lie in an Extra-Moral Sense*; *Untimely Meditations*; *Human, All Too Human*; *The Gay Science*; *Thus Spoke Zarathustra*; *Beyond Good and Evil*; *On the Genealogy of Morals*; *Twilight of the Idols*; *The Antichrist*; and *Ecce Homo*.

### GERMAN 210 Excess: Baroque Art and Literature

CourseID: 144773

Faculty: Peter Burgard

Next Term Offered: 2019 Spring

European Baroque art and German Baroque literature. Revolutions of excess and devolutions of system in architecture, painting, sculpture, poetry, drama, narrative. Undergraduates welcome.

**GERMAN 295 Rhetoric: Disciplines of Persuasion (Graduate Seminar in General Education)**

CourseID: 159714

Faculty: Peter Burgard

Next Term Offered: 2018 Spring

Examines rhetoric from Aristotle to the present. Addresses rhetoric in literature, philosophy, science, statistics, politics, journalism, art, film, and digital media. Explores how we communicate to and with one another, how we construct and present arguments, how we persuade and are persuaded. Seeks to understand better the rhetoric we use and to which we are subjected as well as the fact that we regularly use and are subjected to rhetoric.

**GERMPHIL 200 Middle High German**

CourseID: 156291

Faculty:

Next Term Offered:

In this language course, the students learn how to read and understand Middle High German literature. We work closely with a range of texts (poetical, religious, scientific), translating and analyzing them as well as discussing their cultural context.

**SCAND 50 Becoming Scandinavia: Introduction to Scandinavian History and Identity**

CourseID: 156512

Faculty:

Next Term Offered:

This course takes a historical perspective on Scandinavian culture, introducing it through texts and art from the Viking Age until the present day. It also discusses how history has shaped and continues to shape contemporary Scandinavian identity and the relationships between the countries. We will be reading primary sources as well as fiction, in translation, watching films and making use of Harvard's library and museum collections.

**SCAND 150R The Vikings and the Nordic Heroic Tradition**

CourseID: 122444

Faculty:

Next Term Offered:

Examines the historical events in Europe A.D. 800 to A.D. 1100, and the resulting heroic legacy in medieval poetry and Icelandic sagas. The course focuses on Viking Age figures as warriors, kings, poets, outlaws and adventurers; pre-Christian religion, the Viking raids and the Norse experience in "Vinland" carefully considered.

### SCAND 160A Old Norse Language, Literature, and Culture: The Viking Legacy

CourseID: 118050

Faculty:

Next Term Offered:

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 skaldic poetry, selections from *Egils saga* and the Vinland sagas, and various runic monuments.

### SCAND 175 Beyond 'Sex, Suicide and Socialism': Scandinavia past the Stereotypes

CourseID: 159731

Faculty:

Next Term Offered:

Explores Nordic cultural history, and the creation, use, and misuse of national identities in Denmark, Iceland, Norway, Sweden, and other regions in the 19th and 20th centuries, through the examination of a wide variety of cultural monuments (e.g., literary works, folklore collections, museum displays, films and paintings).

## Government

### GOV 94BH Ethics and Public Policy

CourseID: 203517

Faculty:

Next Term Offered:

### GOV 94EK Globalization and Private Governance

CourseID: 125573

Faculty:

Next Term Offered:

This research seminar examines the impact of globalization on labor and environmental standards in developing nations. Topics include: the rules of the World Trade Organization and various preferential trade agreements, including NAFTA, and how these affect regulatory standards set by governments; the effects of corporate social responsibility (CSR) measures, including corporate codes of conduct; the effectiveness of activist campaigns, and; the impact of voluntary certification and labeling schemes such as Fair Trade.

### GOV 94LE Liberalism and Empire

CourseID: 109875

Faculty:

Next Term Offered:

Can theories grounded in moral universalism and democratic principles legitimate imperial domination and intervention? Modern liberal political thought emerged in tandem with European expansion into the "new world" and then into Asia and Africa, generating both critics and supporters of imperialism. Focusing on the imperial impulse in Britain, France, and the United States, this seminar examines the conceptual connections between liberal democracy and empire in political thinkers from John Locke to Niall Ferguson.

### GOV 94SP Future of War

CourseID: 114703

Faculty:

Next Term Offered:

Examines the character and implications of political and technological factors that could affect the future conduct of war.

### GOV 1016 Spatial Models for Social and Environmental Policy

CourseID: 125232

Faculty:

Next Term Offered:

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.

### GOV 1020 Intermediate Mathematics for Social Scientists

CourseID: 125428

Faculty:

Next Term Offered:

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.

### GOV 1072 Moral Issues in Contemporary Politics

CourseID: 125604

Faculty:

Next Term Offered:

This course is intended to help students think critically about the controversial ethical questions which are being debated in American politics today. We will weigh both sides of arguments over such issues as economic redistribution, the rights of women and racial minorities, the political status of the family, the regulation of the beginning and end of life, and the conduct of foreign policy.

### GOV 1096 Legal Thought Now: Law and the Structure of Society

CourseID: 110223

Faculty:

Next Term Offered:

Law is the institutional form of the life of a people. It embodies the formative institutions and assumptions of society. But law is never a closed system: we can enlist its disharmonies in the service of reimagination and reform.

This course considers the character and consequences of a practice of legal analysis, couched in the language of purpose, policy, and principle, that has become dominant in the United States and in much of the world. It asks how we might change this practice to make it both more realistic about established law and more useful to the development of alternative futures for society. It provides an introduction to jurisprudence from the standpoint of an interest in transformation.

### GOV 1171 The Making of Modern Politics: The Development of Democracy in Europe from the Middle Ages to the Eu

CourseID: 114770

Faculty:

Next Term Offered:

How are democracies created and why do they collapse? What causes revolution? What were the consequences of the industrial revolution? What roles do ideas, institutions and interests play in processes of political change? This course examines the long-term historical developments behind the creation of modern politics. Focusing on Britain, France, Germany and Italy from the 1600s to the 2000s, it explores the lessons Europe offers for the development of democracy.

### GOV 1243 Russian Politics in Transition

CourseID: 111162

Faculty:

Next Term Offered:

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.

## **GOV 1300 The Politics of Congress**

CourseID: 124447

Faculty:

Next Term Offered:

A broad survey of the legislative branch of the American government. Topics include committee power, party leadership, rules and procedures, legislative elections, and inter-branch relations.

## **GOV 1358 Presidential Power in the United States**

CourseID: 125837

Faculty:

Next Term Offered:

Analyzes the origins and evolution of presidential power in the United States. Studies the powers of the President and how those powers translate into power. Examines and evaluates the most prominent political science theories, scholarly debates, and public controversies about presidential power. Explores the strategic choices available to modern American presidents in their efforts to augment the power of the presidency and provide active leadership to the political system.

## **GOV 1368 The Politics of American Education**

CourseID: 121728

Faculty:

Next Term Offered:

This course examines historical and contemporary forces shaping American K-12 education policy. It also reviews research and commentary on contemporary issues: class size, fiscal policy, teacher recruitment, compensation and tenure, accountability, school vouchers, charter schools and digital learning.

## **GOV 1372 Political Psychology**

CourseID: 126926

Faculty:

Next Term Offered:

This course examines the psychological mechanisms behind political behaviors and institutions. Topics covered will include voting behavior, campaigns and media, partisanship, political violence, and racial attitudes. For these and other topics we will not only ask what happens but examine how human psychology

makes it happen.

## GOV 1510 American Constitutional Law

CourseID: 128024

Faculty:

Next Term Offered:

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.

## GOV 1539 Politics of the American Presidency

CourseID: 205108

Faculty:

Next Term Offered:

## GOV 1732 The Origins of Modern Wars

CourseID: 123775

Faculty:

Next Term Offered:

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 "obsolete."

## GOV 1734 Ethics and War

CourseID: 160373

Faculty:

Next Term Offered:

What is the origin, character, and impact of ethical constraints on war? The course will review major theoretical discussions of this subject in readings and lectures. Students will then engage in in-class debates on the ethical status of actions taken in war based on historical cases.

## **GOV 1740 International Law**

CourseID: 118526

Faculty:

Next Term Offered:

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.

## **GOV 1790 American Foreign Policy**

CourseID: 156115

Faculty:

Next Term Offered:

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.

## **GOV 1793 Media, Public Opinion and Foreign Policy**

CourseID: 109557

Faculty:

Next Term Offered:

This course investigates the means through which the media and public opinion influence U.S. foreign policy. We will consider how the public learns about foreign policy, whether and when they care about it, and when political leaders will be responsive to public preferences. We will also consider the effects of real-time global news reporting and media fragmentation. The goal is to understand the interaction between the media, the public and political leaders.

## **GOV 1982 Chinese Foreign Policy, 1949-2015**

CourseID: 111556

Faculty:

Next Term Offered:

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).

### GOV 2030 Political Concepts: Field Seminar

CourseID: 116338

Faculty:

Next Term Offered:

A thematic exploration of important normative concepts such as freedom, equality, justice, legitimacy, obligation and democracy. Readings are drawn largely from contemporary scholarship.

### GOV 2036 Athenian Democracy and its Critics

CourseID: 113985

Faculty:

Next Term Offered:

This course will open up ancient political thought and contemporary democratic theory through close study of Athenian politics and ideology and of the philosophical response. The ancient Athenians invented an unusually successful type of political regime and were remarkably self-conscious about what they were trying to do and how and why it worked. An important feature of their democracy was a largely sustained openness to ideas. The execution of Socrates was the exception not the rule, and dissent thrived in Athens. The philosophical work of Plato and Aristotle did not occur in isolation of or separation from the politics of the city. To an important extent, the ancient critics of Athens were also trying to cure it of what they saw as its failings. A study of key ancient Greek thinkers as critics of the democracy shines valuable light on their political theory generally. Importantly, it is only with the moderns—the Federalist Papers, Constant, Mill, Berlin, and even Rawls—that we find purely apolitical and theoretical criticism of ancient Athens. Their target is the Athenian ideal of political equality. By extending our study of critics of Athenian democracy into the contemporary period, we gain new insight about the place of the ideal of political equality in contemporary democratic theory and theories of justice.

### GOV 2080 Topics in Political Philosophy

CourseID: 125874

Faculty:

Next Term Offered:

Machiavelli and the Discovery of Fact. Machiavelli as philosopher and as founder of modern philosophy. Readings in Machiavelli, Descartes, Hobbes, Locke, and Hume; and on the fact/value distinction.

### GOV 2160 Politics and Economics

CourseID: 119573

Faculty:

Next Term Offered:

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.

### GOV 2213 Comparative Politics of Post-Socialism

CourseID: 156438

Faculty:

Next Term Offered:

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.

### GOV 2218 Topics in Russian Politics

CourseID: 114716

Faculty:

Next Term Offered:

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.

### GOV 2340A Proseminar on Inequality and Social Policy I

CourseID: 128283

Faculty:

Next Term Offered:

Considers effects of varied political activities on creating or reducing inequality in U.S., and at effects of inequality on political activity and policy choices. Examines electoral participation, social movements, lawmaking, etc. on policies like education, ERA, welfare.

### GOV 2340B Social Policy II

CourseID: 156458

Faculty:

Next Term Offered:

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.

### GOV 2340C Proseminar Social Policy III

CourseID: 159875

Faculty:

Next Term Offered:

### GOV 2372 Political Psychology

CourseID: 156523

Faculty:

Next Term Offered:

### GOV 2474 Approaches to the Study of the US Congress: Models and Methods

CourseID: 156355

Faculty:

Next Term Offered:

In this seminar we survey and critically evaluate various models of Congressional politics. Special emphasis is given quantitative and modeling approaches to legislative organization, legislative process, congressional elections, legislative parties, House-Senate comparisons, and inter-branch politics. Students are expected to participate actively each week, complete several small writing

assignments, and produce a research paper.

### **GOV 2576 Racial and Ethnic Politics in the United States**

CourseID: 156439

Faculty:

Next Term Offered:

The course begins with the history and structure of the classic Black-White binary, then addresses ways in which it must be rethought to include other groups, mainly Asians and Latinos. Issues include racialization, immigrant incorporation, political coalitions and conflict, racial mixture, and links between race, class, gender, and ideology. Focuses on the United States but includes comparisons with Europe, Latin America, and South Africa.

### **GOV 2719 Special Topics in International Relations**

CourseID: 109396

Faculty:

Next Term Offered:

This is a graduate level reading course on international relations. The purpose is to both continue preparation for general exams, and to encourage students to develop their dissertation prospectus. Special attention is given to reading book length projects in preparation for designing and organizing the PhD dissertation.

### **GOV 2735 Empirical Models in International Relations**

CourseID: 124450

Faculty:

Next Term Offered:

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.

### **GOV 2740 International Law and Organization**

CourseID: 114725

Faculty:

Next Term Offered:

This is a graduate course that explores the roles of international law and organizations in world politics. The purpose is to bring to the fore institutions and practices that structure international relations and affect important local and global outcomes. The course covers theories of international cooperation and linkages between domestic and international politics and institutions, with attention to the ways in which law and organization not only affect the possibilities of joint gains but also structure conflict and empower certain actors and coalitions. The course will cover international security arrangements, international commercial agreements, and international human rights, plus other topics generated by student interest. Students will write a research paper relating to the content of the course. Open to undergraduate students who have taken 1740, with permission of the instructor.

### GOV 2755 International Political Economy

CourseID: 121351

Faculty:

Next Term Offered:

A graduate-level introduction to the theoretical and empirical literature on the political economy of international trade, monetary, regulatory, and investment policies.

### GOV 2880 Advanced Seminar on China's International Relations

CourseID: 114733

Faculty:

Next Term Offered:

**An intensive reading and research course in the application of social science theories and methods to the study of Chinese foreign policy. Topics will include structural, economic, normative, domestic, political, and psychological theories, research methods and data sources, and their use in the analysis of China's bilateral and multilateral international relations. For graduate students only. Ability to read Chinese documents is required. Prior course work in international relations theory and in Chinese foreign policy strongly recommended.**

## History of Art and Architecture

### HAA 18P The Japanese Woodblock Print

CourseID: 128155

Faculty:

Next Term Offered:

This course provides an introduction to Japanese art and cultural history through a survey of the Japanese woodblock print from its emergence in the mid-17th century to the modern era. Technical developments, major genres, and master designers are explored within the context of Japan's pictorial traditions and evolving urban culture. Topics for consideration include aesthetic discourse, censorship, erotica, Japonisme, the construction of social identity, print culture, and the representation of war.

### HAA 18S Arts of South and Southeast Asia

CourseID: 109835

Faculty:

Next Term Offered:

This is an introduction to the arts of South and Southeast Asia from the second millennium BCE to the present. Each lecture will examine selective artifacts and sites to understand the history of major artistic traditions developed in response to cultural exchanges and political dynamics within and beyond the region. By examining a wide range of material, such as Buddhist sculptures, Hindu temples, Jain manuscript paintings, Islamic tombs, calendar art, and so on, with fundamental art historical questions, we will consider what makes the arts of South and Southeast Asia unique as well as universal in the twenty-first century context.

### HAA 22 The Architectural Imagination

CourseID: 156266

Faculty:

Next Term Offered:

This course is structured as a dialogue between the historical and theoretical frameworks that have shaped the formulation of architectural principles - what the architectural historian Rudolf Wittkower called the "apparatus of forms" - by means of selected case studies. The organizing principle here is thematic as opposed to chronological, and synoptic rather than merely factual. We treat a selected range

of concepts developed by philosophers and historians to explain the Classical and the Baroque as dialectical systems of thought that arise in history but transcend this history to mark modern and postmodern practices.

## HAA 122N Architecture of Empire: The Ottomans, Safavids and Mughals in a Comparative Perspective

CourseID: 110017

Faculty:

Next Term Offered:

Between the 16th and 18th centuries, three empires - the Mediterranean-based Ottomans, Safavids in Iran, and Mughals in India - developed interconnected yet distinctive architectural cultures with individualized ornamental idioms by fusing their common Timurid heritage with cosmopolitan regional traditions. Explores connections between empire building and architecture, with respect to aesthetics, religion, imperial ideology, and theories of dynastic legitimacy.

## HAA 122X Architecture in Early Modern Mediterranean

CourseID: 121805

Faculty:

Next Term Offered:

Architecture of the Mediterranean basin ca. 1350-1600 emphasizing transcultural and cosmopolitan trends. The focus is on Islamic architecture but within a comparative perspective including references to the Latin West, particularly Italy and Spain. Topics to be considered include cross-cultural encounters, uses of the shared Roman-Byzantine heritage, spolia, materiality and marble, the dome, science and technology, treatises and travel literature, architectural practice, plans and models, the architect, patronage, multimedia ornament, ports and islands, fortifications, architecture of trade, religious and palatial architecture, villas and gardens. Some visiting lectures by Prof. Alina Payne.

## HAA 122X Architecture in Early Modern Mediterranean

CourseID: 159999

Faculty:

Next Term Offered:

Architecture of the Mediterranean basin ca. 1350-1600 emphasizing transcultural and cosmopolitan trends. The focus is on Islamic architecture but within a comparative perspective including references to the Latin West, particularly Italy

and Spain. Topics to be considered include cross-cultural encounters, uses of the shared Roman-Byzantine heritage, spolia, materiality and marble, the dome, science and technology, treatises and travel literature, architectural practice, plans and models, the architect, patronage, multimedia ornament, ports and islands, fortifications, architecture of trade, religious and palatial architecture, villas and gardens. Some visiting lectures by Prof. Alina Payne.

### HAA 123N Islam and Image

CourseID: 160000

Faculty:

Next Term Offered:

A common stereotype is that Islam is against images, a deficit resulting from religious doctrine and endemic iconoclasm that in turn fostered the arts of writing and geometric abstraction without figuration. Such assertions are misleading and incomplete. The seminar looks at the broad scope of two-dimensional images produced throughout the Islamic lands from the formation of Islam in the seventh century to the present day. Selected case studies span diverse subject matters, media (from ink and watercolor to print and photography), functions, and contexts of use, and invite examination of a spectrum of formal operations and modalities of representation

### HAA 143R The Art of the Court of Constantinople: Proseminar

CourseID: 118559

Faculty:

Next Term Offered:

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.

### HAA 144M Hagia Sophia: Space and Ceremony

CourseID: 160757

Faculty:

Next Term Offered:

This course will look into the history of construction and embellishment of Hagia Sophia, built by Justinian in the 6th century. This extraordinary building, with its dome and open spatial interior stood as a marvel of architecture throughout the

middle ages. In this great space, many rituals and ceremonies took place, which will also be studied during the semester.

### HAA 147M The Book of Hours: Pictures and Prayer in the Middle Ages

CourseID: 109838

Faculty:

Next Term Offered:

Taught from the collection of Books of Hours in the Houghton Library, the course will teach students how to describe and study medieval manuscripts and introduce various aspects of these richly illuminated prayer books. Special attention to the texts and images in the context of later medieval painting and piety within longer traditions of picturing prayer extending back deep into the Middle Ages.

### HAA 157K The Age of Albrecht Durer: Prints and Drawings at Harvard

CourseID: 159977

Faculty:

Next Term Offered:

Examines the revolution in image making that occurred in Germany during the early modern period. Focussing on Durer's achievements, but ranging widely through other Northern Renaissance masters, this course is also a primer in close looking at original works of art in the Museum's Art Study Center.

### HAA 161V Rome: Eternal City

CourseID: 128320

Faculty:

Next Term Offered:

An architectural history of Rome from the empire through the early Christian and medieval city, the Renaissance revival of antiquity, Baroque planning, and early archeology to Fascism and modernism, including the imperial fora, aqueducts, fountains, medieval basilicas, the piazza, villas, gardens, St. Peter's and the Vatican complex.

### HAA 168V The Vatican

CourseID: 156269

Faculty:

Next Term Offered:

Colloquium aimed at undergraduates on the Vatican palace including the Fran Angelico's chapel for Nicholas V, the Raphael stanze, the Loggia of Raphael, the Sistine Chapel including the Michelangelo frescoes and the Raphael tapestries, the Cortile del Belvedere, Julius II's statue court and collections, the Tower of the Winds and Gallery of Maps, the Vatican Library, the Vatican Museums, as well as an overview of old and new St. Peters under Bramante, Michelangelo, Maderno and Bernini

### HAA 171P From Mother Earth to Planet Mars: Designed Landscapes, 1850-2013

CourseID: 109368

Faculty:

Next Term Offered:

This course is an introduction to designed landscapes, and landscape architecture since 1850. Thematic lectures will focus on the history and theory of designed landscapes in the Western world. They will also address landscape creations of the Eastern civilizations and of other time periods as they become relevant for the topics and objects discussed in this class. Students will be able to develop critical and formal analytical skills that facilitate the reading and interpretation of designed landscapes as both physical spaces and as cultural media that sit at the nexus between art and science.

### HAA 172X Vienna Interior

CourseID: 109903

Faculty:

Next Term Offered:

This course explores Vienna in its golden age (1890-1938) through attempts by its leading lights-including Klimt, Schiele, Freud, Wittgenstein and Schönberg-to imagine a new architecture of home. At once a built environment and a subjective inwardness, the Viennese interior was a blueprint of dwelling and of exile for our modern world.

### HAA 174S Body Image in French Visual Culture: 18th and 19th Century

CourseID: 116935

Faculty:

Next Term Offered:

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.

## HAA 179X Tectonics Lab: Conference Course

CourseID: 110270

Faculty:

Next Term Offered:

Tectonics Lab (formerly "Construction Lab") introduces students to material properties, structural behavior, and fabrication-and-assembly issues in architecture through a combination of lectures, workshops, and design-build projects. The course emphasizes two modes of architectural experimentation: analytical and intuitive. Abstract and architectonic exercises involving these modes of experimentation will take place in a workshop format, with students working in teams of varying sizes. Weekly lectures provide a theoretical basis for the design-build projects, with topics including fundamental, non-quantitative statics (e.g., free-body diagrams, types of forces and reactions) and generic structural approaches; material properties and fabrication; joinery and assembly; scalar transformation; modular construction; kinetic structures; and more. Design-build projects challenge students to engage lecture material in a hands-on manner; these projects focus on the construction of full-scale artifacts that may be tested against a range of performance criteria. In each project, students will explore the role of material expression, figuration, and formal gesture in communicating their ideas. Project documentation through drawing, photography, and video is an essential component of coursework, and a comprehensive course portfolio will be due at the end of term.

The principal objective of Tectonics Lab is to extend our shared knowledge of material properties, structural behavior, and construction techniques by testing new ideas. Our research model is a hybrid: equal parts scientific laboratory (where narrowly defined hypotheses are tested and evaluated) and artist's atelier (where expression of ideas, both articulated and ineffable, is the goal).

## HAA 184X Painting of India

CourseID: 156274

Faculty:

Next Term Offered:

The course explores the history of Indian painting based on the collections of the Harvard Art Museums and the Museum of Fine Arts, Boston. We will investigate the theory of pictorial form in India and its relationship to the society at large against the historical currents by probing the development and changes in artistic styles and material culture of painting production. We will pay particular attention to the role of media, such as palm-leaf, birch bark, paper, and pigments, along with consideration of changing symbolic and material meanings of color. Regular visits (sections) to the museums and conservations labs to examine the paintings in person are to be scheduled throughout the semester.

### HAA 187W Art and Mind: Buddhist Visualization

CourseID: 110295

Faculty:

Next Term Offered:

The course explores a central paradox. Meditative visualization, a key aspect of Buddhist practice, involves introspection. It does not require looking at pictures. Why, then, were pictures nevertheless made to externalize interiority in medieval China? The course looks at murals in Buddhist caves, relief sculptures on stupa-towers, woodblock prints uncovered from hidden crypts, and other artifacts related to meditative visualization. Readings include some key Buddhist sutras. Among the core issues driving the course is the current debate about the modeling of mind and intelligence and narratives of "consciousness."

### HAA 191W Image of the Black in Western Art

CourseID: 110150

Faculty:

Next Term Offered:

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

### HAA 191X Books and Things in the Colonial World

CourseID: 156270

Faculty:

Next Term Offered:

We study the few remaining Mesoamerican Pre-Columbian, as well as the much more numerous sixteenth and seventeenth-century colonial, pictorial manuscripts. We also study the only three pictorial manuscripts of the Andes. Emphasis is on the production, form and iconography of the different manuscripts. The physical and formal properties also are examined in relation to use of manuscripts in the Americas, both before and after the Spanish conquest.

### HAA 192M Early African Art (to 1750)

CourseID: 159683

Faculty:

Next Term Offered:

This course explores key art historical and architectural traditions in Africa from earliest man to the eighteenth century.

### HAA 194W Worlds Fairs

CourseID: 127836

Faculty:

Next Term Offered:

This seminar addresses questions of cultural display through the art and architecture of world fairs, mid-nineteenth century to present. Students are introduced to the seminal fair events beginning with the Crystal Palace in London, and extending to fairs in the U.S., France, Belgium, Spain, Japan and China. the history of fairs as artistic and social phenomenon is explored along with how these events shaped national identity, ethnicity, social class, race, imperialism, colonialism, and gender.

### HAA 197 The Imperial Arts of the Inca and the Aztec

CourseID: 114575

Faculty:

Next Term Offered:

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.

### HAA 223M Transregional Connections: Architecture and the Construction of Early Modern Islamic Empires

CourseID: 159980

Faculty:

Next Term Offered:

Between the 16th and 18th centuries, three empires - the Mediterranean-based Ottomans, Safavids in Iran, and Mughals in India - developed interconnected yet distinctive architectural and visual cultures with individualized ornamental idioms by fusing their common Timurid heritage with cosmopolitan regional traditions. Explores connections between empire building and architecture, with respect to aesthetics, religion, imperial ideology, identity, and theories of dynastic legitimacy.

### HAA 224K Islamic Art Historiography: Concepts and Controversies

CourseID: 156279

Faculty:

Next Term Offered:

A critical examination of controversial concepts that have shaped the Islamic field since its 19th-century construction to the present. Topics include orientalism, late antiquity and the Islamic city, archaeology and museums, ornamentality and abstraction, the arabesque and calligraphy, non-perspectival visuality, collectors and exhibitions

### HAA 240 Daily Life in Byzantium

CourseID: 156426

Faculty:

Next Term Offered:

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.

**HAA 240R Topics in Byzantine Art: Illustrating the Word: Manuscripts and their Images from the Byzantine**

CourseID: 118341

Faculty:

Next Term Offered:

The course will concentrate on manuscripts produced after the period of Iconoclasm beginning in the second half of the 9th century. A variety of texts will be examined from courtly as well as monastic environments.

**HAA 242 Issues of Interpretation in Medieval Art: Seminar**

CourseID: 119578

Faculty:

Next Term Offered:

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.

**HAA 271K The Enemy: Law and the Human**

CourseID: 126974

Faculty:

Next Term Offered:

The friend-foe distinction, particularly as understood by legal theorist Carl Schmitt, poses fundamental problems for law, politics, and culture. This course studies Schmitt's concept of the enemy in its historical context, in relation to alternative accounts (by St. Paul, Machiavelli, Hobbes, Madison, Nietzsche, Benjamin, Agamben, and others) and for its relevance to constitutional law and history of art).

**HAA 271P Reading, Drawing, Printing Architecture: Seminar**

CourseID: 127114

Faculty:

Next Term Offered:

The architectural book and its readers, authors, circulation and manufacture in the early modern period.

### HAA 272E Painting and Its Discontents: Seminar

CourseID: 127847

Faculty:

Next Term Offered:

Explores painting as the privileged medium and institution of artistic modernity (from the late 17th c to the present). Issues: Color; Liveliness; Truth; Autonomy; Subjectivity; Touch; Blindness; the Ready-Made; the Post-Medium Condition.

### HAA 272W Post WW II European Art: France, Italy, Germany

CourseID: 121786

Faculty:

Next Term Offered:

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.

### HAA 272Z Post WW II European Art (Part II): Seminar

CourseID: 156268

Faculty:

Next Term Offered:

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.

### HAA 273M Drawing Operations from Fauvism to the Cut-Outs: Henri Matisse

CourseID: 156271

Faculty:

Next Term Offered:

### HAA 275W The Thing

CourseID: 118377

Faculty:

Next Term Offered:

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).

### HAA 275X Aesthetic Theories from Weimar to Adorno

CourseID: 108683

Faculty:

Next Term Offered:

The seminar addresses the changing aesthetic theories that emerged during the Weimar Republic and its aftermath in exile, in the work of some of the key philosophers and art historians, from Georg Lukacs, to Siegfried Kracauer, from Carl Einstein to T.W. Adorno and Aby Warburg.

### HAA 277K The Contemporary

CourseID: 126498

Faculty:

Next Term Offered:

Graduate seminar exploring the intersection of the field of art history with the globalized art world. What is "contemporary art" - in theory, in practice, and in history?

### HAA 278G Drawing: Object, Medium, Discourse

CourseID: 156275

Faculty:

Next Term Offered:

Explores the invention of drawing as a modern medium. Examines practices, theories, and debates on drawing focusing especially in the 18th & 19th centuries. Hands-on experience of works of art, honing of curatorial skills with practice in exhibition design, and extensive discussions of recent readings and methodologies. Materiality, technique, the aesthetic, philosophical, and institutional parameters of practice, including the notions of trace, touch, stain, speed, surface, sight, time, reproduction, generation, the mechanical, value, curiosity, etc. Course designed as preparation for a curricular exhibition on the

subject to take place at Harvard Art Museums involving students.

### HAA 280R Topics in Chinese Art

CourseID: 159952

Faculty:

Next Term Offered:

The seminar explores ways in which heaven is visualized in Chinese art. Topics include astrology, ceiling decoration, heaven-earth correlative cosmology, macro-microcosms, etc. Media include tombs, caves, buildings, and other structures. The periods covered range from the early to late imperial times. Students will be presented with a general body of literature and encouraged to explore their own specific topics.

### HAA 281P Visual Programs in Early Chinese Art

CourseID: 109915

Faculty:

Next Term Offered:

The course explores the mechanism of early Chinese design and visual programming. Early visual and textual blueprints and the First Emperor's tomb serve as starting point. A variety of designs-bronze decorations and tomb furnishings-from Shang through Han will be examined in this framework. Bio-technology is the central concern.

### HAA 281Z Art of Buddhist Caves: Cosmology and Psychology

CourseID: 161253

Faculty:

Next Term Offered:

How do cosmology and psychology meet through art? How does an embellished cave map out a meditative program? The seminar seeks to answer these challenging questions through close analysis of the pictorial-cum-sculptural program of a sixth-century Dunhuang cave that showcases this fusion of spatial and mental dimensions. Students learn the programmatic logic underlying the cave design. The seminar is also a workshop producing detailed annotation to the design of an immersive virtual reality environment.

## HAA 282K Art of Indian Esoteric Buddhism

CourseID: 156273

Faculty:

Next Term Offered:

This seminar explores the art of Indian Esoteric Buddhism from various interpretive vantage points. After a brief survey of the earliest phase of its development, the discussion will focus on unpacking the recent scholarly discourses on Esoteric or Tantric Buddhism in relation to the artistic productions in medieval South Asia (ca. 800-1200CE). The two main topics for the semester will be the Saiva-Buddhist interactions as manifested in iconographic (and artistic) articulations, and the validity of semiotic and historical interpretations of iconography and ritual of Indian Esoteric Buddhism.

## HAA 283S Chinese Art: Han through Tang

CourseID: 156283

Faculty:

Next Term Offered:

The course scrutinizes cases of early and medieval Chinese art. The issues that drive the course include programmatic thinking behind artworks, the temporal-spatial configurations, etc. Isolated artworks are treated as bases to reconstruct larger programs. The course draws on objects in American museums (e.g., sarcophagi, epitaph tablets, shrines) wherever applicable

## HAA 284 Visual Programs in Medieval Chinese Art

CourseID: 109910

Faculty:

Next Term Offered:

Explores relic-inspired medieval Chinese visual programs from the seventh to tenth century. The scope encompasses Japan and Korea wherever applicable. Key issues include the making of algorithm behind the artistic programming derived from relic lore and the elaborate regimens that enable the "body" to evolve into new states of being.

## HAA 285M South Asian Temple: Theory and Practice

CourseID: 109836

Faculty:

Next Term Offered:

The main mode of production in Indian temple architecture is often explained through a strict diagram or vastupurusamandala, an idea extracted from Sanskrit artistic treaties (silpasastra or vastusastra) of varying dates. Going beyond this essentialist tendency, the seminar will explore design strategies adopted to create the most powerful sacred space for each religious and political community and examine the historical relationship between the circulation of such architectural (and artistic) knowledge and the production and use of an actual temple. In particular, we will explore the relationship between the architectural representation (as in architectural motif in sculpture and painting) and the architecture as built environment. The regional focus for this semester will be on Deccan (i.e., cave temples). While some prior knowledge of South and Southeast Asian art, history, or religion may be helpful, none is required for the successful completion of this course.

## HAA 286X Modern Japanese Art

CourseID: 156278

Faculty:

Next Term Offered:

This seminar examines art in Japan from the mid nineteenth century to the present, focusing on the visual arts, performance art, commercial design, and new media. Topics to be addressed include the reception of European beaux-arts institutions and artistic practices, international expositions, the role of art in the formation of the nation-state, the rise of the avant-garde, art and mass culture, and Japanese exhibition culture.

## HAA 288Y Tohaku on Painting

CourseID: 110000

Faculty:

Next Term Offered:

This graduate seminar explores the world of Japanese painting circa 1600 through Tohaku on Painting, the earliest text to record the words of a Japanese painter.

Wherever possible surviving works will be discussed in relation to the text's 93 entries. Themes to be explored include the life and work of Hasegawa Tohaku, the culture of tea display, the reception of Chinese painting in Japan, the Ashikaga shogunal collection, East Asian artistic legend, mounting and viewing practice, the legacy of medieval Zen monk-painters, and the competition among professional painting houses in the early modern era.

#### HAA 289P Sotatsu

CourseID: 156567

Faculty:

Next Term Offered:

This seminar explores the work of the Japanese artist Tawaraya Sotatsu (active ca. 1600-1640). Emphasis will be placed on an intermedia approach that examines his paintings vis-as-vis other kinds of artistic surfaces.

#### HAA 292 Colonial Art of Mexico and the Andes

CourseID: 205122

Faculty:

Next Term Offered:

## Human Evolutionary Biology

### HEB 1430 Research Methods in Comparative Cognition

CourseID: 203724

Faculty: Alexandra Rosati

Next Term Offered: 2018 Spring

This is a methods course that provides students with hands-on experience in comparative cognition research--the study of how different species think about the world. This course will focus on comparisons of psychology and behavior in humans and other primates. The aim of the course is for students to engage in the full breadth of the scientific process - from experimental design, to data collection and interpretation - as well as participate in weekly meetings where cutting-edge findings in the field are discussed.

### HEB 1451 Primate Functional Genetics and Genomics

CourseID: 109815

Faculty: Terence Capellini

Next Term Offered: 2018 Spring

Recent advances in genetics, genomics, and developmental biology are improving our understanding of human and non-human primate biological traits. These disciplines, when incorporated into a multi-faceted context, can reveal the mechanistic basis of evolutionary adaptations. This seminar is designed to investigate and critically evaluate foundational and novel research in primates (and other organisms) that employs the tools of these trades. In doing so, students are exposed to an integrative perspective upon which to explore classic and modern questions in functional biology.

### HEB 1463 Molecular Evolution of Primates

CourseID: 132169

Faculty:

Next Term Offered: 2018 Fall

Molecular biology, DNA sequencing, and genomics have transformed our knowledge of evolution at the molecular level. This course explores how genetic data inform us about adaptations of humans and other primates. We will explore how natural selection molds primate genomes over time. Topics include the neutral theory of molecular evolution, the molecular clock concept and its

applications, evolution of multigene families, relationships between phenotypic and molecular evolution, the evolution of primate color vision genes, and human disease variants in an evolutionary context.

This year features a new small-group format with emphasis on active student participation and skill development including how to think critically about data. Students will have the opportunity to learn how to write a research paper including how to effectively research the scientific literature, develop an outline, avoid inadvertent plagiarism, and present the body of a developing research paper to peers in order to get useful feedback in time to modify their final papers.

### HEB 1562 The Behavioral Biology of Human Aggression

CourseID: 160455

Faculty:

Next Term Offered: 2018 Fall

Discussion focuses on aggression and violence as natural behaviors rather than as aberrations. We therefore consider explanations based in evolutionary theory, using ultimate and proximate perspectives. The course will refer often to animal examples. It will include discussion of war, fighting, sexual violence and domestic violence. Core principles will come from behavioral ecology, complemented by material from endocrinology, neurobiology, social anthropology, dual inheritance theory, behavioral genetics, social psychology, developmental psychology, political science, and international relations.

### HEB 1600 Evolutionary Genetics of Complex Human Traits

CourseID: 161269

Faculty:

Next Term Offered: 2018 Spring

An advanced seminar on complex human traits with a special focus on behavior. Topics will include human genetic variation as a consequence of our evolutionary history, what we can learn from model organisms, the genetics of domestication, complicating factors in the analysis of complex traits, issues of replicability in genetics and psychology, gene-by-environment interactions, human behavioral disorders, the genetic bases of language and cognition, and prospects for the reconstruction of past human behavior from genomic evidence.

### HEB 2312 Current Topics in Human Evolutionary Genetics

CourseID: 123208

Faculty:

Next Term Offered: 2018 Spring

Critical reading of current literature on the genetics of living humans and discussion of evolutionary implications.

### HEB 2430 Behavioral Biology Seminar

CourseID: 113411

Faculty: Richard Wrangham

Next Term Offered: 2018 Spring

Reading and discussion of current research in the behavioral ecology of humans and nonhuman primates. Emphasis placed on comparative and interdisciplinary approaches.

## South Asian Studies

### HIND-URD 101AB Hindi-Urdu for Reading Knowledge

CourseID: 156520

Faculty:

Next Term Offered:

A complete first year introduction, in one term, to the lingua franca of the subcontinent in its ``Hindustani'' form. Students are introduced to both the Perso-Arabic and the Devanagari script systems, encompassing all four skills: speaking, listening, reading and writing.

### HIND-URD 123 Bollywood and Beyond: Commercial Cinema, Language and Culture in South Asia

CourseID: 123790

Faculty:

Next Term Offered: 2018 Spring

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.

### SANSKRIT 201AR Advanced Philosophical Sanskrit

CourseID: 117524

Faculty:

Next Term Offered:

Topic to be announced.

### SAS 124 Introduction to World Mythology

CourseID: 128184

Faculty:

Next Term Offered:

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.

### SAS 131 South Asia: A Global History

CourseID: 160721

Faculty:

Next Term Offered:

This course provides a global perspective on modern South Asia, from the early twentieth century to the present day. It examines how South Asia has shaped the world, and how the world has shaped South Asia. Topics covered will include: the Indian freedom movement in global perspective; the migration and settlement of South Asian communities overseas; conflict and cooperation between South Asia's states—India, Pakistan, Bangladesh and Sri Lanka—and relations between South Asia, China and the United States. We will also examine the centrality of South Asia to the successes and failures of schemes of international health and development, and to global environmental politics in the twenty first century.

### SAS 178 Literature as History in South Asia

CourseID: 161264

Faculty:

Next Term Offered:

What can we learn about the history of modern South Asia from its literature? How have scholars read fiction and autobiography as an archive of the nation, gender, and colonialism? This seminar will explore several iconic as well as lesser known regional texts from the nineteenth and twentieth centuries. We will read these in conjunction with a body of historiography that methodologically and theoretically engages with literature as an important source for understanding the making of modern South Asia. Finally, we will consider how history-writing also developed as a contested genre of literature in the colonial and post-colonial periods. Students will be expected to conduct independent research and write seminar papers on a relevant topic.

### SAS 179 South Asia: Connected Histories, Interdisciplinary Frames

CourseID: 160761

Faculty:

Next Term Offered:

This course will proceed chronologically beginning with the period before colonial rule in order to trace linkages and ruptures in ideas about South Asia over time. We will focus on notions of place and identity—and their contestations—as the subcontinent experienced the shift from early modern forms of empire to colonial rule to anti-colonial and nationalist movements, and, more recently, new geopolitical configurations characterized by financial globalization, the “rise of Asia” and increased levels of migration. Readings will draw from anthropology, history, literary studies, political science, religious studies, and excerpts from primary sources.

### SAS 224 Rebirth and Karma

CourseID: 127811

Faculty:

Next Term Offered:

Discusses the origin and development of the seminal Indian concepts of Rebirth and Karma as well as their eventual combination in the Upanishadic period. Follows some of their developments in the subsequent texts and beliefs of the past 2500 years

### SAS 225 South Asia as Understood Through Its Regions

CourseID: 127829

Faculty:

Next Term Offered:

Topic for Spring 2016: Kashmir and Nepal.

### SAS 230 Environmental History of South Asia

CourseID: 160722

Faculty:

Next Term Offered:

This seminar explores approaches to the environmental history of modern South Asia. It is designed for graduate students preparing examination fields in Modern and Contemporary South Asian Studies and in South Asian History; it might also be of interest as a comparative perspective for those specializing in the environmental history of other parts of the world. Topics and readings will be

tailored to students' individual interests, but are likely to include: changing human interactions with the natural environment; the role of colonial and post-colonial states in environmental transformation; and the development of Indian environmental law and regulation.

### TAM 103AR Advanced Tamil

CourseID: 127495

Faculty:

Next Term Offered:

Continuation of Tamil 102. Covers topics of advanced grammar and is designed to further develop proficiency in speaking, listening, reading, and writing. Texts include modern literature, classical poetry, devotional literature, epic literature, and selections from minor literary forms. Films and other audiovisual materials will be used as well.

### TIBET 151 Era of the 5th Dalai Lama (1617-82): Ascendancy & Intellectual Climate of Dga' Idan pho brang Court

CourseID: 156455

Faculty:

Next Term Offered:

This course will examine the politics of the Dga' Idan pho brang court and the arts and sciences cultivated by the Fifth Dalai Lama and his governors (*sde srid*), with special attention given to Sde srid Sangs rgyas rgya mtsho (1653-1705). This will be a seminar-cum-reading course with readings taken from the Fifth Dalai Lama's autobiography, his and Sangs rgyas rgya mtsho's treatises on the astral sciences, and several "afterwords" (*par byang*) to the xylograph-publications that they sponsored.

### TIBET 203 Readings in Madhyamaka/Dbu ma

CourseID: 125167

Faculty:

Next Term Offered:

In this course, we will deal with Gser mdog Paṇ chen's (1428-1507) critique in selected passages from his *Dbu ma rnam nges rgya mtsho* of Tsong kha pa's (1357-1419) Madhyamaka position. To do so we will also aim to identify those passages from Tsong kha pa's oeuvre that are criticized in the context of the writings of their Indian Buddhist precursors.

**TIBET 204 Readings in Tibetan Narrative Literature**

CourseID: 160976

Faculty:

Next Term Offered:

In this class we will read Nyang ral's (d.1192) so-called Zangs gling ma biography of the Indo-Tibetan thaumaturge Padmasambhava (ca. 800) and use several recently discovered recensions through which this work has been transmitted. Special attention will be paid on interpreting the different readings that the manuscript dossier elicits.

## History

### HIST 13D Iran's Revolutions

CourseID: 159592

Faculty: Afsaneh Najmabadi

Next Term Offered: 2017 Fall

Iran witnessed two major revolutions in the twentieth century; the Constitutional Revolution in the first decade of the twentieth Century and the Islamic Revolution of 1979. Starting with the 1979 revolution, this seminar journeys back in time (and then to the present) to offer an overview of modern Iranian history. We will examine the major social, cultural, and political characteristics of the 1979 Revolution in relation to the history of Iran in the twentieth century and from a comparative perspective between the two revolutionary moments. We will then return to the present by examining the nature of the state and society that has resulted from the 1979 revolution.

### HIST 13E History of Modern Mexico

CourseID: 159613

Faculty: Kirsten Weld

Next Term Offered: 2019 Spring

This course explores the history of Mexico in the 19th and 20th centuries, emphasizing the importance of historical approaches to understanding critical phenomena in contemporary Mexican affairs. Topics covered include colonial legacies, race and ethnicity, the Mexican Revolution, the border, nation-building and development, Mexico-US relations, popular culture, economic crisis, the Zapatista rebellion, narco-violence and the "war on drugs," and migration.

### HIST 13J The British: A Cultural History

CourseID: 203056

Faculty: Maya Jasanoff

Next Term Offered: 2018 Fall

### HIST 70C Topics in Natural History

CourseID: 124485

Faculty: Daniel Smail

Next Term Offered: 2017 Fall

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.

### HIST 70J Byzantium between the Crusades and the Islamic World, c.1100-c.1450

CourseID: 108058

Faculty: Dimiter Angelov

Next Term Offered: 2018 Fall

The seminar focuses on the eastern Mediterranean in a period of economic integration and political fragmentation marked by the crusades, the expansion of the Italian maritime republics, western colonization, and the conquests of the Turks. How did the Byzantines react to the new unsettled world around them? What was the role of the newcomers? Special attention will be paid to the crusades, cross-cultural contacts, and the Mediterranean economy.

### HIST 79E Commodities in International History

CourseID: 125503

Faculty: Alison Frank Johnson

Next Term Offered: 2017 Fall

Introduces students to international history through the study of commodities ranging from oil, coal, and cotton to potatoes, rum, coffee, and sugar. 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.

### HIST 80A Roman Imperialism

CourseID: 122940

Faculty: Emma Dench

Next Term Offered: 2018 Spring

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.

### HIST 80G Travelers to Byzantium

CourseID: 108055

Faculty: Dimiter Angelov

Next Term Offered: 2019 Spring

This seminar is based on the fascinating firsthand accounts of travelers who visited Constantinople and other areas of Byzantine world. The texts will generate questions for discussion and research on a wide range of issues, such as Byzantine civilization, cross-cultural contacts in the Middle Ages, the practice and experience of travel, and the interrelationship of travel, ethnography, and politics. Sources will be chosen from among the works of western, Islamic, Jewish, and Russian travelers.

### HIST 84G Harvard and Slavery

CourseID: 110365

Faculty: Sven Beckert

Next Term Offered: 2018 Fall

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.

### HIST 84H The Northern Side of the Civil Rights Movement

CourseID: 123222

Faculty: Evelyn Brooks Higginbotham

Next Term Offered: 2017 Fall

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.

### HIST 84L Democracy and Education in Modern America

CourseID: 109407

Faculty: James Kloppenberg

Next Term Offered: 2018 Spring

The birth of contemporary American politics and our current regime of primary, secondary, and university education both date from the 1890-1930 period.

Focusing on psychology, philosophy, and political and educational reform, with particular emphasis on the writings of William James and John Dewey, this course examines the shaping of modern American democracy and education.

### HIST 86H Asia after Europe

CourseID: 107926

Faculty: Sugata Bose

Next Term Offered: 2019 Spring

The history of the decline and rise of a continent between 1813 and 2013 in the domains of economy, politics and culture.

### HIST 88B Medieval History and Cinema

CourseID: 126624

Faculty: Cemal Kafadar

Next Term Offered: 2018 Fall

This course deals with the challenges of representing medieval history by focusing on selected films, which will be viewed at two levels at once, as films and as history. What are the uses of cinema as a vehicle for thinking about the past? What qualities, other than accuracy, make for good history in films? What are the advantages, if any, of cinematic representation of the premodern past with its different sense of intimacy with the supernatural?

### HIST 89A British Colonial Violence in the 20th Century

CourseID: 120484

Faculty: Caroline Elkins

Next Term Offered: 2018 Spring

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.

## HIST 89J The United States and China: Opium War to the Present

CourseID: 107972

Faculty: Erez Manela

Next Term Offered: 2019 Spring

This research seminar will focus on the history of Sino-American relations and interactions since the Opium War (1840s). It will examine major episodes such as the Boxer intervention, the first and second world wars, the Korea and Vietnam wars, the Mao-Nixon rapprochement, and the post-Mao transformations, and explore central themes such as immigration, trade, culture, diplomacy, and security.

## HIST 97 Sophomore Tutorial

CourseID: 156953

Faculty:

Next Term Offered:

Please select a Sophomore Tutorial from the list below: History 97a through History 97i.

## HIST 97A "What is the History of Medicine?"

CourseID: 109926

Faculty:

Next Term Offered: 2018 Spring

The emergence of the science of medicine and its professionalization have been integral aspects of human history. The history of medicine allows us to trace the various traditions that have come together to create "modern medicine." In this section, students will examine the human endeavor to be healthy and to cure disease. The practice of medicine draws on changing ideas about the natural world and the body. It also demands interventions in the physical environment so as to maximize public health, and readily incorporates transformative technologies from other sectors of human society. Students will be asked to reflect on the interaction of medicine and culture through questions such as: How did western powers use biomedicine in the context of empire? How do non-western cultures appropriate and indigenize biomedicine?

## HIST 97F What is Material History?

CourseID: 109931

Faculty:

Next Term Offered: 2018 Spring

This section offers new History concentrators an overview of the history and anthropology of material culture. Our coverage will range widely across both time and space; major themes will include things created in the deep human past as well as the habits of consumption and even addiction that define our relationship with things in the present day. Do we own things? Or do things own us? Does having more stuff necessarily lead to happiness? Readings will offer students a chance to work not just with history and historical sources, but also art history, literary studies, archaeology, environmental history, and cognitive neuroscience.

## HIST 97G What is Legal History?

CourseID: 110444

Faculty:

Next Term Offered: 2018 Spring

Legal history has become a popular pursuit in recent decades, but what does it mean to do legal history? Do lawyers, who routinely review precedent or study the evolution of specific pieces of legislation, do legal history? Do judges, when they reconstruct past events in order to apply the law? Do historians, who use legal documentation? And how is legal history differently done in Europe and in the USA? This section will consider these questions (and others) by analyzing the various ways by which different scholars have approached the relationship between law and history over time, in different locations, and for different ends.

## HIST 97H "What is Urban History?"

CourseID: 110445

Faculty:

Next Term Offered: 2019 Spring

This section will explore the methods historians have used to understand the political, economic, and social development of cities and urban life over the past four centuries. How have historians approached the study of metropolitan regions and their inhabitants? What methods have they used to examine the ways in which social and spatial forms differ by time and place? How does urban history provide a unique vantage to analyze issues of class, ethnicity, migration, race, and gender? Readings and discussions will give special attention to cities and transformations in the United States, but we will draw comparative examples from the histories of

urban centers across the globe.

### HIST 97I What is Biography?

CourseID: 110446

Faculty: Jill Lepore

Next Term Offered: 2018 Spring

Biographers write histories of lives. Their storytelling is often novelistic but their standards of evidence are those of the historian. They confront distinctive questions: What lives are worth writing? What is the relationship between the individual and society? What rules govern the relationship between biographers and their subjects? How has the art of biography changed over the centuries, and what forces have driven those changes? In this section, we'll read both notable biographies and the critical literature on biography as a genre that is often seen to be at odds with the conventions of other kinds of historical writing.

### HIST 97J "What is Family History?"

CourseID: 160421

Faculty: Jane Kamensky

Next Term Offered: 2018 Spring

Every family has a history; every past actor had a family. This section investigates the practices and purposes of family history. We will explore primary sources such as diaries, child-rearing manuals, and portraits, and survey methods ranging from demography to cultural history to biography. Our topics will include the “invention” of childhood, the meanings of marriage, and the relationship between the household and the state. In addition to tracing the contours of family life across a wide array of times and places, we will investigate the ebbs and flows of family history itself, including the worldwide boom in amateur genealogy today.

### HIST 1010 History of the Prison

CourseID: 156019

Faculty: Elizabeth Hinton

Next Term Offered: 2019 Spring

This course provides an introduction to theories of social control, prison practices, and experiences of confinement. Our historical comparison of penal regimes from different time periods and different nations will explore fundamental questions about the purpose of government authority and the role of prisons in society. In the spirit of Nelson Mandela's famous observation that "no one truly knows a nation

"until one has been inside its jails," this course offers a deep and critical analysis of social exclusion, the contours of state power, and the malleability of the law and its function in various societies over time.

### HIST 1014 Gender & Empire

CourseID: 156553

Faculty: Genevieve Clutario

Next Term Offered: 2018 Spring

This course takes a cultural approach to connected histories and more contemporary developments of (post)colonial national identity formations, U.S. empire, and globalization during the nineteenth and twentieth centuries through the lenses of gender, race, and appearance. We will examine visual and performative cultural arenas such as beauty pageants, advertising, mass media, film, and video and investigate how discourses of racial and gendered aesthetics functioned in structuring and maintaining colonial forces and empire.

### HIST 1020 A Global History of Modern Times

CourseID: 114893

Faculty: Charles Maier

Next Term Offered: 2018 Fall

Think big: A historical survey of world societies since the 16th century "encounters," designed to emphasize their interactions and interdependence. Covers transnational forces such as demographic change and migration, religious revivals, industrial development, and upheavals in class, racial and gender relationships. Also follows comparative political transformation within empires and states and the international hierarchies of power, including the impact of the great revolutions, imperialism and war, trade and investment, and cultural diffusion.

### HIST 1030 Studying Twentieth-Century American History: An Introduction

CourseID: 110490

Faculty: Brett Flehinger

Next Term Offered: 2018 Fall

Introduces students to historical study by focusing on selected topics in Twentieth-Century American history. The course teaches students how to use the systematic patterns of thought that historians use to recreate and analyze the past. These are patterns of thought common among all historians and the skills and experiences gained will provide students a way to enter historical study across

time and geography. Topics include, the history of race-based disfranchisement, the Dust Bowl, the history of birth control, Thoreau's influence on twentieth-century reform movements, and others.

### HIST 1060 Europe and Its Borders, 950-1550

CourseID: 156546

Faculty: Daniel Smail

Next Term Offered: 2017 Spring

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, and central Asia. 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.

### HIST 1067 An Introduction to the History of Economic Thought

CourseID: 127819

Faculty: Emma Rothschild

Next Term Offered: 2016 Fall

The course provides an introduction to the history of economic thought, from Huan K'uan to Adam Smith, Karl Marx and Paul Samuelson; and to economic concepts in historical perspective, from the state and the market to natural resources and financial crises.

### HIST 1068 United Nations: A Global History

CourseID: 110511

Faculty: Emma Rothschild

Next Term Offered: 2017 Fall

Explores the history of international organizations, including activities concerned with economic development, security, and environment. Taught in conjunction with the development of new web-based sources on United Nations history.

### HIST 1206 Empire, Nation, and Immigration in France since 1870

CourseID: 109409

Faculty: Mary Lewis

Next Term Offered: 2017 Fall

This course explores the history of France from the foundation of the Third Republic to the beginning of the 21st century. Topics include the advent of modern left-wing, right-wing, and anti-Semitic politics; imperial expansion and its consequences; the devastating impact of the First World War; the tumultuous interwar era; the Second World War and the politics of resistance, collaboration, and memory; decolonization; the May 1968 movement; immigration and identity politics since the 1970s.

### HIST 1266 Central Europe, 1789-1918: Empires, Nations, States

CourseID: 120895

Faculty: Alison Frank Johnson

Next Term Offered: 2017 Fall

Examines the development of nationalism and socialism as ideologies intended to shape group loyalties, 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).

### HIST 1300 Western Intellectual History: Greco-Roman Antiquity

CourseID: 119533

Faculty: James Hankins

Next Term Offered: 2018 Fall

A survey of major themes in the intellectual history of the Greek and Roman World, with special attention to metaphysics, psychology, ethics and the philosophic life. Readings in the Presocratics, Plato, Aristotle, Lucretius, Epictetus, Cicero, Seneca, Marcus Aurelius, Plotinus, Augustine, and Boethius.

### HIST 1301 Western Intellectual History II: The Prehistory of Modern Thought

CourseID: 119534

Faculty: James Hankins

Next Term Offered: 2019 Spring

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.

## **HIST 1318 History of the Book and of Reading**

CourseID: 121374

Faculty: Ann Blair

Next Term Offered: 2017 Fall

An introduction to the cultural history of the book and its functions as both material object and text. Major themes include the techniques of book production, authorship, popular and learned readership, libraries and censorship. The course surveys developments from scroll to web with a special focus on printing and developments in early modern Europe, 16th-18th centuries.

## **HIST 1390 Understanding Democracy through History**

CourseID: 120921

Faculty: Alex Keyssar

Next Term Offered: 2018 Spring

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.

## **HIST 1400 Introduction to American Studies**

CourseID: 109441

Faculty: Jill Lepore

Next Term Offered: 2018 Spring

The course is designed primarily for students interested in further study in the field, but all students are welcome. We cover topics, from the seventeenth- to the twenty-first century, in political, social, intellectual, and cultural history. Students read both primary and secondary materials, and receive intensive guidance for their writing.

## **HIST 1513 History of Modern Latin America**

CourseID: 108533

Faculty: Kirsten Weld

Next Term Offered: 2018 Fall

This course surveys Latin America from its 19th-century independence movements through the present day. How did the powerful legacies of European colonialism, and the neocolonial economic order that emerged to replace it, shape the Americas' new nations? Themes include nationalism and identity, revolution and counterrevolution, populism, state formation, race and ethnicity, gender and sexuality, social movements, the role of foreign powers, inequality and social class, dictatorship, democratization, and human rights.

### HIST 1701 West Africa from 1800 to the Present

CourseID: 140979

Faculty: Emmanuel Akyeampong

Next Term Offered: 2019 Spring

The course explores the internal dynamics of West African states from 1800, and West Africa's relations with the wider world. Innovations in science, technology and finance made the 19th century an era of social and economic opportunity and of political experimentation; a phase curtailed by European imperialism. The course examines African perspectives on colonialism, the two world wars, nationalism, and the transfer of political power. We will review post-colonial political economies and the search for workable political and economic models.

### HIST 1704 Slavery and Slave Trade in Africa and the Americas

CourseID: 114917

Faculty: Emmanuel Akyeampong

Next Term Offered: 2017 Fall

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.

### HIST 1878B Ottoman State and Society II (1550-1920)

CourseID: 148158

Faculty: Cemal Kafadar

Next Term Offered: 2018 Spring

Surveys the transformations of the Ottoman order in the Middle East and southeastern Europe in the early modern era and in the long nineteenth century until the demise of the state. Topics include changes in the conduct of state; social and religious movements; the impact of the new world economy and new trade routes; relations with Europe; emergence of nationalism; the 'Eastern Question.' Ethnic and religious diversity, 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.

### HIST 1911 Pacific History

CourseID: 107925

Faculty: David Armitage

Next Term Offered: 2017 Fall

The Pacific Ocean covers a third of the Earth's surface and one-third of humanity lives on its shores and islands, from Russia to New Zealand and from Southeast Asia to South America. This seminar introduces students to oceanic and global history via works in Pacific history by scholars of the Pacific Islands, Asia, Australasia, Europe, and the Americas. Themes covered include cultural encounters, exploration, migration, history of science, geopolitics, and economic history.

### HIST 1914 The History of Environmental Activism

CourseID: 159654

Faculty: Joyce Chaplin

Next Term Offered: 2018 Spring

Why do some human beings step forward to defend the non-human? It has been unusual, in human history, to express concern for the non-human parts of nature; to do something politically relevant with that concern is rarer still. In this class, we will examine the history of why and how people have done both. We will trace the origins of environmental ideas, broadly defined, and then the historical processes by which activism on behalf of the environment has become part of national and global cultures. As well, we will analyze different media and modes for expressing environmentalist action, as they have developed over time. And we will interrogate the character and role of the activist.

### HIST 1915 The Nine Lives of Benjamin Franklin

CourseID: 119039

Faculty: Joyce Chaplin

Next Term Offered: 2019 Fall

Examines the eighteenth century through some of the many lives of Benjamin Franklin. Students analyze 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, social reform, personal improvement, and many others.

### HIST 1916 The History of Evidence

CourseID: 110442

Faculty: Jill Lepore

Next Term Offered: 2017 Fall

This course will examine the rules and standards of evidence in law, history, science, and journalism. What counts as proof in these fields varies and has changed over time, often wildly. Emphasis will be on the histories of Western Europe and the United States, from the middle ages to the present, with an eye toward understanding how ideas about evidence shape criminal law and with special attention to the rise of empiricism in the nineteenth century, the questioning of truth in the twentieth, and the consequences of the digital revolution in the twenty-first. Topics will include the histories of trial by ordeal, trial by jury, "spectral evidence," "negro evidence," case law, scientific testimony, footnotes, the polygraph, statistics, anonymous sources, fact checking, and big data.

### HIST 1925 Europe and its Other(s)

CourseID: 109437

Faculty: Tamar Herzog

Next Term Offered: 2018 Fall

This course examines how Europeans interacted with those they considered different inside and outside Europe during the Medieval and the Early Modern periods. Reading will alternate between primary and secondary sources.

### HIST 1930 Literature and Social History: A View from Brazil

CourseID: 159656

Faculty: Sidney Chalhoub

Next Term Offered: 2018 Spring

The objective of this course is to study major authors and works of nineteenth-century Brazilian fiction. Writing fiction from a spot deemed to be in the

“periphery” of the western world meant a difficult and complex engagement with European literary and intellectual traditions. The course will focus primarily on the evidence regarding changes in the politics of social dominance in the period –from slavery and paternalism to the worlds and meanings of “free” labor. Questions of class, gender and race in the general context of defining and setting new limits of citizenship rights will be emphasized.

### HIST 1931 Slavery, Disease and Race: A View from Brazil

CourseID: 159657

Faculty: Sidney Chalhoub

Next Term Offered: 2018 Fall

Slavery and emancipation were major issues in nineteenth-century Brazilian history. In the 1870's and 1880's, with the drama of emancipation unfolding, yellow fever meant death to European immigrants and a major obstacle to achieving a social configuration that valued the whitening ideal and excluded people of African descent from social and economic opportunities. Although the primary focus of this course is Brazil, students may opt to write a final paper that compares an aspect of the social history of slavery and/or race and/or disease in Brazil and another nation or region. Class materials will include a range of primary sources.

### HIST 1964 International History: Empires, State Systems, and International

#### Organizations

CourseID: 119143

Faculty: Charles Maier

Next Term Offered: 2018 Fall

A comparative approach to the history of international relations, including theories of war and peace; imperial, hegemonic and other orders; the protection of minorities and human rights; and the enforcement of transnational norms. Readings will include theoretical as well as historical texts.

### HIST 1965 International History: States, Markets, and the Global Economy

CourseID: 120542

Faculty: Charles Maier

Next Term Offered: 2018 Fall

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.

### HIST 2055 Early Medieval History, Archaeology and Archaeoscience: Seminar

CourseID: 114862

Faculty: Michael McCormick

Next Term Offered: 2017 Fall

Joint philological analysis of Latin texts, archaeological and scientific evidence illuminating the fall of Rome and the origins of medieval Europe, culminating in a research paper.

### HIST 2113 Dante in Contexts: Seminar

CourseID: 156059

Faculty: James Hankins

Next Term Offered: 2019 Spring

The greatest poet of the Middle Ages, Dante was also a philosopher and theologian, a theorist of language, and a political thinker. In this course we will read through the entire corpus of Dante's works, examining each in a different context. The contexts will include the literary traditions of courtly love and true nobility, scholastic philosophy and theology, contemporary history and political theory. The reception of Dante's works in the Renaissance and later times will also be considered.

### HIST 2250 Interpreting Europe's Twentieth Century: Seminar

CourseID: 108079

Faculty: Charles Maier

Next Term Offered: 2017 Fall

Historical and theoretical analyses of crises and transformation: critiques of liberalism; fascism and communism; legacies of world war and empire; postwar institutional constructions including the EU; ideological revival from the 1960s to the collapse of communism; the rise and attrition of a European civil society.

### HIST 2277 Eastern Europe: Peoples and Empires: Proseminar

CourseID: 109605

Faculty: Serhii Plokhi

Next Term Offered: 2018 Spring

This course is an introduction to major themes and debates in the early modern and modern history of the "other Europe." Its main focus is on the histories of European Russia, Ukraine, Belarus, Lithuania, and Poland. Readings discuss international and political developments in the region and their impact on the formation of imperial, national, religious and cultural identities from the rise of Reformation to the collapse of Communism. The course is designed to prepare students for a general exam field in East European history. It is open to graduate and advanced undergraduate students working on a senior thesis.

### HIST 2300 Methods in Intellectual History: Proseminar

CourseID: 124505

Faculty: David Armitage

Next Term Offered: 2017 Fall

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.

### HIST 2340A Readings in American Intellectual History

CourseID: 111493

Faculty: James Kloppenberg

Next Term Offered: 2017 Fall

This course examines classic texts in American intellectual history from 1630 to the present, both primary and secondary, and surveys recent developments in the field. It is intended for first- and second-year graduate students preparing for general exams in history and for other graduate students in fields such as American Civilization, Government, Law, Literature, Religion, and Education. Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

### HIST 2340B Readings in American Intellectual History

CourseID: 160383

Faculty: James Kloppenberg

Next Term Offered: 2018 Spring

This course examines classic texts in American intellectual history from 1630 to the present, both primary and secondary, and surveys recent developments in the field. It is intended for first- and second-year graduate students preparing for general exams in history and for other graduate students in fields such as

American Civilization, Government, Law, Literature, Religion, and Education. Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

### HIST 2341A American Intellectual History: Seminar

CourseID: 127939

Faculty: James Kloppenberg

Next Term Offered: 2017 Fall

This course is intended for graduate students who wish to supplement the reading of primary and secondary sources in American intellectual history with the preparation of a research paper. Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

### HIST 2341B American Intellectual History: Seminar

CourseID: 160384

Faculty: James Kloppenberg

Next Term Offered: 2018 Spring

This course is intended for graduate students who wish to supplement the reading of primary and secondary sources in American intellectual history with the preparation of a research paper. Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

### HIST 2400 Readings in Colonial and Revolutionary America: Proseminar

CourseID: 114881

Faculty:

Next Term Offered: 2017 Fall

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.

### HIST 2474 Law and Social Reform in 20th Century U.S. History: Seminar

CourseID: 109429

Faculty: Tomiko Brown-Nagin

Next Term Offered: 2018 Spring

This seminar considers issues in 20th-century movement for social reform from the perspective of legal history and the legal profession. It emphasizes matters of race, class and gender inequality and readings cover the black freedom struggle, women's rights, the labor movement and anti-poverty struggles. Students read legal cases and works of historical and legal scholarship.

### HIST 2475 Legal History Workshop

CourseID: 109873

Faculty: Tomiko Brown-Nagin

Next Term Offered: 2017 Fall

This workshop will examine major works in the field of legal history, important historiographical debates and critical methodologies. Students will participate in workshop presentations by leading scholars.

### HIST 2477 History of American Economic Regulation: Seminar

CourseID: 156896

Faculty: Kenneth Mack

Next Term Offered: 2018 Spring

This course examines the history of capitalism in America, viewed through the lens of debates over regulation of economic activity. Beginning in the early days of the republic, it will examine the role of law in capitalist development, focusing on debates over the regulation of corporations, banking and the financial system, antitrust, and administrative law, continuing through the regulatory reforms of the New Deal. It will then examine movements for deregulation, the roots of the financial crisis, and recent proposals to regulate banks and other financial institutions. The course will examine the social, institutional and intellectual history of economic regulation.

### HIST 2480HF The Political Economy of Modern Capitalism: Seminar

CourseID: 117955

Faculty: Sven Beckert

Next Term Offered: 2017 Fall

A year-long research and reading course on the history of capitalism during the past 300 years.

## **HIST 2484B Crime and Punishment in the History of the Americas: Seminar**

CourseID: 205192

Faculty:

Next Term Offered:

Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## **HIST 2495 Politics and Social Movement in the 20th Century United States:**

### **Research Seminar**

CourseID: 126555

Faculty: Lisa McGirr

Next Term Offered: 2017 Fall

Seminar culminating in the production of an article length essay based on primary research. Students will conduct research into significant topics at the intersection of the state and civil society in the twentieth-century United States.

## **HIST 2511 Rethinking the Archive: Proseminar**

CourseID: 109563

Faculty: Kirsten Weld

Next Term Offered: 2019 Spring

This seminar provides a critical examination of the documentary and archival forms that lie at the heart of historical knowledge production. Readings span disciplinary boundaries, geographic regions, and time periods.

## **HIST 2638 Readings in Modern Chinese History: Proseminar**

CourseID: 159563

Faculty: Arunabh Ghosh

Next Term Offered: 2018 Fall

This Pro-Seminar will examine developments in the field of modern Chinese history, with a particular focus on the twentieth century. Our principal goal is to gain some familiarity with the historical debates and methodological approaches that have given shape to the field. Readings will aim to achieve a balance between classics in the field and contemporary scholarship. Topics covered include empire and semi-colonialism, rebellion and revolution, nationalism, civil society and public sphere, economic development, war, science and technology, foreign relations, and foreign relations.

This Pro-Seminar is particularly recommended for students planning an examination field in modern Chinese history. Reading knowledge of Chinese is recommended but not required; students must have some prior coursework in Chinese history.

## HIST 2707 Comparative Slavery & the Law: Africa, Latin America, & the US: Seminar

CourseID: 159554

Faculty: Emmanuel Akyeampong

Next Term Offered: 2018 Fall

This seminar surveys the booming historiographies of slavery and the law in Latin America, the United States, and Africa. Earlier generations of scholars relied heavily on European legal traditions to draw sharp contrasts between U.S. and Latin American slavery. The most recent scholarship, however, approaches the legal history of slavery through slaves' legal initiatives and actions. These initiatives were probably informed by the Africans' legal cultures, as many of them came from societies where slavery was practiced. Our seminar puts African legal regimes (customary law, Islamic law) at the center of our explorations concerning slaves' legal actions in the Americas.

## HIST 2708 Sources, Methodology, and Themes in African History: Seminar

CourseID: 117941

Faculty: Emmanuel Akyeampong

Next Term Offered: 2019 Spring

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.

## HIST 2709 Themes in Modern Sub-Saharan African History: Proseminar

CourseID: 116161

Faculty: Caroline Elkins

Next Term Offered: 2019 Spring

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.

## **HIST 2725 History and Anthropology: Seminar**

CourseID: 110313

Faculty: Vincent Brown

Next Term Offered: 2018 Spring

Explores exchanges between the disciplines of History and Anthropology, emphasizing overlaps and distinctions in the treatment of mutual concerns such as the representation of time and space, the conceptualization of power, and the making of the subject.

## **HIST 2805 Gender & Sexuality: Comparative Studies of Islamic Mid. East, N. Africa, & S. Asia: Proseminar**

CourseID: 119090

Faculty: Afsaneh Najmabadi

Next Term Offered: 2018 Spring

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 and East Asia.

## **HIST 2884 Topics in Ottoman Social and Cultural History: Seminar**

CourseID: 147101

Faculty: Cemal Kafadar

Next Term Offered: 2018 Spring

Topic to be announced.

## **HIST 2885 Introduction to Archival Research in Ottoman History: Proseminar**

CourseID: 120701

Faculty: Cemal Kafadar

Next Term Offered: 2019 Spring

A survey of archival collections related to Ottoman history. Introduction to the archives of the central government, pious endowments, provincial administrations, and court records.

**HIST 2951 The Environmental Turn in History: Seminar**

CourseID: 128257

Faculty: Ian J. Miller

Next Term Offered: 2018 Fall

A critical exploration of history's "environmental turn." This course tracks the movement of environmental themes to the center of the discipline and the emergence of environmental history as an important new subfield. Readings will range from classics to cutting-edge new work.

## History of Science

### HISTSCI 100 Knowing the World: An Introduction to the History of Science

CourseID: 123398

Faculty: Alex Csiszar

Next Term Offered: 2017 Fall

What are the origins of modern science and of the scientific method? Have the ways of knowing the world of different cultures and societies changed over time? How has scientific knowledge been related to other enterprises such as art, religion, literature, and commerce? We will ask these questions and more through a broad survey of many of the crucial moments in the development of science from the Scientific Revolution of the 17th century to the present day. Topics and figures will include Galileo, evolution, eugenics, the atomic bomb, and the human genome project.

### HISTSCI 115 Instruments & Mechanical Marvels: Studies in the Material Culture of Science, 17th-20th Century

CourseID: 156531

Faculty: Jean-Francois Gauvin

Next Term Offered:

This course is dedicated to the work of one historian of science who has considerably influenced our methods of studying and thinking about material culture. This Fall, we will focus on Simon Schaffer's body of work, the 2013 Sarton medal recipient. His extensive scholarly, grand public, and media productions span the period between the 17th and the 20th century, offering a comprehensive look at things from a variety of perspectives: theoretical, technological, sociological, cultural, experimental, and museum studies. The classes will consist of half lecture, half discussion. We will try to answer this simple, yet loaded question: What is an instrument? There will be two short assignments and one final study of an instrument coming from the Collection of Historical Scientific Instruments.

### HISTSCI 117 Inventing Science: Stars, Bodies, Books, and Beasts, 1500-1700

CourseID: 205189

Faculty:

Next Term Offered:

Between 1500 and 1700, a number of hugely consequential things happened in Europe that have traditionally and collectively been called revolutionary –the Scientific Revolution. Copernicus and Galileo reconfigured the cosmos, Vesalius exposed the inner workings of the human body, Bacon and Descartes debated the fundamentals of scientific truth, and Newton reformulated the mathematical and physical world. But how should we understand events like these? Was there really a Scientific Revolution and did it really invent science? In this course, we will relate the classical moments associated with the early modern history of science to new scholarship that will allow us to ask questions about this so-called revolution's relationship to ancient and medieval science, the development of the arts in the Renaissance, the impact of print, the politics of European imperial projects, early tensions between science and religion, and the growth of new traditions of observation, empiricism, and rationalism in fields such as astronomy, medicine, and natural history.

### HISTSCI 133V Evolution, 1800-1900: Writers and Readers

CourseID: 205388

Faculty:

Next Term Offered:

On the Origin of Species had just appeared, in November 1859, and already commentators throughout Europe pointed out that what Darwin had said was not that new. Scholars now agree that, in the course of often unproductive arguments on this front, “forerunners” were often made to say things they never meant. Nevertheless, it is the case, that from the last decades of the Eighteenth Century, throughout Europe and the United States, a variety of authors –philosophers, naturalists, printers and publishers, journalists, clergymen –engaged in debates on life, its origin and possible changes or transformations. The class will put the so-called Darwinian revolution in context by examining and discussing the larger conversations of the time on this issue, examining both well-known thinkers (Lamarck, Darwin, Haeckel), and ones who are currently less-known. In the course of our work, we will challenge in particular the view that educated and popular opinion had to wait for the big men of science for enlightenment on nature’s processes.

### HISTSCI 144 Medical Technologies in Historical Perspective

CourseID: 159730

Faculty: Evelynn Hammonds

Next Term Offered:

The course examines the ways in which various medical technologies shaped and were shaped by physician and nurse practices and goals as well as ideas about

patient care in American medicine from the 19th-century to the present. We will look at how the meanings attached to medical technologies grew out of specific historical, social, political and medical contexts. Medical technologies examined include: imaging machines; clinical, diagnostic and genetic tests; reproductive technologies; and artificial organs.

## HISTSCI 166 What is Enlightenment?: Science, Religion, and the Making of Modernity

CourseID: 109003

Faculty:

Next Term Offered:

From Immanuel Kant's answer to this question in 1784 to Michel Foucault's engagement with the same question and answer in 1984, two centuries had passed and much water had flowed under the bridge. From the inception of its ideals in the Anglo-Saxon world in the seventeenth century at the hands of Spinoza, John Locke and Isaac Newton, to its development in France in the eighteenth century by Voltaire, Montesquieu and Rousseau and culmination with the writings of Immanuel Kant, the Enlightenment developed into an important intellectual movement which helped shape modernity and its repercussions in the contemporary world. This course will trace the history of Enlightenment in primary sources, enriched by a collection of secondary readings, and will explore contemporary reflections on Enlightenment from various schools of thought, ranging from romanticism to marxism, and from feminism to postmodernism. Some of the themes addressed include the politics of the Enlightenment, philosophy and morality, rationalism and empiricism, science and education, and religion and toleration.

## HISTSCI 179 The Freudian Century

CourseID: 109859

Faculty: Elizabeth Lunbeck

Next Term Offered:

Explores the consolidation and rise to prominence of a distinctively modern psychological perspective on human nature, motivation, and desire from 1900 to the present. Opens with the debut of therapeutic culture and the Freudian recasting of the self, with attention to dreams, sexuality, interiority, gender, and cultures of trauma. Moves to the mid-century period and beyond, the heyday of the psychological perspective in the United States, looking at the psychology of affluence, the invention of "identity," the new narcissism, and personalities and power in the workplace. Ends with an assessment of the virtues and liabilities of the 21st century expressive self.

## HISTSCI 180 Science, Technology, and Society in Modern East Asia

CourseID: 124589

Faculty:

Next Term Offered:

This course aims to survey the history of science and technology in East Asian countries - China, Japan and Korea - since the late 19th century. It will emphasize the mutual influence between science &technology and society to answer how they become major industrial powers in the 21st century.

## HISTSCI 181 Humans in Space: Past, Present, Future

CourseID: 160334

Faculty: Matthew Hersch

Next Term Offered:

This lecture course will survey the history of spaceflight, beginning with ancient anticipations and ending with space travel in the twenty-first century and beyond. From high-altitude ballooning and airplane flight to rocketry and interplanetary travel, we will both trace the development of technologies humans have used to leave their home planet, and place these technologies within the context of political, economic, and social change. The course will also examine how the development of space vehicles was accompanied by transformations of the human body and mind, from the development of high-altitude pressure suits to the rise of space psychology.

## HISTSCI 184 Nanocultures

CourseID: 127625

Faculty:

Next Term Offered:

Beginning with the history of miniaturization, this course analyzes the cultural impact of the increasing smallness and invisibility of devices that play an important role in our lives. From the first computers to nano-technology we have experienced the continual shrinkage of devices of increasing power and significance. This course will examine the role of tiny technologies in communication, surveillance, warfare, medicine, and engineering, examining their social, cultural, political, environmental, legal, and economic impacts.

## HISTSCI 200 Knowing the World: Studying the History of Science

CourseID: 107754

Faculty: Alex Csiszar

Next Term Offered:

This is the graduate section to History of Science 100, Knowing the World: An Introduction to the History of Science.

## HISTSCI 246 History and Anthropology of Medicine and Biology

CourseID: 108519

Faculty:

Next Term Offered:

Explores recent historical and anthropological approaches to the study of life in both medicine and biology. Topics include: natural history and medicine before the emergence of biology; the history of heredity and molecular biology; race and medicine in the colonies and the metropole; bioeconomic exchange; old and new forms of biopower at molecular, organismic, and global scales. The seminar trains students to engage in scholarly debates in the humanities, social sciences, and natural sciences about the nature of life, the body, and biomedicine. Co-taught with Professor Stefan Helmreich (MIT Anthropology); the class will meet at Harvard.

## HISTSCI 252 Sciences of History

CourseID: 160522

Faculty:

Next Term Offered:

What is historical method, and in what sense might history be made a science? Proposed answers to these questions have varied over time, in part according to changing conceptions of science and its methods. Course topics will include concepts of the event, agency, and causation; the constitution and use of archives; quantitative approaches to history; values of objectivity and completeness; and big history. Emphasis, not exclusive, on how historians of science have approached these historiographical problems.

## HISTSCI 253 Bioethics, Law, and the Life Sciences

CourseID: 122616

Faculty:

Next Term Offered: 2018 Spring

Seeks to identify and explore salient ethical, legal, and policy issues - and possible solutions - associated with developments in biotechnology and the life sciences.

### HISTSCI 261 Ethnography of Science and Technology

CourseID: 108933

Faculty: Sophia Roosth

Next Term Offered:

This course surveys monographs in the ethnography of science, both canonical and current. How have the methods and tools of the interpretive social sciences been applied to cultures of science and technology? What is the relation of description to analysis in ethnographies of science? How do such ethnographies approach theory-building and interpretation? Beginning with early work in the sociology of scientific knowledge and laboratory studies, students will read work in feminist science studies, field and environmental studies, multi-sited ethnography, sensory ethnography, and ethnographic accounts of digital worlds. Throughout, pressure will be placed on issues of method, style, and representation.

### HISTSCI 283 Sources and Methods in the History of Technology

CourseID: 160503

Faculty:

Next Term Offered:

Intended for graduate students, this seminar provides a comprehensive introduction to the field of history of technology and surveys its canonical works. Readings by authors like Thomas Hughes, Jennifer Light, and Fred Turner will explore the evolving histories of industrialization, computing, military and aerospace technologies, gender and technology, and other areas of student interest. Students will also gain experience working with primary sources, including archival documents, oral histories, popular media, memoirs, and material culture. At the conclusion of the term, each student will prepare a research prospectus suitable for a grant application or future work in the field.

### HISTSCI 289 Entangled Objects: Or the Stuff of Science, Culture, and Society

CourseID: 107818

Faculty:

Next Term Offered:

This course focuses on things: from Medieval reliquaries to the modern clocks and big data. Its aim is to look at objects from a variety of angles (science, anthropology, art, cultural studies) and to investigate what makes them such powerful anchors--actors--of our daily lives. The readings and discussions will provide a strong theoretical background to the final assignment: designing and mounting a temporary exhibit.

## HISTSCI 292 The Physics of Fiction: Pynchon, Narrative, Theory

CourseID: 127069

Faculty: Peter Galison

Next Term Offered:

This course focuses on an extraordinary body of work by Thomas Pynchon, including "Entropy," "Crying of Lot 49," "Gravity's Rainbow," and "Mason and Dixon." By studying this work we explore Pynchon's vision of modernity, but also important themes in the history of science and in philosophy. We will grapple with communication, surveying, and weaponization of science in the twentieth century on the one hand, and with clashing accounts of explanation on the other. How (for example) does one explain the pattern of V2 rocket-bombs exploding around London in World War II? Do we learn about the location of future detonations from the ones that come earlier as Pavlov might have had it? Or is the world, at root, inextricably random, with events utterly independent one from the other as Poisson would say? Such reflections on the world--and they extend through identity, love, war, and materiality-- feed back into the very nature of writing itself, and in the final sessions of the seminar, we will turn to literary-philosophical questions such as this: How, in the absence of causality and continuity, does narrative itself function? What might be a postcausal (postmodern) novel? Along with Pynchon's original text, we will read widely in the history of technology, warfare, science, literary theory, and philosophy.

## Health Policy

### HLTHPOL 3010 First-Year Graduate Reading Course: Ethics

CourseID: 126229

Faculty:

Next Term Offered:

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.

### HLTHPOL 3020 Graduate Reading Course: Political Analysis

CourseID: 112732

Faculty:

Next Term Offered: 2018 Spring

Graduate research course covering major topics in health politics and survey research. This course is designed to help students in the Political Analysis track of the Health Policy PhD program prepare for their concentration exam.

### HLTHPOL 3060A Research Seminar in Decision Sciences

CourseID: 119676

Faculty:

Next Term Offered:

Explores key conceptual and methodological issues relevant to research in health decision sciences. Faculty members and invited speakers will assign readings and present examples of theoretical and applied work. Students are required to participate in class discussion and to present their own research work in progress. Part one of a two-part series.

## Humanities

### HUMAN 11C Frameworks: The Art of Reading

CourseID: 109856

Faculty: Michael J. Puett

Next Term Offered:

This course introduces "reading" as a wide-ranging practice of interpretation, applicable to social phenomena and historical narratives as well as to literary texts. Participants in this introduction to the humanities will examine a range of texts, from poems and political journalism to graphic novels and blogs, both to practice close and subtle reading and to see how these texts seek to establish rules for their own interpretation. Rather than look at a particular artistic tradition or literary history, we will develop a set of "all-terrain" interpretive skills that can be deployed on a range of intellectual and cultural objects.

### HUMAN 52 Human History

CourseID: 156633

Faculty: Maya Jasanoff

Next Term Offered:

Five hundred years of world history through the prism of twelve encounters between "the West" and "the Rest" -- beginning with the clash between Portuguese buccaneers and Chinese eunuchs in 1517 and ending yesterday. Human History takes globalization personally, but views it from at least two very different perspectives--those of the professors. (We also show how to resurrect the dead.)

### HUMAN 53 Revolution, Reform and Conservatism in Western Culture

CourseID: 160423

Faculty: W. Simpson

Next Term Offered:

What is the function of literary texts in moments, from Plato to the Russian Revolution, that promise total, enlightened societal transformation? Each week, this course will focus on two texts related to selected ``revolutionary'' moments, one philosophical and one literary. Literary texts do not participate easily in the revolutionary order. They resist the textual simplicities of philosophy. Which do we trust: philosophy or literature? Texts include many found in traditional ``Great

Books" courses: Plato, Virgil, Augustine, Dante, Luther, Milton, Swift, Rousseau, Twain, Kant, Marx, and Chekov, among others.

## Sanskrit and Indian Studies

INDN-ST 222 Introduction to Middle Indic (Prakrits and Pali): Seminar

CourseID: 127587

Faculty:

Next Term Offered:

This course delineates the developments from Vedic/Classical Sanskrit to the languages in Middle Indic form including Pali and various Prakrits: Ardhamagadhi, Sauraseni, Magadhi, Gandhari, Maharastri, Jaina-Maharastri. Epic Sanskrit will briefly be looked into. Selections from texts and inscriptions in these languages will be read. Spring Semester 2011.

## Linguistics

### LING 73C Beginning ASL III

CourseID: 205111

Faculty:

Next Term Offered:

ASL III is designed for students who have completed ASL levels I and II. Students come to ASL III with an understanding of the fundamentals of ASL comprehension and production. These foundational courses (ASL I and II) introduce students to the language using a natural acquisition approach without explicit focus on grammatical rules. ASL III has an increased focus on the appropriate ways to converse with members of the Deaf community. In this class, students will learn how to tell stories that adhere to the pragmatic and linguistic standards of the Deaf community with a focus on stylistically appropriate production. In this class, students will learn how to engage with members of the Deaf community in respectful and culturally appropriate ways. In addition to fostering language development, we will discuss the history and culture of the Deaf community.

### LING 108 Introduction to Historical Linguistics

CourseID: 123850

Faculty:

Next Term Offered: 2018 Spring

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.

### LING 114 Morphological Theory

CourseID: 111957

Faculty:

Next Term Offered: 2017 Fall

This course provides an intensive introduction to morphological theory. Students will be introduced to current research and areas of debate in morphology proper, in morpho-syntax, and in morpho-phonology.

## **LING 118 Historical and Comparative Linguistics**

CourseID: 112099

Faculty:

Next Term Offered: 2018 Spring

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: NOT OPEN TO STUDENTS WHO HAVE TAKEN LING 108**

## **LING 130 Psycholinguistics: Seminar**

CourseID: 128097

Faculty:

Next Term Offered: 2017 Fall

A survey of current psycholinguistics research 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.

## **LING 146 Syntax and Processing**

CourseID: 122516

Faculty:

Next Term Offered: 2018 Spring

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?

## **LING 152 Prosody and Intonation**

CourseID: 123619

Faculty:

Next Term Offered: 2018 Spring

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.

### LING 160 Psychology of Language

CourseID: 156739

Faculty:

Next Term Offered: 2018 Spring

How do children manage to learn the sounds, the words and the grammar of their native language in three years or less? Does the language that we speak change how we think? What happens in the mind (and brain) that allows us to convert sound into meaning during language comprehension (and meaning into motor movements during language production)? Why are human languages similar to each other in some ways, and what allows them to vary in others? We will explore these questions integrating the perspectives of linguistics, psychology and cognitive neuroscience.

### LING 168 Introduction to Germanic Linguistics

CourseID: 122755

Faculty:

Next Term Offered: 2018 Spring

An introduction to the comparative and historical linguistics of the Germanic family, with emphasis on Gothic and the early medieval languages.

### LING 174 Tense and Aspect in Japanese

CourseID: 123350

Faculty:

Next Term Offered: 2018 Spring

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.

## LING 185R Issues in Austronesian Linguistics

CourseID: 125820

Faculty:

Next Term Offered: 2017 Spring

This course is an in-depth investigation into comparative Austronesian syntax. The Austronesian language family -- roughly 1,200 genetically-related languages dispersed over an area encompassing Madagascar, Taiwan, Southeast Asia, and islands of the Pacific -- exhibits several unusual properties: verb-first word order, ergativity, wh-agreement, articulated voice systems, and cleft structures. The course examines these phenomena from the perspective of comparative Austronesian syntax.

## LING 206R Argument Structure and Syntactic Structure

CourseID: 115948

Faculty:

Next Term Offered:

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?

## LING 225A Introduction to Hittite

CourseID: 123132

Faculty:

Next Term Offered: 2017 Fall

Grammar and reading of texts in cuneiform and in transliteration; essentials of the comparative grammar of the Indo-European languages of Anatolia.

## LING 226R Advanced Hittite

CourseID: 124027

Faculty:

Next Term Offered: 2018 Spring

Advanced readings in Hittite and an introduction to Cuneiform and Hieroglyphic Luvian.

## LING 247 Topics in Germanic Linguistics

CourseID: 113352

Faculty:

Next Term Offered: 2017 Spring

Investigation of selected topics in Germanic historical linguistics.

## LING 251 Advanced Readings in Church Slavonic Texts

CourseID: 122524

Faculty: Michael Flier

Next Term Offered: 2018 Spring

Readings in canonical Old Church Slavonic texts and later Church Slavonic redactions.

## LING 287 Topics in Computational Linguistics and Natural Language Processing

CourseID: 156632

Faculty:

Next Term Offered: 2018 Spring

In-depth investigation of topics in computational linguistics and natural-language processing. Students discuss research papers and undertake a significant research project. This term, the course will focus on synchronous grammars and their use for formal modeling of the semantics of natural language, including background on Montague grammar, pertinent logic, lambda calculus, applications to machine translation and other language-processing problems. The course is being offered jointly with the computer science program as Computer Science 287r, with computationally-oriented final projects. Students may not take both Computer Science 287r and Linguistics 287 for credit. Computer Science 187 or Linguistics 116 or permission of instructor.

## Literature

LIT S-371 Love, Medieval Style

CourseID: 160466

Faculty:

Next Term Offered:

## Core Curriculum

LIT-ART A-13 Chivalric Romances of Mid Ages

CourseID: 160169

Faculty:

Next Term Offered:

A study of the genre of chivalric romance, with some attention to the use of chivalric themes and materials in later literature. Among the works to be studied are the romances of Chrétien de Troyes, the Tristan romances, the Grail quest, "Sir Gawain and the Green Knight", Sir Thomas Malory's "Morte D'Arthur", and Cervantes' "Don Quixote".

## Mathematics

### MATH 141 Introduction to Mathematical Logic

CourseID: 117615

Faculty:

Next Term Offered: 2017 Fall

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.

### MATH 142 Descriptive Set Theory

CourseID: 159623

Faculty:

Next Term Offered: 2017 Fall

An introduction to the study of definable subsets of reals and their regularity properties (such as Lebesgue measurability and the property of Baire). A discussion of the unresolvability of the classical questions in ZFC and their resolution through the introduction of axioms of definable determinacy and strong axioms of infinity.

### MATH 144 Model Theory

CourseID: 125079

Faculty:

Next Term Offered: 2018 Spring

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.

### MATH 156 Mathematical Foundations of Statistical Software

CourseID: 156000

Faculty:

Next Term Offered: 2017 Fall

Presents the probability theory and statistical principles which underly the tools that are built into the open-source programming language R. Each class presents the theory behind a statistical tool, then shows how the implementation of that tool in R can be used to analyze real-world data. The emphasis is on modern bootstrapping and resampling techniques, which rely on computational power. Topics include discrete and continuous probability distributions, permutation tests, the central limit theorem, chi-square and Student t tests, linear regression, and Bayesian methods.

### MATH 213BR Advanced Complex Analysis

CourseID: 111824

Faculty:

Next Term Offered: 2018 Spring

Fundamentals of Riemann surfaces. Topics may include sheaves and cohomology, potential theory, uniformization, and moduli.

### MATH 223A Algebraic Number Theory

CourseID: 123239

Faculty:

Next Term Offered: 2017 Fall

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.

### MATH 223B Algebraic Number Theory

CourseID: 123240

Faculty:

Next Term Offered: 2018 Spring

Continuation of Mathematics 223a. Topics: adeles, global class field theory, duality, cyclotomic fields. Other topics may include: Tate's thesis or Euler systems.

## MATH 233BR Theory of Schemes II

CourseID: 123479

Faculty:

Next Term Offered: 2018 Spring

A continuation of Mathematics 233a. Will cover the theory of schemes, sheaves, and sheaf cohomology.

## MATH 287X Mirror Symmetry and Tropical Geometry

CourseID: 204944

Faculty:

Next Term Offered:

An introduction to mirror symmetry from the algebrao-geometric point of view. The main theme is the Gross-Siebert program. Possible topics: toric geometry, toric degeneration, tropical curves, theta functions, tropic vertex group.

## Mind, Brain, and Behavior

### MBB 980C The Science of Happiness

CourseID: 124116

Faculty:

Next Term Offered: 2017 Spring

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.

### MBB 980D Conscious Perceptual Experience: A Systems Neuroscience Approach

CourseID: 124112

Faculty:

Next Term Offered: 2016 Fall

Renowned neuroscientists from Harvard and elsewhere 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 an attentive self. Related topics include selective attention, the binding problem, recursive neuronal networks and the distinction between phenomenal and access consciousness. Finally, also explores both the commonalities and differences between visual perception and visual imagery so as to achieve a greater understanding of the bases for the emergence of both entities.

### MBB 980E Music, Mind, and Brain

CourseID: 128214

Faculty:

Next Term Offered:

Survey of neuropsychology of music. Examines psychological and neural substrates of music perception and cognition (pitch and consonance, melody and harmony, timbre, rhythm and meter, Gestaltist grouping processes). Then

considers affective psychology (emotion, meaning, pleasure), music therapy, music and language, and developmental, comparative, and evolutionary perspectives.

## MBB 980IR Topics in the Mind/Brain Sciences: How the Mind/Brain Represents the World

CourseID: 109869

Faculty:

Next Term Offered: 2016 Fall

Many questions in the contemporary cognitive sciences seem to benefit from a multi-disciplinary approach, and require a converging multi-layered explanation. MBB faculty in neurobiology, psychology, and philosophy explore topics that can be examined by research methods of the respective fields of study, presenting and discussing common questions from multiple perspectives. Ultimate goals are to (1) give a genuine sense of the difficult but rewarding nature of interdisciplinary work and (2) make progress on difficult questions in the mind-brain sciences through such collaboration. This year, seminar attempts to understand how the mind and brain represent the world.

## MBB 980J Avian Cognition: Why Being Called a Bird Brain Is a Compliment

CourseID: 108875

Faculty:

Next Term Offered: 2016 Spring

Humans have a long, conflicting history judging nonhuman cognitive abilities, particularly for nonprimate species. We anticipate and accept communicative and cognitive capacities resembling our own in great apes and cetaceans, but not in birds. Controlled experimental studies have, however, documented impressive avian cognitive traits. This course explores classic and new findings in avian cognition to demonstrate that birds, despite brain architectures lacking much human-like cortical structure and evolutionary histories differing so greatly from ours, equal and sometimes surpass us on various cognitive tasks.

## Molecular and Cellular Biology

### MCB 129 The Brain: Development, Plasticity and Decline

CourseID: 124817

Faculty: Sam Kunes

Next Term Offered: 2018 Fall

A lecture and discussion course on how the brain develops, employs plasticity to adapt to its environment and undergoes functional decline with aging. Topics include the birth, death and identity of neurons, axon guidance and synaptic specificity, adult neurogenesis, developmental disorders of synaptic function and memory, including autism and Alzheimer's Disease. We explore how the brain loses function with aging. Course assignments emphasize critical evaluation of the primary literature, experimental design and scientific writing.

### MCB 135 Introductory Systems Biology

CourseID: 156247

Faculty:

Next Term Offered: 2017 Fall

How are biological patterns like spots and stripes generated? How do cells keep time? How do viral capsids self-assemble? In this course, these questions and many others are addressed through the lens of systems biology, an interdisciplinary field which explores general principles underlying complex biological phenomena. Key scientific skills like primary literature review, experimental design, and data interpretation will be introduced through weekly discussion sections and problem sets. Students from other disciplines are welcome.

### MCB 141 Molecular and Cellular Biology of the Senses and their Disorders

CourseID: 115382

Faculty: Catherine Dulac

Next Term Offered: 2018 Spring

"The great art of life is sensation, to feel that we exist, even in pain." Lord Byron. Molecular basis of normal and pathological sensory perception, formation and modulation of sensory circuits during development and in the adult brain. Topics will include the mechanisms of sensory detection and discrimination, the discovery of key genes, cellular pathways and neural circuits affected in human disorders,

molecular and genetic strategies for restoring normal sensation, coding of sensory information by the brain, establishment of appropriate connections in the developing brain, epigenetic influences on sensory function. Molecular, genetic and epigenetic approaches to normal and pathological sensing and associated behavior will be discussed.

### **MCB 142 Major Advances in Understanding Evolution and Heredity**

CourseID: 122803

Faculty:

Next Term Offered: 2017 Fall

MCB 142 aims to develop an understanding of some of the principal advances leading to our present understanding of evolution and heredity, from Mendel and Darwin to the discovery of the genetic code. Course work includes critical reading of original papers, student presentations, group discussion, 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 at end of reading period.

### **MCB 157 Developmental Genetics and Genomics**

CourseID: 108338

Faculty: Craig Hunter

Next Term Offered: 2017 Fall

Our goal is for students to gain a fundamental understanding of the genetic control of development in four genetically accessible animal models; the nematode *C. elegans*, the fruit fly *Drosophila melanogaster*, the zebra fish *Danio* *rio*, and the mouse *Mus musculus*. A focus of the course is to compare and contrast genetic analysis of and the genetic control of developmental processes and mechanisms in these four organisms. The course consists of lectures, student presentations, and written assignments.

### **MCB 165 Interplay between Viruses and their Hosts**

CourseID: 156010

Faculty: Victoria D'Souza

Next Term Offered: 2017 Fall

This course provides a foray into virology, advanced cell biology, biochemistry and structural biology topics through the lens of viruses as they invade their hosts. To demonstrate concepts, a particular emphasis is placed on the human

immunodeficiency virus (HIV), which provides well-studied examples of intricate virus-host interactions that occur throughout its complex life cycle.

## MCB 199 Statistical Thermodynamics and Quantitative Biology

CourseID: 122410

Faculty: David Nelson

Next Term Offered: 2018 Spring

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.

## Medieval Studies

### MEDVLSTD 107 Authority and Invention: Medieval Art and Architecture

CourseID: 118135

Faculty:

Next Term Offered:

Masterworks of art and architecture in Western Europe from the decline of Rome 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 representative 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).

### MEDVLSTD 110 Mapping the Slavlands: Central Europe in the Middle Ages

CourseID: 159937

Faculty:

Next Term Offered:

An introduction to the medieval history and culture of Slavs, Germans and Hungarians, ca. 800-1300 CE. Weekly meetings emphasize close reading of often-overlooked primary sources in translation, including chronicles, saint's lives, letters and charters. A collaborative GIS (Geographic Information Systems) project introduces students to new digital methods in historical spatial analysis, allowing them to map this fascinating civilization and its sources.

### MEDVLSTD 119 Constitutional and Legal History of Medieval Continental Europe

CourseID: 147748

Faculty:

Next Term Offered:

A survey of continental European constitutional and legal history from the fall of the Roman Empire to the "Rise of absolutism" at the beginning of the seventeenth 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 social, political, and religious history.

## **MEDVLSTD 201 The Auxiliary Disciplines of Medieval History: Proseminar**

CourseID: 134669

Faculty:

Next Term Offered:

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.

## **MEDVLSTD 210B Introduction to Medieval Paleography: Seminar**

CourseID: 205055

Faculty:

Next Term Offered:

This bi-weekly workshop will train participants to read medieval handwriting from a variety of text-types, regions, and periods, and to recognize and decipher the abbreviations commonly used by medieval scribes. While the workshop's focus will be on Latin paleography, some vernacular texts will be examined as well. Students will be required to transcribe from manuscript samples in facsimile, as well as original documents in Harvard's Houghton Library, throughout each semester. Successful completion of both units of this workshop fulfills the Medieval Studies graduate secondary field requirement in paleography.

## Music

### MUSIC 97C Music History and Repertory: Music in Cross-Cultural Perspective

CourseID: 125786

Faculty:

Next Term Offered:

An introduction to selected world music repertoires, as well as research methods and interpretive issues in the field of ethnomusicology.

### MUSIC 97T Critical Thinking

CourseID: 204975

Faculty:

Next Term Offered:

### MUSIC 103R Masterwork: The Choreographic Process of William Forsythe

CourseID: 107436

Faculty:

Next Term Offered: 2017 Spring

A comprehensive study of a William Forsythe work with one of his closest collaborators. Students will watch rare rehearsal and performance footage, and examine all aspects of the choreographic process from the first movement sketches to compositional modalities, lighting, music, and dramaturgical design. A unique, rigorous and interdisciplinary course of study which will include a collaborative process to create an original dance work for performance, and expose students to all aspects of a master work by a preeminent American dance innovator.

### MUSIC 121 Beginning Choral Conducting

CourseID: 140622

Faculty:

Next Term Offered:

### MUSIC 121A Choral Conducting

CourseID: 110827

Faculty:

Next Term Offered:

This course will introduce the vocabulary and skills necessary for a conductor to communicate with an ensemble. Through repertoire of various eras, students will apply score reading and analysis skills, explore rehearsal methods, and consider the application of vocal pedagogy in ensemble singing. Students will conduct a professional vocal ensemble in the final project. Two 90-minute classes.

### MUSIC 123R Choral Literature of the 20th & 21st Century

CourseID: 128033

Faculty:

Next Term Offered:

American Choral Music During World War II. In the America of the 1940s, concert music attained an unprecedented cultural relevance and ubiquity that is hard to imagine today. During the Second World War, choral music in particular was called upon to fulfill a cultural desire for fervent public expressions of patriotism and national chauvinism. Music was politicized and harnessed for numerous war-related tasks, including propaganda, cultural diplomacy, therapeutic recuperation, and social uplift. One could argue that American musical identity itself was forged during this time of crisis. This course will trace the historical currents and themes of American choral music from 1940-1950 through the study of representative choral works. Using various archives at Harvard, students will also examine the choral scene at the University during World War II, including the repertoire, activities, and the membership profile of the Harvard Glee Club, Radcliffe Choral Society, and the University Choir. An extensive background in music theory and choral music repertoire is not required, but a familiarity with Western music notation will be assumed.

### MUSIC 125 Conducting

CourseID: 132908

Faculty:

Next Term Offered:

### MUSIC 127R Advanced Conducting

CourseID: 126275

Faculty:

Next Term Offered:

The focus of this conducting course will be determined at the beginning of the class.

## MUSIC 151 Tonal Analysis

CourseID: 119522

Faculty:

Next Term Offered:

Intensive study of tonal theory and methods of analysis through a detailed examination of music from the late eighteenth and nineteenth centuries. Students are introduced to the history of music theory, as well as numerous modern theoretical and analytical techniques.

## MUSIC 155 Modal Counterpoint

CourseID: 121992

Faculty:

Next Term Offered:

Study of representative styles and genres of 16th-century polyphony. Detailed analytic work will be combined with compositional exercises.

## MUSIC 157GEW South Indian Classical Music Theory and Practice

CourseID: 127197

Faculty:

Next Term Offered:

Analysis of contemporary south Indian classical composition and improvisational forms. Students will learn to sing or play an instrument and may participate in a concert at the end of the semester.

## MUSIC 157R Theories of World Music

CourseID: 128035

Faculty:

Next Term Offered:

## MUSIC 167R Electro-Acoustic Composition

CourseID: 115087

Faculty:

Next Term Offered:

Composition/performance involving electronic medium, analog and digital. Projects realized in electronic studio using synthesizers and computers, includes study of relevant aspects of acoustic and electronic theory. Compositions since 1948 in the genres of musique concrete, ``pure'' and ``live'' electronic music, music for instruments and tape and multi-disciplinary studied. Synthesis, sampling, MIDI sequencing, digital recording, editing, and live performance techniques also covered.

### MUSIC 180R Performance and Analysis: Seminar

CourseID: 111399

Faculty:

Next Term Offered:

Weekly master classes and intermittent private coachings.

### MUSIC 186R Jazz Improvisation

CourseID: 125864

Faculty:

Next Term Offered:

Our theme: learn how they did it, and then do it yourself. Through listening, transcription, analysis, and performance, we will guide you as you discover the unique skills and sounds of your favorite jazz musicians. Learn about melodic interpretation, ensemble interaction, rhythm, articulation, phrasing, and style. Section meeting is actually ensemble, where your small jazz ensemble will try to apply the concepts learned in lecture. Final performance project: a recording session at which you and your peers will perform and record your own arrangements or compositions.

### MUSIC 190GEW Music in Islamic Contexts

CourseID: 156226

Faculty:

Next Term Offered:

This course focuses on the arts of sound practiced by Muslims in India, Pakistan, and Iran, and on procedures of recitation that grow from pre-Islamic roots among Arabic-speaking peoples. The purposes are two-fold: one is to understand from a

musically informed perspective a set of interrelated musical practices that cut across South and West Asia. The second is to understand how different ideologies, philosophies and texts - associated with Islam locally, nationally, and internationally - shape local understandings and constructions of sound.

### MUSIC 190R Topics in World Music: Proseminar

CourseID: 110638

Faculty:

Next Term Offered:

*Performing and Theorizing the Classical in South Indian Music.* Analysis of contemporary South Indian classical composition and improvisational forms and investigation into the notion of “the classical” in the South Indian context. Students will have the option of learning to sing or play an Indian instrument.

### MUSIC 191R Topics in Medieval and Renaissance Music: Proseminar

CourseID: 111726

Faculty:

Next Term Offered:

*Concepts of Love and Sin in the Songs and Motets of the Middle Ages.* This course will explore the lyric traditions of the troubadours and trouvères, and their influence on the development of the “ars antiqua” motet. We will examine how chivalry, courtly love, lust, and the sacred adoration of the Virgin Mary are depicted musically—sometimes in combination in a single work. Our cast of characters will include knights, clerics, nuns, monks, students, lords and ladies, and shepherds and shepherdesses. We will address such questions as: Did cupid’s arrow make a sound? How did different expressions of love amongst different social classes generate different musical and poetic genres? Where might we draw the line between fact and fiction in the tales depicted—and does the music provide an answer? What were the prized attributes of men and women in the game of love—and how were they expected to sing or play along? No knowledge of medieval French or Latin is required.

### MUSIC 193RCA Topics in Music from 1800 - Present

CourseID: 122664

Faculty:

Next Term Offered: 2017 Spring

*19th Century Opera.* The nineteenth-century saw a revolution in the aesthetics and

cultural politics of opera. We will look at a series of works from Rossini to Debussy, with attention to libretti and their relationship to literature, musical design, and orchestration. In addition, we'll be considering present-day stagings of classic nineteenth-century works, especially those of Verdi and Wagner, and stage directors' interpretive interventions.

### MUSIC 193RCO American Musical Theater

CourseID: 109998

Faculty:

Next Term Offered: 2017 Spring

### MUSIC 193RS Topics in Music from 1800 - Present

CourseID: 156587

Faculty:

Next Term Offered:

*Music Since 1945.* A survey of music since the Second World War, including concert music, jazz, experimental, and traditional, focusing mainly on North America and Europe.

### MUSIC 206R Research Methods in Ethnomusicology: Musical Ethnography

CourseID: 143849

Faculty:

Next Term Offered:

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.

### MUSIC 207RS Ethnomusicology: Seminar

CourseID: 118094

Faculty:

Next Term Offered:

## MUSIC 208RS Ethnomusicology: Seminar

CourseID: 108992

Faculty:

Next Term Offered:

*African Music and Theory from the South.* This seminar explores leading contemporary cultural theorists of Africa such as Achille Mbembe, Jean and John Comaroff, Kofi Agawu, and Ngugi Wa Thiong'o in relationship to classic issues in the study of African musics. Beginning with popular, regional, and international musical genres the course takes hybridity as a point of departure and then examines historical presumptions about the nature of tradition in the ethnomusicological literature on African music. Classic issues in African music, such as rhythm, transcription, orality, social engagement, and religion are explored in the context of the anthropological and postcolonial literatures.

## MUSIC 209R Ethnomusicology: Seminar

CourseID: 115680

Faculty:

Next Term Offered:

## MUSIC 212R Chant: Seminar

CourseID: 114767

Faculty: Thomas F. Kelly

Next Term Offered: 2016 Fall

*Chant.* Transcribing the Beneventan Chant. In preparation for a new edition, the seminar will consider the sources and the music of one of the earliest repertoires of Western music, native to southern Italy.

## MUSIC 213R Topics in Medieval Polyphony

CourseID: 125206

Faculty:

Next Term Offered:

## MUSIC 214R Renaissance: Seminar

CourseID: 140824

Faculty:

Next Term Offered:

*Performers and Composers in Early Modern Europe.* This course studies the relationship between improvised polyphony and written works by composers from Josquin des Prez to Arcangelo Corelli. Techniques examined include improvised canons, stretto fuga, fauxbourdon, and partimento. This hands-on, performerly perspective facilitates a series of reflections on the status of composers, singers, instrumentalists, and written "works" in histories of the period.

## MUSIC 216R 18th-Century Music: Seminar

CourseID: 119785

Faculty:

Next Term Offered:

*Instruments and Instrumentality.* This seminar will explore the history of musical instruments and the diverse ways in which we can think about what they are and what they do. We will touch on many topics including early organographies, notions of artisanal epistemology, the history of mediation, thing theory, and late eighteenth-century aesthetics. This seminar will draw on texts from a range of disciplines and will include a visit to the collection of musical instruments at the Museum of Fine Arts in Boston.

## MUSIC 219RS 19th and 20th Century Music

CourseID: 121135

Faculty:

Next Term Offered:

*Classic Texts and Current Trends in American Music.* Explores the historiography of American music, with emphasis on recent developments. What is "American" music, and how does it fit into the world? The course cuts across time and deals with diverse genres, with explorations of race as a binding thread. Class projects will focus on local archives and resources, as well as the quickly growing realm of digitized sources.

## MUSIC 220R History of Music Theory

CourseID: 127184

Faculty:

Next Term Offered:

*Ancient Greek Music and Its Afterlives.* While Ancient Greece counts as the wellspring of western culture, its music was quite different from our own. This realization aroused surprise and controversy in 16th-century Italy, when scholars started studying ancient sources again. Adaptations of supposedly Greek music led to new and sometimes radical innovation. We will read salient texts from antiquity to the early modern.

## MUSIC 221R Current Issues in Music Theory

CourseID: 124044

Faculty:

Next Term Offered:

What does Music Theory mean in the 21st century? What are the current debates? We examine recent and contemporary discussions in (and about) the field. We focus our attention on a single central work, Beethoven's Symphony No. 9, which has generated more discussion than any other.

## MUSIC 223R Neo-Riemannian Analysis

CourseID: 119074

Faculty:

Next Term Offered:

*Neo-Riemannian Analysis.* Explores the new body of transformational analytical techniques usually grouped as ``Neo-Riemannian Theory.'' Analysis of pertinent musical passages, discussion of key texts (Riemann, Lewin, Hyer, Cohn, Kopp), context and limits of these ideas.

## MUSIC 241R Musicology Special Topics

CourseID: 160693

Faculty:

Next Term Offered:

*Sound Studies and Instrumentality.* This seminar will explore transforming notions of instrumentality, considering the role of instruments (defined broadly) within music and in broader technological contexts. We will consider both the history of instrumentality and what instrumentality means today in light of the proliferation of

digital technologies. This seminar will be taught in collaboration with a mirror seminar at McGill, led by Jonathan Sterne. We will meet jointly—digitally—regularly throughout the semester and students in both seminars will work collaboratively throughout the semester, all the while reflecting thoughtfully on the tools and technologies that enable these sorts of interactions

### MUSIC 261R Composition: Seminar

CourseID: 112885

Faculty:

Next Term Offered:

For first and second year graduate students prepared for work in original composition.

### MUSIC 264RS Electronic Music: Composition

CourseID: 124104

Faculty:

Next Term Offered:

*Live Electronics.* This course will explore different technologies for the live interaction between instruments and electronics, mainly using Max/MSP. Students will develop short musical studies and larger compositional project for presentation at the Hydra concert.

### MUSIC 266R Creative Music Seminar

CourseID: 156122

Faculty:

Next Term Offered:

For advanced musicians (graduate or undergraduate) prepared for work in improvisation and original composition.

### MUSIC 280R Theorizing Improvisation

CourseID: 156365

Faculty:

Next Term Offered:

*Theorizing Improvisation.* This research-oriented seminar surveys the newly

emerging, interdisciplinary area of critical improvisation studies, in which recent scholarship in African diasporic music and aesthetics joins a larger conversation on improvisation across multiple research fields in the arts, the sciences, and the humanities. Through a range of published and unpublished readings, mostly from the last two decades, we examine improvisation as a central feature of individual and collective subjectivities.

**MUSIC 296 Global Pop Music (Graduate Seminar in General Education)**

CourseID: 160568

Faculty:

Next Term Offered:

Exploration of current trends and issues in popular music production from around the world, including fusion, sampling and local and global scenes, through consideration of a broad range of contemporary examples.

**MUSIC 297 Opera (Graduate Seminar in General Education)**

CourseID: 160569

Faculty:

Next Term Offered:

## Neurobiology

### NEURO 101A Novel Therapeutics in the Central Nervous System

CourseID: 113003

Faculty:

Next Term Offered:

Recent advances have elucidated new non-traditional molecular signaling pathways involved in many disorders and diseases in the CNS. This tutorial will focus on examining novel therapeutics and 'outside the box' approaches to treat CNS disorders: Alzheimer's, Autism, Schizophrenia, Traumatic Injury and Multiple Sclerosis. To do this, we will examine primary and clinical literature and explore drug design strategies. Students must complete both terms of this course(parts A and B) within the same academic year in order to receive credit.

### NEURO 101B Novel Therapeutics in the Central Nervous System

CourseID: 159695

Faculty:

Next Term Offered:

Recent advances have elucidated new non-traditional molecular signaling pathways involved in many disorders and diseases in the CNS. This tutorial will focus on examining novel therapeutics and 'outside the box' approaches to treat CNS disorders: Alzheimer's, Autism, Schizophrenia, Traumatic Injury and Multiple Sclerosis. To do this, we will examine primary and clinical literature and explore drug design strategies. Students must complete both terms of this course(parts A and B) within the same academic year in order to receive credit.

### NEURO 101HB Visual Circuits: How Neurons and Networks See

CourseID: 205103

Faculty:

Next Term Offered:

Vision is arguably our most dominant and most important sense. The visual system processes vast amounts of data continuously, and it can identify relevant objects in our complex environment faster and more accurately than any artificial system. Yet, as recently as 2012, a revolution in computer vision has begun to allow computers to approach human level performance, in some cases even outperforming humans. What led to this improvement? Deep neural networks:

several neural networks stacked on top of each other. These networks have some striking similarities to circuits of the human visual system, and by studying them, we can learn about how our brains' own circuits function. In this class, we will learn both the fundamentals of the visual system circuitry (from retina to the visual cortex) as well as the structure and logic of neural network algorithms. In doing so, we will learn how artificial and natural networks can parse and recognize objects, detect direction and speed of motion, and modulate attention. We will be studying neural networks conceptually, so no prerequisites in math or computer science are needed.

## NEURO 102A Designer Neurons: How Cell Types are Generated in the Nervous System and the Lab

CourseID: 108068

Faculty:

Next Term Offered: 2017 Fall

The derivation of stem cells from a human embryo ten years ago ignited an explosion of scientific and public interest. This seminar will explore the current understanding of neural stem cells as it relates to their role in physiological and pathological states in developing and adult animals. We will also explore the generation, characterization, and manipulation of neural stem cells in current research.

## NEURO 102B Designer Neurons: How Cell Types are Generated in the Nervous System and the Lab

CourseID: 159696

Faculty:

Next Term Offered: 2018 Spring

The derivation of stem cells from a human embryo ten years ago ignited an explosion of scientific and public interest. This seminar will explore the current understanding of neural stem cells as it relates to their role in physiological and pathological states in developing and adult animals. We will also explore the generation, characterization, and manipulation of neural stem cells in current research. This is the second half of a full year course.

## NEURO 103A Building a Brain

CourseID: 127226

Faculty:

Next Term Offered: 2017 Fall

Neuronal connectivity underlies brain function. This seminar focuses on discussing and debating research related to how synaptic connections are influenced by genes, the environment, and chance to generate functional circuits and accommodate learning. In particular we will discuss molecular mechanisms, activity patterns (spontaneous and experience-evoked), and organizational rules implicated in synaptic formation and refinement in the context of many regions within the nervous system (retina, olfactory bulb, cortex, autonomic, and neuromuscular system).

## NEURO 103B Building a Brain

CourseID: 159697

Faculty:

Next Term Offered: 2018 Spring

Neuronal connectivity underlies brain function. This seminar focuses on discussing and debating research related to how synaptic connections are influenced by genes, the environment, and chance to generate functional circuits and accommodate learning. In particular we will discuss molecular mechanisms, activity patterns (spontaneous and experience-evoked), and organizational rules implicated in synaptic formation and refinement in the context of many regions within the nervous system (retina, olfactory bulb, cortex, autonomic, and neuromuscular system). This is the second half of a full year course.

## NEURO 104A The Neurobiology of Drug Addiction

CourseID: 109592

Faculty:

Next Term Offered: 2017 Fall

Students will examine primary literature to understand the acute and chronic action of drugs of abuse, including opioids, cannabinoids, psychostimulants, nicotine, and ethanol. The course will introduce the models of addiction and examine animal and human research results to build an understanding of how modifications to molecular signaling, cells and neural circuits underlie the development of the addicted brain. Students must complete both terms of this course (parts A and B) within the same academic year in order to receive credit.

## NEURO 104B The Neurobiology of Drug Addiction

CourseID: 159698

Faculty:

Next Term Offered: 2018 Spring

Students will examine primary literature to understand the acute and chronic action of drugs of abuse, including opioids, cannabinoids, psychostimulants, nicotine, and ethanol. The course will introduce the models of addiction and examine animal and human research results to build an understanding of how modifications to molecular signaling, cells and neural circuits underlie the development of the addicted brain. Students must complete both parts of this course (parts A and B) within the same academic year in order to receive credit.

## NEURO 110B Sensing a Chemical World

CourseID: 203344

Faculty:

Next Term Offered:

Animals are faced with the daunting task of making sense of the chemical world around them. Through lectures, activities, and discussion of primary literature, this course will introduce the molecular receptors that animals use to detect olfactory and taste stimuli in the environment, and the organizational principles by which the nervous system processes chemosensory cues to drive behaviors.

## NEUROBIO 310QC Careers in Neuroscience

CourseID: 159942

Faculty:

Next Term Offered:

This course provides graduate students in the Program in Neuroscience with early exposure to the opportunities and challenges associated with a variety of rewarding careers in the field of neuroscience, as well essential steps along the path towards those careers. Academic career topics will include postdoctoral training, obtaining and starting independent faculty positions, grant writing and reviewing, and opportunities for research and teaching positions. Other topics will include career opportunities in biotechnology, the pharmaceutical industry, patent law, journal editing/science writing, science policy, and consulting. One main topic will be covered at each class meeting, and one or more invited discussion leaders with expertise in the topic will participate in the class. Discussion leaders will include Harvard faculty members as well as outside experts.

## **Organismic and Evolutionary Biology**

### **OEB 101 Biology of Mammals**

CourseID: 156751

Faculty:

Next Term Offered:

An introduction to the biology of mammals. Lectures and laboratories examine the morphology, systematics, natural history, behavior, ecology, evolutionary relationships, and biogeography of all major taxa.

### **OEB 103 Plant Systematics and Evolution**

CourseID: 144583

Faculty: Charles Davis

Next Term Offered: 2017 Spring

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.

### **OEB 107 Evolution of Plant Life in Geologic Time**

CourseID: 131242

Faculty:

Next Term Offered:

Origin, evolution, dispersal, paleoecology, and geologic history of the major groups of the plant kingdom. Laboratory study of representative groups, living and fossil.

### **OEB 119 Deep Sea Biology**

CourseID: 145140

Faculty:

Next Term Offered:

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.

### OEB 121A Research in Comparative Biomechanics: Seminar

CourseID: 136764

Faculty:

Next Term Offered:

Introduces students to experimental techniques used to investigate the structure and physiology of animals. 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.

### OEB 131 Neuroethology

CourseID: 130661

Faculty:

Next Term Offered:

The evolutionary success of animals depends on how effectively they respond to external events with useful behaviors. Neuroethology is the study of the neurobiological mechanisms underlying adaptive behaviors. In this laboratory class we will examine the adaptive behaviors of three organisms: fruit flies, flatworms and cockroaches. By following published experimental protocols, and testing novel student-developed hypotheses, we will explore the transformation of external stimuli to behavioral output, the role of neurotransmitter systems and neuromodulatory states, the effect of genetic mutation and genomic background, and the physiology of locomotion. In culmination, students will develop their own multi-week experimental project.

### OEB 132 Tropical Plant Ecophysiology

CourseID: 130110

Faculty:

Next Term Offered:

An introduction to the ecology and physiology of South America ecosystems, with

an emphasis on how physiological processes contribute to plant diversity and ecosystem functioning. Lectures and hands-on laboratory sessions will explore how rainforest, cerrado, caatinga, seasonally dry forests, mangroves, paramo, cold and warm desert plants obtain the water, nutrients and CO<sub>2</sub> needed for them to carry out photosynthesis. The course will cover basic physiological processes, as well as environmental conditions of the major South American biomes and ecosystems.

### OEB 150 Vertebrate Evolution and Development

CourseID: 146594

Faculty:

Next Term Offered:

A survey of the evolution and development of major groups of vertebrates, integrating the paleontological record of the origin of chordates, diverse fishes, amphibians, reptiles, birds, and mammals with current understanding of the genetic, cellular and developmental mechanisms that underlie these transformations.

### OEB 157 Global Change Biology

CourseID: 143485

Faculty:

Next Term Offered:

This course examines how natural and anthropogenic changes in the earth system are affecting the composition and the functioning of the world's land and ocean ecosystems. Topics include: the ecological impacts of natural and anthropogenic changes in the earth's physical environment, and the effects of introduced species, species extinctions, land-use change, agriculture, and fishing.

### OEB 167 Herpetology

CourseID: 145020

Faculty:

Next Term Offered:

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.

## OEB 173 Comparative Biomechanics

CourseID: 145006

Faculty:

Next Term Offered:

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.

## OEB 181 Systematics

CourseID: 142844

Faculty:

Next Term Offered:

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.

## OEB 191 Physiological and Biochemical Adaptation

CourseID: 148252

Faculty:

Next Term Offered:

This course examines how microbes and animals have evolved to maintain function throughout the wide range of extant habitats. Emphasis is on physiological/biochemical evolution in response to environmental conditions, including climate change and life in extreme environments. As the first course in the "genomes to biomes" series, we will examine new approaches to interrogating organismal physiology in nature. Those interested can continue the "genomes to biomes" program via LS 100r.

## OEB 194 Laboratory Techniques in Ecological Physiology

CourseID: 146017

Faculty:

Next Term Offered:

An introduction to laboratory techniques in experimental physiology, this course will utilize a variety of equipment and several model organisms to empirically investigate foundational concepts in physiological and biochemical adaptation. Labs will complement and extend topics discussed in the companion class, OEB191. After demonstrating proficiency with core techniques, students will design independent research projects to explore novel questions in ecological physiology.

### OEB 217 What Makes a Rodent?

CourseID: 160459

Faculty:

Next Term Offered:

A student directed course that explores the origin and evolution of rodents through a mixture of literature discussions, cadaveric dissection and fossil observation. Discussion topics will be broad and far reaching, including such things as: evolutionary dynamics, ecomorphology, and feeding and locomotor performance. Alongside in class discussions, students will participate in dissecting cadaveric felid material with the aim to build hands-on musculoskeletal knowledge.

### OEB 221 Microbial Diversity

CourseID: 131219

Faculty:

Next Term Offered:

Examines the remarkable diversity of the microbial world, "the unseen majority". Physiological, genetic, ecological, and evolutionary characteristics of Bacteria and Archaea are discussed, as well as the relation of phenotype to phylogeny. The course has strong links to fields ranging from geochemistry and climate change to the human microbiome, and will include discussions with experts in microbial biodiversity.

### OEB 230 Comparative Genomics

CourseID: 145414

Faculty: Jim Mallet

Next Term Offered: 2018 Spring

This discussion-based course will survey modern ideas about evolution and speciation, and how they have changed as a result of genomic approaches. As well as readings and discussions in class, the course will utilize some live online

video sessions with major players in the field of evolutionary and comparative genomics.

### OEB 252 Coalescent Theory

CourseID: 131583

Faculty:

Next Term Offered: 2017 Fall

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.

### OEB 253R Evolutionary Genetics Seminar

CourseID: 131584

Faculty:

Next Term Offered: 2018 Spring

Readings and discussion of primary literature in population and evolutionary genetics.

### OEB 264 Sustainability Science: Interactions between Human and Environmental Systems

CourseID: 130010

Faculty:

Next Term Offered:

A research seminar on how core theories of sustainability science provide a framework for improving the well-being of present and future generations in ways that conserve the planet's life support systems. The seminar will engage in a critical discussion of the underlying theory of the field and evaluate case studies of efforts to manage particular coupled human-environment systems.

### OEB 268R Topics in Plant Developmental Genetics

CourseID: 142654

Faculty:

Next Term Offered:

This lecture/laboratory covers plant anatomy and development, including the

structure and function of cells, tissues, and organs and their developmental origin at the shoot apical meristem. Techniques of histology and microscopy also are covered.

## OEB 275BR Evolutionary Genomics and the Museum: Enhancing Insight into Evolutionary Processes Using Museum Co

CourseID: 146657

Faculty:

Next Term Offered:

This semester we will explore through lectures, videocasts and discussion the ways in which museum collections and online museum databases can enhance modern studies of genomic and geographic variation. Lecture topics will review the state of the art with regard to using genomics to study geographic variation, and in-class demonstrations will link such studies to museum and biodiversity databases and explore the reciprocal benefits of doing so. Some lectures will be held remotely and given by video by scientists at institutions participating in [AIM-UP!](#), a NSF-funded multi-institution research network aimed at enhancing undergraduate education through museum collections.

## OEB 275R Phylogenomics, Comparative Genomics and Adaptation

CourseID: 143845

Faculty:

Next Term Offered:

This semester we will explore through readings of the recent literature the ways in which comparative genomics can inform phylogeny and genomic adaptation. In addition to surveying recent methods for harnessing thousands of loci for phylogenetic reconstruction, we will also study how comparing genomes of higher clades can reveal signatures of adaptation, particularly in the noncoding portion of the genome.

## OEB 277 In Sickness and in Health: Topics in Symbiosis

CourseID: 146387

Faculty: Colleen Cavanaugh

Next Term Offered: 2018 Spring

Critical review and discussion of current issues in symbiosis. Emphasis is on microbe-eukaryote symbioses ranging from mutualistic to pathogenic associations. In 2011 the course will focus on the human microbiome and topics

selected by faculty and students.

## OEB 296 Conservation History, Values, and Law

CourseID: 129986

Faculty:

Next Term Offered:

Designed for students in ecology and evolution. Through readings and discussion we examine the history of the conservation/preservationist movements. We focus on how various constituencies value nature, and the legal system for protecting nature.

## Philosophy

### PHIL 3 The True and the Good

CourseID: 111175

Faculty:

Next Term Offered:

The course introduces students to philosophical argumentation and writing. It is organized around a range of central philosophical questions, concerning the nature of right and wrong, free will and responsibility, the relation between self, mind, and nature, and god and death. We'll pay particular attention to how answers to one question interact with answers to the others. No previous experience with philosophy is required.

Note: This course, when taken for letter grade, meets the General Education requirement for Culture and Belief.

### PHIL 8 Introduction to Early Modern Philosophy

CourseID: 124788

Faculty:

Next Term Offered:

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 existence of God, the existence of the external world, the nature and limits of human knowledge, and the changing relationship between science and philosophy.

### PHIL 13 Morality and Its Critics

CourseID: 156555

Faculty:

Next Term Offered:

An introduction to ethics, focusing on two representative views of the nature and significance of morality. On one (utilitarianism), morality is roughly about doing what best serves the interests of everyone involved; on the other (associated with Immanuel Kant) it instead concerns relating to people on terms that respect their dignity and autonomy. We'll explore these views in the context of issues ranging from animal rights and global poverty to happiness, manipulation, and responsibility, and we also consider whether both views might seriously

exaggerate the place of morality in our lives.

## PHIL 21 Love and Inner Conflict

CourseID: 159749

Faculty:

Next Term Offered:

The most important feature distinguishing human beings from other animals is generally supposed to be a capacity for reasoning –about how things are, but also about what to do. It is clear, however, that no account of intentional human action that restricts itself to reasoning will be adequate. Much of what we do seems to be the outcome of some kind of inner struggle or conflict about what to do, or (in the more momentous cases) which path in life to follow, and sometimes we act in ways we know to be ‘contrary to reason’. It is not at all clear what’s really going on when this happens.

Plato (428-348 BCE), Augustine (354-430 CE) and Freud (1856-1939) offer especially interesting and plausible accounts of such inner conflict. In their different ways, they each understood such conflict in terms of the soul’s having parts, or distinct faculties. They are also alike in positing a fundamental but highly plastic force in the soul, in terms of which its development or deformation, including its division into parts, can be understood. They all called this force love, although it is not straightforward what they meant, or whether they meant the same thing, by calling it that.

In this course, we will look at these theories of the composite, love-driven psyche as expressed in various of their works, such as Plato’s Gorgias, Symposium and Republic, Augustine’s Confessions and De Trinitate, and Freud’s The Interpretation of Dreams and The Ego and the Id. The aim is to achieve some understanding, not only of the theories, but also of the phenomena they are theories of.

## PHIL 22 Philosophy of Psychology

CourseID: 109353

Faculty:

Next Term Offered:

An introduction to philosophical questions in psychology and the cognitive sciences: the nature of consciousness, the relation between perception, cognition, and introspection, the pertinence of language for rational thought, and the role of

memory for personal identity and the self. We also examine related questions, such as how we can study the content of minds in non-human animals and assess the possibility of minds in robots, as well as how certain brain dysfunctions affect the mind and the self.

### PHIL 33 Indian Philosophy

CourseID: 156132

Faculty:

Next Term Offered:

An introduction to philosophy through an engagement with classical Indian epistemology—sense perception, inferential reasoning, and verbal testimony; metaphysics; and philosophy of mind. During the semester, we will situate these debates in their historical contexts as well as inquire into what we can learn from them today.

### PHIL 102 Aristotle

CourseID: 112252

Faculty:

Next Term Offered:

A survey of some central topics in the work of Aristotle, with attention to his philosophical methodology and his views on nature, substance, change, psychology, and ethics. Readings will include selections from *Categories*, *Analytics*, *Physics*, *Metaphysics*, *De Anima*, and *Nicomachean Ethics*.

### PHIL 105 Stoicism: Proseminar

CourseID: 159685

Faculty:

Next Term Offered:

Stoicism was by far the most systematic and influential of the philosophical schools that arose in the ‘Hellenistic’ period between the death of Aristotle (322 BCE) and the end of the Roman republic (31 BCE); its significance as a tradition in ancient philosophy is second only to that of Socrates, Plato and Aristotle, with which it is to some extent continuous. The writings of the Greek founders, starting with Zeno of Citium in the early third century BCE, now exist only in quotations and paraphrases in later authors, but Roman Stoicism is well attested in complete surviving works of Cicero, Seneca and others. A version of Stoic ethics became something of a default guide to life for generations of well-born Romans.

In this course we will read the main surviving texts of Stoicism, and examine Stoic ideas under the three headings of physics/metaphysics, ethics and logic. The Stoics developed the first detailed and systematic account of nature that can be thought of as materialist, and the first such account of ethics based on the idea of natural law. They also made the first and perhaps only significant advances in logic between Aristotle and the Middle Ages.

### PHIL 117 Medieval Philosophy

CourseID: 156021

Faculty:

Next Term Offered:

An examination of three great traditions in medieval philosophy, neo-Platonism, Scholastic-Aristotelianism, and Nominalism, through the works of their most important proponents, Augustine, Aquinas, and Ockham. Specific topics will include skepticism, knowledge, human nature, divine nature, language, realism, and conceptualism.

### PHIL 125 Beyond Dualism: Descartes and his Critics

CourseID: 121954

Faculty:

Next Term Offered:

We will explore Descartes' dualism in its historical context. After examining the transformation that Descartes brought about in our conceptions of body and mind, we will consider some of the notorious metaphysical problems his dualism gives rise to and four 17th century attempts to push back against it in the figures of Princess Elizabeth of Bohemia, Descartes himself, Henry More, Margaret Cavendish and Anne Conway.

### PHIL 129 Kant's Critique of Pure Reason

CourseID: 117823

Faculty:

Next Term Offered:

A careful reading of Kant's greatest work, his first *Critique*, aiming at a general understanding of the problems that it seeks to address and the significance of its famous doctrine of "transcendental idealism." Topics to include: the role of mind in the constitution of experience; the nature of space and time; the relation between self-knowledge and knowledge of objects; causation; freedom of the will; the

relation between appearance and reality; the possibility of metaphysics.

### PHIL 137 The Later Philosophy of Wittgenstein

CourseID: 156749

Faculty:

Next Term Offered:

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, skepticism, and the nature of philosophy. Attention to Wittgenstein's philosophical methodology, with its claim to dissolve philosophical problems rather than propose solutions to them.

### PHIL 139 Later Heidegger

CourseID: 156116

Faculty:

Next Term Offered: 2016 Fall

A close reading of selected texts from Martin Heidegger's later work, starting from the period after the publication of *Being and Time*. Heidegger's later work rejects the humanism of his own earlier period as well as the humanist existentialism made famous by Sartre. In doing so, it attempts to gather and preserve meaningful possibilities of existence in our "destitute times." Topics will be chosen from among Heidegger's encounter with various figures in the history of philosophy as well as with such topics as thinking, poetry, gods, works of art, science, technology, and things.

### PHIL 144 Logic and Philosophy

CourseID: 109447

Faculty:

Next Term Offered:

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.

## **PHIL 146 Language and the Social World (Proseminar)**

CourseID: 203455

Faculty:

Next Term Offered:

We will discuss the use and abuse of language in social, political, and legal contexts. Topics to include: obfuscation (bullshit, propaganda, deceit); harm (slurs, the claim that pornography is a kind of subordination); social constructionism; interpretation and the law.

## **PHIL 149Z Philosophy of Science**

CourseID: 114427

Faculty:

Next Term Offered:

Survey of 20th century and contemporary views on the nature of scientific knowledge, and related issues. Topics may include: logical empiricism, Popper and "falsifiability", induction and confirmation, explanation, scientific realism, causation and laws of nature, and the sense (if any) in which "everything reduces to physics". In one unit of the course we will take up these issues with respect to the burgeoning science of happiness and well-being.

## **PHIL 151Z Philosophy of Quantum Mechanics**

CourseID: 125896

Faculty:

Next Term Offered: 2018 Spring

A crowning achievement of 20th century science, quantum mechanics has raised deeply perplexing questions for physicists and philosophers alike: Does quantum mechanics show that the conscious mind has the power to make the physical world "jump"? That reality itself is constantly "splitting" into alternative versions? That the universe as a whole is in some deep sense "holistic"? And so on. In this course, we will attempt to separate the wheat of genuine mystery from the chaff of philosophical confusion, and along the way use quantum mechanics as an excuse to explore several fascinating and fundamental philosophical questions about science. No prior knowledge of quantum mechanics required.

## **PHIL 157 Philosophy of Action**

CourseID: 132280

Faculty:

Next Term Offered:

An examination of the nature and understanding of intentional action. Topics will include agency and causal explanation, the role of freedom and rationality in understanding action, the agent's own perspective on her action, the scope and variety of actions themselves (mental, physical, social, institutional). Readings will include Davidson, Anscombe, Frankfurt, Velleman and others.

### PHIL 158 Self, Body, and Other: Proseminar

CourseID: 156022

Faculty:

Next Term Offered:

An exploration of the distinctive ways in which we know (1) our own minds, (2) our own bodies, (3) the minds of other persons. A central concern will be how each of these kinds of knowledge differs from our knowledge of mere objects. Readings from philosophical sources and from some relevant literature in contemporary psychology and cognitive science.

### PHIL 158X Self-Consciousness and Self Knowledge: Proseminar

CourseID: 159751

Faculty:

Next Term Offered:

Many of the most interesting and puzzling features of the mind are connected with the fact that each of us seems to have a special perspective on his or her own mind, a perspective that gives us a distinctive awareness of ourselves "as subject, not mere object" and a distinctive knowledge of our own mental lives "from the first person perspective". We will consider the nature of such self-consciousness and self-knowledge, and also some striking ways in which we can be unknown to ourselves.

### PHIL 159 Epistemology

CourseID: 114155

Faculty:

Next Term Offered: 2017 Fall

An introduction to the theory of knowledge. Topics could include: the analysis of knowledge, the nature of the a priori, the regress problem, foundationalism vs. coherentism, internalism vs. externalism, naturalized epistemology, and

skepticism.

## PHIL 160 Readings in Philosophical Psychology

CourseID: 109822

Faculty:

Next Term Offered: 2018 Spring

We will discuss a range of issues related to cognitive architecture. Topics will include some but probably not all of the following: the cognitive underpinnings of implicit bias, Bayesian theories of perceptual processing, the distinctions between perception and sensation, the distinctions between perception and cognition, the perception of agency, and the epistemology of perception.

## PHIL 164 Metaphysics

CourseID: 156025

Faculty:

Next Term Offered: 2017 Fall

We are going to explore, in the most general possible manner, two questions: What is there? And what is it (that is, whatever it is that there is) like? We're also going to explore the meta-question of whether and how genuine progress on these two questions can ever be made.

## PHIL 168 Kant's Ethical Theory

CourseID: 123509

Faculty:

Next Term Offered:

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*.

## PHIL 171 Well-Being

CourseID: 159747

Faculty:

Next Term Offered:

What makes someone's life go well? Is it pleasure, desire, satisfaction, or

something else? How should questions of well-being bear on one's reasoning about what to do, and on one's relations with other people? Can you assess your well-being by evaluating parts of your life individually, or does it depend on the shape of your life as a whole? Readings will include work by Richard Kraut, Derek Parfit, T. M. Scanlon, J. David Velleman, and Susan Wolf, among others.

### PHIL 178S Responsibility

CourseID: 159753

Faculty:

Next Term Offered:

Forms of responsibility, and various views of the conditions under which a person can be responsible in these ways.

### PHIL 179 Race and Social Justice

CourseID: 124577

Faculty:

Next Term Offered:

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?

### PHIL 187 Aesthetics

CourseID: 111785

Faculty:

Next Term Offered: 2017 Spring

An examination of some texts of philosophical aesthetics from the 18th and 19th centuries, texts which either represent or anticipate the Romantic period. Themes include the role of emotion in art, the nature of expression and its relation to the will, problems of sincerity, and art or poetry as sources of knowledge. Readings will include some, but probably not all, of the following authors: Diderot, Schiller, Burke, Kant, Hume, Hegel, Lessing, Rousseau.

## **PHIL 187A Philosophy and Photography: Proseminar**

CourseID: 159689

Faculty:

Next Term Offered:

The seminar will examine the nature of photography and what makes it distinctive as a form of visual representation. Topics include the nature of photographic 'realism', the difference between mechanical and 'hand-made' images, and how these differences matter both epistemically and to our aesthetic, moral, and psychological responses to them. Readings will be taken from writers such as Barthes, Bazin, Benjamin, Berger, Cavell, Sontag and others.

## **PHIL 192 Buddhist Philosophy: Proseminar**

CourseID: 159688

Faculty:

Next Term Offered:

Selected topics in Buddhist epistemology, metaphysics, philosophy of action, and philosophy of mind. Special attention will be given to arguments that Buddhist philosophers used to defend their views and respond to their critics. In addition to understanding these arguments in their historical contexts, we will ask what we can learn from them today and, when relevant, investigate how they are being used in contemporary philosophy.

## **PHIL 213G GSGE: Violence and Democracy**

CourseID: 160770

Faculty:

Next Term Offered:

A seminar to prepare for the interdisciplinary content and presentation format of a newly proposed course with General Education designation. This course will examine violence in various forms at the hands of the state toward its own citizens, as well as violence between citizens, and the political impact of fear of such violence, focusing on both philosophical writings and on the US in the last third of the 20th century until today. Note: The seminar will design and develop a General Education course on these themes for undergraduates.

## **PHIL 241 Wittgenstein's Tractatus: Seminar**

CourseID: 108480

Faculty:

Next Term Offered: 2017 Fall

### PHIL 245Q Quine

CourseID: 126155

Faculty:

Next Term Offered:

Examination of the works of W. V. Quine, especially *Word and Object*. Focus on his systematic approach to ontology, knowledge, logic, language, and science; with evaluation of his skeptical claims about meaning and reference (the theses of "indeterminacy of translation" and "inscrutability of reference"), and more generally of the naturalism in philosophy that he urged.

### PHIL 247A Meanings as Species: Seminar

CourseID: 159686

Faculty:

Next Term Offered:

We will develop an analogy between linguistic entities (words, meanings) and biological entities (population lineages, species). The goal is to give an account that acknowledges what is correct in Quine's criticisms of analyticity and reference determinacy while giving the notion of meaning a descriptive and explanatory role. Seminar participants need to have philosophical sophistication; they need not have extensive knowledge of the philosophy of language or the philosophy of biology.

### PHIL 251Z GSUE: Quantum Mechanics

CourseID: 204467

Faculty:

Next Term Offered:

### PHIL 262 Questions in Ethics & Metaphysic

CourseID: 160392

Faculty:

Next Term Offered:

**PHIL 271 Normativity, Ethics, and Meta-Ethics: Seminar**

CourseID: 108019

Faculty:

Next Term Offered:

Questions about reasons, ethics, and meta-ethics, some to be chosen by those attending.

**PHIL 273L Topics in Social and Political Philosophy (Seminar)**

CourseID: 204430

Faculty:

Next Term Offered:

**PHIL 320D Philosophy in Translation: German**

CourseID: 156129

Faculty:

Next Term Offered: 2017 Fall

A close reading of selected philosophical texts in German with the aim of developing and improving reading and translation skills.

**PHIL 320L Philosophy in Translation: Latin**

CourseID: 160205

Faculty:

Next Term Offered: 2016 Fall

A close reading of philosophical texts in their original Latin language with the aim of developing reading and translation skills.

**PHIL 321D Philosophy in Translation: German**

CourseID: 159748

Faculty:

Next Term Offered: 2018 Spring

A close reading of selected philosophical texts in German with the aim of developing and improving reading and translation skills.

## **Physical Sciences**

**PHYSCI 3LAB Physical Sciences 3 Lab**

**CourseID:** 124401

**Faculty:**

**Next Term Offered:**

## Physics

### PHYSICS 141A Physics of Living Systems: Organism, Populations and Evolution

CourseID: 156588

Faculty:

Next Term Offered: 2017 Spring

In this class we introduce discuss physical and quantitative aspects of multi-scale organization in biology. We will study the mechanics, dynamics and statistical physics of embryonic development, and see how physics-based approaches are used in an attempt to understand cancer. We will look at collective animal behaviors, the dynamics of population, ecology and extinction. Finally, we will study models of evolution and population genetics.

### PHYSICS 144 Symmetries and Geometry in Quantum Mechanics

CourseID: 109967

Faculty: Eugene Demler

Next Term Offered: 2017 Fall

This course will review the role of symmetries in quantum mechanics. Topics include atomic and molecular symmetries, crystallographic symmetries, spontaneous symmetry breaking and phase transitions, geometrical Berry phases, topological aspects of condensed matter systems. Mathematical basics of group theory will be taught as needed to give students an understanding of the topics covered.

### PHYSICS 253CR Quantum Field Theory III

CourseID: 118459

Faculty:

Next Term Offered: 2017 Fall

Introduction to some of the tools for studying the exact nonperturbative dynamics of supersymmetric gauge theories, supergravity, and gauge/gravity duality.

### PHYSICS 254 The Standard Model

CourseID: 109328

Faculty:

Next Term Offered: 2018 Spring

The Standard Model of particle physics: theory and experimental implications. Topics include nonabelian gauge theory, spontaneous symmetry breaking, anomalies, the chiral Lagrangian, QCD and jets, collider physics and simulation, the Higgs at the LHC.

## PHYSICS 262 Statistical Physics

CourseID: 110526

Faculty: Vinodan Manoharan

Next Term Offered: 2017 Fall

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases, phase transitions and critical phenomena, as illustrated by the liquid-gas transition and simple magnetic models. Universality, scaling and renormalization group. Introduction to non-equilibrium physics.

## PHYSICS 285B Modern Atomic and Optical Physics II

CourseID: 118509

Faculty:

Next Term Offered: 2017 Fall

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.

## PHYSICS 287C Conformal Field Theory

CourseID: 160571

Faculty:

Next Term Offered: 2017 Fall

The role of conformal field theory in describing critical phenomena in statistical mechanics and quantum field theory. Virasoro algebra, conformal blocks, two dimensional rational and irrational conformal field theories, the conformal bootstrap in two and higher dimensions, a-theorem, and other recent developments.



## Psychology

### PSY 980Y Intuitive Math in the Everyday Mind

CourseID: 108959

Faculty:

Next Term Offered:

Every day, we evaluate options and make decisions, often without the luxury of time to deliberate. All of this requires that we perform some kind of math – estimating, counting, comparing – but most of the time, we do it without being aware of "doing math." In this class, we will explore the automatic (and not-so-automatic) psychological processes that underlie these decisions, relying on the biases and errors that exist to gain insight into the underlying computations that inform our everyday decisions. Topics such as cognitive development, attention and memory, mathematical cognition, and judgment and decision making will be covered.

### PSY 1051 MATLAB: Introduction to Programming for Behavioral Research

CourseID: 126619

Faculty:

Next Term Offered: 2017 Spring

This course will introduce students to the basics of the MATLAB user interface and programming language, for the purpose of using MATLAB to conduct behavioral research. In the first half of the course, you will learn about MATLAB syntax, general programming concepts such as functions, loops, and conditional statements, and how to analyze and visualize data in MATLAB. In the second half of the course, you will learn to program psychology experiments with the Psychophysics toolbox (a set of MATLAB functions), including displaying stimuli (visual and auditory), and collecting responses from participants.

### PSY 1251 Circuits and Symptoms

CourseID: 156586

Faculty:

Next Term Offered: 2017 Spring

This class will explore the biology of psychological illness. We will ignore artificial diagnostic labels, examining instead the core symptom domains that have plagued humans since the beginning of recorded history. A strong emphasis will be placed

on biological mechanisms. In particular, the class will focus on mapping dysfunction in large-scale brain circuits to cognitive, affective, social, and motivational symptom domains, and on understanding how genes and environments act and interact to predispose these symptoms by shaping brain function and development.

### PSY 1303 The Human Brain Then and Now

CourseID: 108478

Faculty:

Next Term Offered: 2017 Spring

This course will explore the "mismatch" between our ancestral brain and the modern world. After covering the evolution of the human brain, the bulk of the course will focus on case studies including how drugs hijack the normal function of brain systems, how the Facebook age places stresses on social systems that evolved to handle close-knit groups of 25 or so individuals, and how the brain degenerates as we live unexpectedly long.

### PSY 1305 Evolution and Cognition

CourseID: 156054

Faculty: Max Krasnow

Next Term Offered: 2017 Fall

The goal of this course is for students to master the foundational logic and theory of evolutionary psychology. Students are exposed to and consider topics covering the range of human experience, including cooperation, mating, friendship, aggression, warfare, collective action, kinship, parenting, social learning, dietary choice, spatial cognition, reasoning, emotions, morality, personality and individual differences, predator avoidance, hazard management, and culture.

### PSY 1307 Brain Genomics

CourseID: 125512

Faculty:

Next Term Offered: 2017 Spring

Genetics provides a powerful approach for exploring human behavioral variation and learning how dysfunction in neural circuits influences cognition. This course will cover the basics of genetic inheritance and genomic sequencing to understand brain function. Topics include autistic disorders, schizophrenia, and normal cognitive variation. The goals of the class will be (1) to debate the potential of

bridging genomics and human neuroscience, and (2) to survey recent successes in brain genomics.

### PSY 1354 Classic Papers on Memory (and the Ones that Got Away!)

CourseID: 108004

Faculty:

Next Term Offered: 2017 Spring

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?

### PSY 1355 The Adolescent Brain

CourseID: 110064

Faculty: Leah Somerville

Next Term Offered: 2017 Fall

This course will introduce students to the dynamics of brain development during the second decade of life. This course will examine key changes in structural, functional, connectivity, and neurochemical changes that take place in the brain during adolescence. We will assess how these changes influence several domains of the adolescent mind, including self-control, risky decision making, changes in daily emotions and moods, the onset of psychiatric illnesses (such as mood and anxiety disorders), and sensitivity to social evaluation.

### PSY 1454 Neuroscience Fiction: An Introduction to Cutting Edge Neuroscience through the Lens of Film and Tele

CourseID: 156569

Faculty: George Alvarez

Next Term Offered:

Film and television shows often capture the cutting edge of science, and they sometimes even anticipate future scientific advances. We'll use examples from film and television as an introduction to several hot topics in the field of neuroscience, such as Mind Control, Mind Reading, Smart Pills, and Brain Machine Interfaces, which are all getting closer to reality. Will neuroscientists ever be able to control a person's thoughts, or to know what a person is thinking? Can

taking a pill really awaken untapped brain power? Will you ever be able to drive a car without touching a steering wheel? In this course, we will cover the state of the art and the future of these exciting areas of neuroscience (and entertainment). Because these are not textbook topics, this is an advanced course that will focus on reading and discussing the primary literature.

### PSY 1553 Social Bonds and Human Connections

CourseID: 156639

Faculty:

Next Term Offered:

As social beings, humans have a fundamental need to affiliate and bond with each other. In this course, we will trace social relationships across the human lifespan, from parent-infant attachment to adolescent peer relationships to pair bonding in adulthood. In doing so, we will discuss the evolutionary benefits of this social motive and the dissolution of social bonds. We will also examine current issues in psychological science especially relevant to social bonds, including online relationships and the role of oxytocin.

### PSY 1555 Wired to Connect? The Neuroscience of Social Understanding and Interaction.

CourseID: 126848

Faculty: Mina Cikara

Next Term Offered: 2017 Fall

By some accounts, the large expansion of the human brain evolved due to the complex demands of dealing with social others—competing or cooperating with them, deceiving or empathizing with them, understanding or misjudging them. This discussion-based seminar surveys the emerging field of social cognitive neuroscience and its multi-level, multi-method approach to understanding the brain in its social context. We will review current theories and methods guiding the field and recent research examining the neural bases of social processes, including: theory of mind, empathy, morality, social decision-making, intergroup relations, among others.

### PSY 1605 Psychology of Language

CourseID: 109862

Faculty: Jesse Snedeker

Next Term Offered: 2018 Spring

How do children manage to learn the sounds, the words and the grammar of their native language in three years or less? Does the language that we speak change how we think? What happens in the mind (and brain) that allows us to convert sound into meaning during language comprehension (and meaning into motor movements during language production)? Why are human languages similar to each other in some ways, and what allows them to vary in others? We will explore these questions integrating the perspectives of linguistics, psychology and cognitive neuroscience.

### **PSY 1702 The Emotional Mind**

CourseID: 108490

Faculty: Leah Somerville

Next Term Offered: 2018 Spring

Not only do emotions permeate our everyday lives, they have aided in the survival of the human species. But what are emotions, and what are they good for? What causes us to experience an emotion? And how do emotional responses, in turn, influence our perception, memory, decision-making, and psychological well-being? This course will address these questions by drawing on key advances from historical, philosophical, psychological, and neuroscientific perspectives.

### **PSY 1851 Clinical Psychology: Science and Practice**

CourseID: 118402

Faculty:

Next Term Offered: 2018 Spring

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.

### **PSY 1854 Schizophrenia: Seminar**

CourseID: 111940

Faculty:

Next Term Offered: 2018 Spring

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.

## PSY 1857 Psychotherapy: Science and Practice

CourseID: 160646

Faculty: John Weisz

Next Term Offered:

Would you pay someone to help you change? Millions of people do, every week. Psychotherapy is a healing art, a subject of scientific inquiry, and—for many—a business venture. In this course we will bring these strands together, focusing on how psychotherapy is practiced in the real world and how clinical science is used to test claims of success. We will examine competing models of therapy, evaluate their scientific status, and dig into case examples of each. We will also explore hot topics in the field, including whether all therapies have about the same effect (the “dodo bird” hypothesis), whether internet-based therapies actually work, and how to get effective therapies to traumatized people in war-ravaged and low-resource countries.

## PSY 2030 Bayesian Data Analysis

CourseID: 160667

Faculty: Patrick Mair

Next Term Offered: 2019 Spring

Bayesian Statistics is becoming popular in Psychology and is certainly a direction where quantitative Psychology is going to move within the next few years. This class covers basic and advanced topics of Bayesian statistics in a very applied way with a strong focus on applications in Psychology (and Social Sciences in general). Formulas and technical details are kept on a minimum -- it is all about how to integrate Bayesian concepts into your everyday research.

The first part of the course introduces students to the Bayesian paradigm of inferential statistics (as opposed to the frequentist approach everyone is familiar with). We elaborate on Bayes' seminal theorem and introduce gently the core components of Bayesian inference:

prior distributions, posterior distributions, and Bayes factors. Subsequently, we will learn about simulation based approaches for sampling posterior distributions. These are the infamous MCMC (Markov Chain Monte Carlo) techniques and have fancy names such as Metropolis-Hastings and Gibbs Sampling.

Then we are ready to actually do Bayesian inference and testing. We start with

simple statistical tests and models such as t-test, ANOVA, and regression and compute them in a Bayesian way. We extend our modeling approach to generalized linear models (GLM) and a model family where Bayesian statistics turns out to be super helpful: hierarchical (aka multilevel or mixed-effects) models.

Finally, we focus on modern, more specific (psychometric) Bayesian methods such as multidimensional/multilevel item response theory (IRT), Bayesian latent variable models, latent Dirichlet allocations (LDA; as e.g. used in natural language processing), and Bayesian networks.

All topics covered will be supported by corresponding computations and illustrations in R. Lab units focus on knitting! (in other words, we focus on dynamic report generation using LaTeX and R Markdown in conjunction with the knitr package)

### PSY 2040 Contemporary Topics in Psychopathology

CourseID: 140850

Faculty: Jill Hooley

Next Term Offered: 2018 Spring

Advanced survey of current topics in experimental psychopathology.

### PSY 2060 Reward and Self Control

CourseID: 108524

Faculty:

Next Term Offered: 2017 Spring

What's stopping you from doing absolutely everything that your devious heart desires? The ability to flexibly control our behavior - particularly when it comes to rewarding things like food, sex, and drugs - has huge consequences for our long-term happiness and success. Though we are reasonably good at this as a species, dramatic individual differences in the capacity for self-control are readily apparent. In this class, we will examine the cognitive construct of self-control, its neurobiological underpinnings and sources of individual variation, and relationships to psychopathology.

### PSY 2145 Developmental Cognitive Neuroscience

CourseID: 127665

Faculty:

Next Term Offered: 2018 Spring

This course uses neuroscience methods to study the cognitive development of human infants and children. Case studies draw from research on face recognition, language, executive function, representations of objects, number and theory of mind.

### PSY 2152 Abstract Thought in Non-Human Animals, Human Infants, Young Children, and Human Adults

CourseID: 160731

Faculty: Susan Carey

Next Term Offered: 2018 Spring

A scientific account of human concepts and conceptual development must characterize the content, format, and functional roles of both the innate and the mature conceptual repertoire, as well as the developmental processes that operate on the former to produce the latter. The evidence for innate sensory, perceptual, and motor representations is overwhelming; much recent work has provided evidence for richer primitives with content such as agent and object as well. But the adult conceptual repertoire includes explicit abstract concepts supporting natural language, spatial symbols, mathematics and logic. We will provide evidence for innate content in each of these domains, and explore the hypotheses that the representational systems that express that content nonetheless are qualitatively different from those that are realized in the adult state. These issues will be explored in three case studies: representations of number, geometry, and of logical connectives and abstract relations. The seminar will consider proposals from linguistics, philosophy, and cognitive science concerning the combinatorial resources of natural language, and will ask whether these resources are qualitatively different from those that articulate perception and action, and if so, whether they arise in human evolution only with the evolution of language, and in human development only in the course of language acquisition.

### PSY 2320 Object Representation in the Mind and Brain

CourseID: 160686

Faculty: Alfonso Caramazza

Next Term Offered:

How does our visual system translate complex arrays of visual inputs into meaningful objects that we can act upon? What do we need to construct a sound theory of object representation? What progress have researchers made in understanding this process over the past few decades? What information is essential and where is it computed and represented in the human brain? In this

seminar, we will address these questions by reading and discussing key papers on object representation, critically evaluating results from behavioral, neurophysiological, neuropsychological, special population (e.g., blind individuals), neuroimaging, and computational studies. This seminar will not only provide a critical review of the current literature, but also identify important challenges that await future research.

### PSY 2353 Case Studies of Cognitive and Neural Models

CourseID: 108988

Faculty:

Next Term Offered: 2018 Spring

What makes a successful cognitive or neural model? In this seminar, we will do a series of in depth case studies to address this question, exploring several of the more successful cognitive and neural models. While many examples will be drawn from the literature on human vision, the course will also draw on examples from language, development, and higher-level reasoning.

### PSY 2355R Laboratory on Cognitive and Neural Organization

CourseID: 160675

Faculty:

Next Term Offered:

This lab course provides instruction and experience in conducting research on cognitive architecture and neural organization, via the methods of visual cognition and cognitive neuroscience. Special focus on issues of high-level visual representation and the corresponding structure in neural response profiles. Open to graduate and undergraduate students working in the instructor's laboratory. Undergraduates are required to write research report at the end of the semester on the studies conducted in the lab.

### PSY 2400 Cognitive Psychology and Emotional Disorders

CourseID: 117820

Faculty: Richard McNally

Next Term Offered:

Research and theory on the application of cognitive psychology methods applied to the understanding of anxiety and mood disorders. Limited to graduate students.

## **PSY 2430 Cultural and Individual Diversity**

CourseID: 119217

Faculty:

Next Term Offered:

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.

## **PSY 2460 Diagnostic Interviewing**

CourseID: 113704

Faculty:

Next Term Offered: 2018 Spring

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.

## **PSY 2485 Bad Genes, Bad Parents, Bad Behaviors**

CourseID: 159711

Faculty: Joshua Buckholtz

Next Term Offered: 2018 Spring

This class will explore the biology of criminal behavior and violence. We will examine the construct of "anti-sociality" and unpack clinical and diagnostic issues surrounding its diverse manifestations, such as psychopathy. A strong emphasis will be placed on biological mechanisms. A particular focus will be on understanding how genes and environments act and interact to predispose antisocial behavior by shaping brain function and development.

## **PSY 2500 Proseminar in Social Psychology**

CourseID: 115578

Faculty: Jason Mitchell

Next Term Offered: 2017 Fall

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.

### PSY 2550 The Psychology of Learning and Teaching

CourseID: 110321

Faculty:

Next Term Offered: 2017 Spring

As the pedagogical paradigms and practices of higher education are innovated at Harvard and beyond, what claims or assumptions about cognitive and social psychology are being tested? How can concepts, principles, and evidence from the psychological sciences inform university-level learning and teaching, and how can applied educational research inform our basic understanding of mental and social processes? In this seminar, the varied phenomena of higher education today—from MOOCs and flipped classrooms to grading and procrastination—will be used as a proving ground for understanding and evaluating major ideas and evidence from psychology.

### PSY 2556 Advanced Topics in Moral Psychology

CourseID: 203612

Faculty: Fiery Cushman

Next Term Offered: 2018 Fall

A close study of contemporary research in moral psychology. Covers various psychological mechanisms supporting moral judgment and behavior, their development, their neural basis, and models of the biological and cultural evolution of morality. Particular attention is given to the function of morality.

### PSY 2650 Behavioral Approaches to Decision Making and Negotiation

CourseID: 115060

Faculty:

Next Term Offered:

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.

### PSY 2652 The Psychology of Cooperation

CourseID: 108989

Faculty: Felix Warneken

Next Term Offered:

Why and how do humans cooperate? What are the origins of these behaviors in human development and evolution? In this course we discuss how research in psychology, behavioral economics and primatology can provide insight into the foundation of human cooperation. This includes the study of empathy, altruism, fairness, and collaboration.

### PSY 2653 Experimental Methods for Behavioral Research

CourseID: 109000

Faculty:

Next Term Offered: 2018 Spring

This course is aimed at doctoral students who intend to conduct experimental and quasi-experimental research for the study of individuals' behavior in business (e.g., marketing, organizational behavior) and related disciplines (e.g., psychology). The primary objective of the course is to provide students with the concepts and tools needed for planning and designing laboratory experiments, and for collecting and analyzing behavioral data. The course will also discuss other methodologies that may be helpful when working with field sites (namely, field experiments and surveys). A secondary objective is to provide students the foundations for the methodological evaluation of other behavioral researchers' work - a skill that will be helpful in their role as future academic reviewers. The course thus covers the designs and analyses that are most often used by experimental researchers in psychology, organizational behavior, and also marketing. The course will be hands-on and oriented towards providing technical skills for the design and implementation of laboratory experiments, including overcoming possible pitfalls and common barriers. The course assignment will be for students to write a proposal outlining the theory, design, power analyses, and proposed analysis for a laboratory experiment. Our hope is that the students will conduct the research during the course or afterwards, and that this course will help design and conduct impactful and rigorous behavioral research. Overall goal The overall goal of the course is for students to understand that how they design their experiment (all aspects of it) has a large role in whether they can answer their research questions. Please note that the course will begin on Monday, September 8th.

### PSY 3250 Psychological Testing

CourseID: 118610

Faculty:

Next Term Offered: 2018 Spring

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.

### PSY 3450 Statistical Learning

CourseID: 110487

Faculty:

Next Term Offered: 2017 Spring

This course focuses on modern methods from the areas of Statistical Learning and Machine Learning (and Data Science). The first series of lectures covers basic regression techniques for ordinal data (ordinal/multinomial logit models) as well as advanced techniques such as generalized additive models, shrinkage methods, and friends. The next series covers advanced techniques of principal component analysis (PCA) such as independent component analysis (ICA), sparse PCA, and nonlinear (categorical) PCA. Another lecture series deals with clustering techniques such as simple hierarchical clustering, k-means, BIRCH, affinity propagation, and mixture models. The mixture model approach will then be embedded into a regression context in order to estimate regression models with unobserved heterogeneity. Finally, there will be a couple units on functional data analysis (FDA). All topics covered will be supported by corresponding computations in R. Lab units will focus R programming (R infrastructure, object oriented principles, package building) and on special topics such as fMRI data analysis in R.

### PSY 3490 Advanced Statistical Modeling and Psychometrics Using R

CourseID: 107774

Faculty:

Next Term Offered: 2018 Spring

This course introduces advanced statistical and modern psychometric methods such as Bayesian approaches (inference, predictions, MCMC), causal modeling (inference, moderator/mediator, graphical models), social network analysis (SNA measures, subgroups, visualization), multivariate exploratory methods (biplots, correspondence analysis, multidimensional scaling), item response theory, meta analysis, and machine/statistical learning (clustering, discriminant analysis support vector machines). All topics covered will be supported by corresponding computations in R. Lab sections will focus on Web Scraping, Text Mining, and data visualization.

## **PSY 34953 Research Design, Meta-Analysis, and Related Topics**

CourseID: 160180

Faculty:

Next Term Offered:

## **PSY 3560 Professional Development**

CourseID: 110489

Faculty:

Next Term Offered: 2018 Spring

## **PSY 3800 Psychometric Theory**

CourseID: 118008

Faculty:

Next Term Offered:

Covers basic psychometric theory and methods essential for reliable and valid measurement. Also covers conceptual issues in the assessment of individual differences (e.g., intelligence, personality).

## **PSY 3900 Professional Ethics**

CourseID: 112225

Faculty:

Next Term Offered: 2018 Spring

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.

## Religion, The Study of

### RELIGION 12 Critical Issues in the Comparative Study of Religion

CourseID: 128216

Faculty:

Next Term Offered:

The aim of this course is to introduce students to key categories in the study of religion, both within a comparative context and with significant attention to theoretical and methodological issues in the field. The specific topic of the course will vary from year to year. Topic examples include: scripture, ethics, ritual, body and practice, art, violence, gender and sexuality.

### RELIGION 13 Scriptures and Classics

CourseID: 110957

Faculty: William A. Graham

Next Term Offered: 2018 Spring

An introduction to the history of religion through selective reading in significant, iconic texts from diverse religious and cultural traditions. Considers important themes (e.g., suffering, death, love, community, transcendence) as well as problems of method and definition as they present themselves in the sources considered. Readings from texts such as the *Upanisads*, *Bhagavad Gita*, *Dhammapada*, *Lotus Sutra*, *Analects*, *Chuang Tzu*, *Gilgamesh*, *Black Elk Speaks*, *Aeneid*, *Torah*, *Talmud*, *New Testament*, and *Qur'an*.

### RELIGION 19 The Children of Abraham: An Introduction to Judaism, Christianity, and Islam

CourseID: 156939

Faculty:

Next Term Offered:

This course provides an introduction to the study of Judaism, Christianity, and Islam, often referred as the "Abrahamic" traditions. The course considers key moments in the history of these interrelated traditions, while also attending to how boundaries have been negotiated within and between traditions. Significant themes include scripture and authority; the role of history, revelation, and reason; law, ethics, and community; and the rise of modernity. The course will also consider the interpretive issues at stake in referring to these traditions as

"Abrahamic" faiths.

## RELIGION 47 Christian Ethics and Modern Society

CourseID: 156433

Faculty:

Next Term Offered:

This course provides an introduction to Christian conceptions of conduct, character, and community, as well as modern disputes over their interpretation and application. How are Christian principles related to modern ideals of freedom, equality, and democracy? What do Christian principles imply for contemporary issues related to religious pluralism, secularism, feminism, racism, and globalization? Readings will provide historical background and highlight a variety of contemporary perspectives and approaches to Christian ethics. Special emphasis will be given to current moral and political challenges, including war and peace, the environment, capitalism and consumption, abortion and euthanasia, and love, sexuality, and marriage.

## RELIGION 48 Catholicism Faces Modernity: Classics of Twentieth Century Roman Catholicism

CourseID: 109983

Faculty:

Next Term Offered:

This lecture course will deal with the major challenges of modernity that the Catholic Church faced in the Twentieth Century through an analysis of some theological classics of the century. Among the challenges to be considered are: the impact of historical critical studies on the understanding of Christianity, the philosophical critique of metaphysics and classical proofs for God's existence, the impact of the Protestant Reformation, the challenge of religious pluralism and religious freedom, the challenge of the modern world with its technological, communicative, and economic development, the changed relation of the church and state and to the claims of human rights. It will discuss these problems in relation to the writings of Maurice Blondel, Alfred Loisy, Jacques Maritain, Henri de Lubac, Yves Congar, Bernard Lonergan, John Courtney Murray, Karl Rahner, Documents of Vatican II, Gustavo Gutierrez, and select Papal Documents.

## RELIGION 52 Religion, Secularism, and Modernity

CourseID: 156451

Faculty:

Next Term Offered:

This course considers how lines between the *religious* and the *secular* have been drawn from the Enlightenment to the present. Although modernity has often been associated with critiques of religion and predictions of religious decline, such predictions have come under serious challenge, calling into question the possibility of drawing a clear distinction between tradition and modernity. Moreover, it has increasingly been argued that the category of *religion* (along with that of the *secular*) is itself a modern creation. Readings will offer historical and contemporary perspectives on how distinctions between religious and secular, traditional and modern, have developed and been challenged over the past several centuries, by religious adherents and critics alike.

### RELIGION 58 The Body in Christian Thought

CourseID: 159758

Faculty: Mayra Rivera Rivera

Next Term Offered: 2017 Fall

This course will help students become more knowledgeable about ideas, images, and stories that have shaped Christian understandings of the human body. Students will also engage influential theological texts and works of art from different contexts as examples of creative interpretations of Christian stories.

### RELIGION 126 Introduction to Human Rights and Justice

CourseID: 126795

Faculty: Francis Fiorenza

Next Term Offered: 2018 Spring

This course seeks to give an introduction to contemporary discussions about justice, human rights, and religion. It will survey the conceptions of rights within political theology and within contemporary theories of justice. Special attention will be given to the work of Rawls, Habermas, Nussbaum, Sen, Walzer, Sandel, Motlmann, Woltersdorf, and Schmitt. It will seek to show how a conception of human rights relates to religion with the framework of a discourse ethics.

### RELIGION 1001 Religion and Ethnography

CourseID: 123738

Faculty:

Next Term Offered:

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.

### RELIGION 1018 African American Religions: An Introduction

CourseID: 109755

Faculty: Jonathan Walton

Next Term Offered: 2017 Fall

The purpose of this course is to introduce students to the religious practices, beliefs, and movements of African Americans from 17th century to present. Topics include, but not limited to, black religions in North America under slavery, black churches, black Muslims, Jews and conjuring traditions, the civil rights movement, and the relation of African American religion to literature and music. Readings will include Albert Raboteau, Michael Gomez, Evelyn Brooks-Higginbotham, Barbara Diane-Savage, Karen McCarthy Brown and others.

### RELIGION 1019 Women, Gender and Religion in Colonial North America and the

United States

CourseID: 156253

Faculty:

Next Term Offered:

This course is an introduction to the history of women, gender, and religion in America. We will ask several related questions. How have religious communities shaped understandings of gender and sexuality? How have individuals used religious beliefs, texts, and practices to defend or criticize gender norms? Why has religion in America often been perceived as "feminine"? Among other topics, we will discuss conceptions of femininity and masculinity in early America, the ideology of "Republican motherhood" during the American Revolution, controversies over female preaching in the nineteenth century, Fundamentalist attitudes toward gender, and twentieth-century debates over contraception, women's ordination, and homosexuality. We will discuss a wide variety of religious communities in the United States, including Protestants, Catholics, Mormons, Spiritualists, Jews, Muslims, and Buddhists.

## RELIGION 1025B Anthropology of "the Religious" Part 2: Methods

CourseID: 126770

Faculty: Aisha Beliso-De Jesus

Next Term Offered:

See description for Religion 1025a.

## RELIGION 1042 Religious Tourism

CourseID: 128092

Faculty:

Next Term Offered:

This seminar will explore the relationship between "religion" and "tourisms." We will examine theories of "the tour" and the production of touristic moments in relation to contemporary modernist movements and subjectivities including cosmopolitanisms, emigration, travelogues and the notion of "the tourist." This engagement will juxtapose conceptions of "religion" encompassed broadly within ritual, spiritual, diasporic and esoteric practices-as-tours. We will read ethnographies of religious tourisms in different trans-local sites, exploring the engagement with issues of commodification and religion, religion and the state, religion and nationalisms, and the inciting of touristic desires.

## RELIGION 1056 Secularism, Pluralism, and the Category of Religion

CourseID: 156643

Faculty:

Next Term Offered:

This course will explore how secularism and pluralism have figured in recent scholarship on the construction of the category of religion. We will begin by asking how prominent theorists of secularization and pluralization have described these processes and their relation to one another, before turning to the question of how these processes relate to the -isms they inspire: secularism and pluralism. After laying these foundations, we will consider how historians of American religion have portrayed secularism, pluralism, and the relationship between the two, with an eye to the historical metanarratives their treatments imply. Does a robust defense of religious pluralism require an embrace of secularism or antagonism to it? Do secularism's claims to neutrality undermine religious pluralism or allow it to flourish? Are secularism and pluralism opposed to one another, or are they closely related concepts?

## **RELIGION 1080 Modern States and Religion**

CourseID: 126909

Faculty:

Next Term Offered:

This seminar examines the relationship between modern states and Islam in Muslim majority countries and elsewhere. We will analyze institutional arrangements from separation to establishment, and we will examine the meanings of “secularism” and of the “Muslim state” as modern projects. We will explore what the formation of modern states in the Muslim world owes to Islam and to Islamist movements and ideologies. More broadly, the seminar will examine the general consequences of the modern states' engagement with religion, and will explore new research paths on Islamist ideologies and political Islam. Readings will include secondary literature (historical, theoretical, as well as quantitative) and primary sources in Arabic or in translation.

## **RELIGION 1134 Genesis: Narrative Artistry and Theological Meanings**

CourseID: 112855

Faculty: Jon Levenson

Next Term Offered: 2017 Fall

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.

## **RELIGION 1232 Ancient Jewish Wisdom Literature**

CourseID: 122312

Faculty: Jon Levenson

Next Term Offered: 2019 Spring

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 about such figures as Joseph, Esther, and Daniel. Egyptian and Mesopotamian antecedents and parallels briefly considered. Emphasis on matters of worldview and literary form.

## **RELIGION 1325 Ancient Greek Sanctuaries: Mysteries of Initiation**

CourseID: 156224

Faculty:

Next Term Offered:

Using three renowned sanctuaries at - Brauron, Eleusis, and Samothrace - as foci, this course will consider the role of initiation in ancient Greece in the wider context of mystery cults. We will attend to the archaeological and literary evidence as well as to relevant secondary scholarship.

### RELIGION 1404 Early Christianity in the Roman Empire: Apologetics and Philosophy

CourseID: 124542

Faculty:

Next Term Offered:

This course explores New Testament and early Christian literature of the first three centuries alongside contemporaneous Greco-Roman writings. We will investigate how Christians presented themselves as defenders (apologists) of their philosophy and how they depicted their relations with Roman imperial power and Greek *paideia*. Special focus will be given to themes of violence, spectacle, the body, justice, contestations over theology and piety, and ancient definitions of religion and atheism.

### RELIGION 1419 Jesus of Nazareth and the Gospels

CourseID: 156292

Faculty:

Next Term Offered:

An investigation of the Gospels of the New Testament (Matthew, Mark, Luke, John) and other ancient Christian Gospel literature (Gospel of Thomas, Dialogue of the Savior); discussion of the developments from the oral traditions about Jesus to their written fixation and of the theological and communal concerns that influenced this process. Discussion of the question of the ``historical Jesus.''

### RELIGION 1424 Greek Exegesis of Mark

CourseID: 109540

Faculty:

Next Term Offered:

The course will be devoted to a close reading and interpretation of the Gospel of

Mark. The Greek text will be discussed with specific attention paid to literary structures, textual critical issues, historical context, and history of interpretation.

### RELIGION 1426 Apocalyptic Literature of the Second Temple Period

CourseID: 109541

Faculty:

Next Term Offered:

The main focus of this course will be on the apocalyptic literature of the Second Temple and early Christian periods through the close reading in translation of four representative texts (1 Enoch, Daniel, the Apocalypse of John, and 4 Ezra). The course will not be limited to the reading of apocalyptic texts, but it intends to address the main themes that characterize historical research on and the exegesis of this subject, as the definition of the apocalyptic genre, the counter-hegemonic elements in the texts, or the role of violence, which often informs apocalyptic imagery.

### RELIGION 1429 Augustine and His Heretics

CourseID: 125672

Faculty:

Next Term Offered:

This course will survey Augustine of Hippo's theological career through the lens of his encounters with three "heresies" of Roman North Africa: Manichaeism, Donatism, and Pelagianism. Particular attention will be paid to following themes: evil, freedom, the will, and selfhood.

### RELIGION 1430 History of Western Christianity, 400-1300

CourseID: 160178

Faculty:

Next Term Offered:

Church and society in Western Europe from the 5th century through the 13th. Early and high medieval Christianity in its social and cultural context, with attention to popular religious belief and behavior as well as to the institutional church and its leaders.

### RELIGION 1439 How Do You Read? Introduction to Biblical Interpretation

CourseID: 156027

Faculty:

Next Term Offered:

This course is a basic introduction to how we make meaning when reading the Bible. We will explore the different paradigms of interpretation which scholars have developed and explore their meaning-making capacities in terms of an ethics of interpretation. Special attention will be given to new approaches such as *Signifying Scriptures*, *Scriptural Reasoning*, or *Bibliodrama*. The course process seeks to embody a democratic ethos of study and deliberation, of knowledge and socio-cultural religious location. Reflection papers, group-discussions, and working with texts provide opportunities for such collaboration.

### RELIGION 1441 Greek Exegesis of 1 Corinthians

CourseID: 109529

Faculty:

Next Term Offered:

The course is devoted to close reading and interpretation of 1 Corinthians. Discussion of the Greek text of 1 Corinthians will focus on literary style, use of rhetoric, philology, and the social and theological issues of the text.

### RELIGION 1442 "That God May Be All in All": Origen of Alexandria and the Roots of Christian Universalism

CourseID: 156031

Faculty:

Next Term Offered:

This course will survey the life and writings of the third-century Christian writer, Origen of Alexandria, widely regarded as one of the greatest and most influential theologians of late antiquity. Much attention will be given to his overall cosmological frame, including such notions as double creation, salvation understood as pedagogy or embodied rehabilitation, and universal salvation understood as *apokatastasis* or the *restoration of all things*. Attention will also be paid to his scriptural exegesis, and how the practice of biblical interpretation fits into his overall cosmology and soteriology.

### RELIGION 1448 Mystical Theology

CourseID: 156030

Faculty:

Next Term Offered:

This course will examine the history of mystical theology in early and medieval traditions of Christianity. Through a close reading of primary texts in translation students will engage questions of divine mystery, transcendence, and hiddenness; the practice of affirmation (kataphasis) and negation (apophasis); mystical union; and the limits of language.

### RELIGION 1450 History of Christian Thought: The Medieval West

CourseID: 156087

Faculty:

Next Term Offered:

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 of theology as it emerges in multiple contexts within the medieval West.

### RELIGION 1460 Christianity and Slavery in America, 1619-1865

CourseID: 156257

Faculty:

Next Term Offered:

This course will explore the relationship between Christianity and slavery from 1619, when the first African slaves arrived in Virginia, to the Emancipation Proclamation of 1865. We will discuss biblical defenses of slavery, "scientific" racism, plantation missions, slave resistance and rebellion, abolitionism, and slave worship and theology. Readings include African-American memoirs, fugitive slave narratives, proslavery sermons, abolitionist newspapers, and interviews with ex-slaves. Students will also analyze visual representations of slavery and listen to slave spirituals.

### RELIGION 1469 Prophetic Pulpit: Preacher as Intellectual

CourseID: 203580

Faculty:

Next Term Offered:

The purpose of this course is to introduce students to the intellectual tradition of Protestant preaching as both spiritual witness and prophetic resistance in the United States. The ultimate aim of this course is threefold: 1.) Clarify the role of the

public intellectual within the prophetic tradition, 2.) Identify opportunities and limitations of the preacher as public intellectual due to factors such as gender/class and racial hierarchies, 3.) Encourage students to craft sermons that are biblically based, exegetically sound, and that can address the cultural and political economies of the dominant society. Intellectuals engaged in the course include, but are not limited to, William Sloane Coffin, Pauli Murray, and Gardner C. Taylor.

## RELIGION 1489 Christianity, Capitalism, and Consumerism in Colonial North America and the United States

CourseID: 156256

Faculty:

Next Term Offered:

This course asks how Christianity has both shaped and reflected economic developments in America from the eighteenth century to the present. Besides examining diverse Christian attitudes toward consumerism and capitalism, we will ask how economic developments have shaped understandings of God and the self. Among other topics, we will explore the rise of the consumer revolution in the eighteenth century, the relationship between capitalism and slavery, Christian responses to industrial capitalism, Christian marketing techniques, and the popularity of the prosperity gospel in modern-day America.

## RELIGION 1491 Power and Piety: Evangelicals and Politics in the Contemporary U.S.

CourseID: 156401

Faculty:

Next Term Offered:

This course will examine the history, beliefs, practices and aesthetics of evangelical Christians in the United States, paying particular attention to the relationship between evangelical theology and national politics since the American Civil War. Topics covered will include: the development of the Social Gospel; the Niebuhr Brothers and neo-orthodox theology; women's suffrage and Civil Rights; the "Southern Strategy" and the rise of the so-called Religious Right; as well as Christian Reconstructionism.

## RELIGION 1497 Evangelicalism in America

CourseID: 156250

Faculty: Catherine Brekus

Next Term Offered: 2018 Spring

This course focuses on the American evangelical movement from the 1740s to the present. Beginning with the rise of transatlantic evangelicism in the eighteenth century, we will explore the role of evangelicals in the American Revolution, the revivals of the Second Great Awakening, the crisis caused by slavery, the Fundamentalist-Modernist controversy in the early twentieth century, the emergence of Pentecostalism and the Charismatic Movement, the controversies created by neo-evangelicalism in the 1940s, the relationship between evangelicism and the civil rights movement, the political activism of the Christian Right, and contemporary evangelical attitudes toward gender and sexuality. Readings will introduce students to both evangelical ideas and practices. Throughout the course, we will focus on the historical development of evangelicism and the relationship between evangelicals and American culture.

### RELIGION 1502 The Philosophical Reinvention of Christianity

CourseID: 156103

Faculty:

Next Term Offered:

A study of how some of the major philosophers of the West -- many of whom considered themselves Christians -- interpreted Christianity. Through the lens of the philosophical account of Christianity, we consider the content of the Christian message and its implications for the conduct of life and the organization of society. We also explore, from this perspective, the nature of religious experience and its relation to the ambitions of philosophy. Readings drawn from the works of Aquinas, Nicholas of Cusa, Kant, Hegel, Kierkegaard, Nietzsche, and others as well as from the writings of twentieth-century theologians who have worked across the contested frontier between philosophy and theology.

### RELIGION 1512 Cities on a Hill: Images of America as a Redeemer Nation,

1630-present

CourseID: 156249

Faculty:

Next Term Offered:

Beginning with John Winthrop's 1630 speech, "A Model of Christian Charity," and ending with the 2012 presidential election, we will examine images of America as a city on a hill. We will ask several questions: How and why have Americans conceived of the nation in sacred terms? How have religious images of the nation developed and changed over time? What are the implications of America's "civil religion"? We will discuss the Puritan idea of a national covenant, the millennial

rhetoric of the American Revolution, defenses of manifest destiny, the sacrificial theology of the Civil War, religious and political rationales for global missions, the rise of the Christian Right, and presidential invocations of America as a city on a hill. We will also examine how women's rights leaders, abolitionists, and civil rights activists both critiqued and appropriated the image of America as a city on a hill.

### RELIGION 1533 Attention and Engagement in Contemporary American Poetry

CourseID: 156086

Faculty:

Next Term Offered:

An exploration of the interplay of aesthetics, politics, and religion in contemporary American poetry. Poets to be read will likely include Juliana Spahr, Claudia Rankine, Susan Howe, Dan Beachy-Quick, C.D. Wright, Elizabeth Robinson, Lisa Robertson, Anne Carson, Jorie Graham, Myung Mi Kim, and Harryette Mullen.

### RELIGION 1537 Political Theology

CourseID: 156300

Faculty:

Next Term Offered:

This seminar examines will explore major figures and issues within political theology. The focus will be on the relation between religion and society, especially public and political life. The seminar will consider the relation between the development of diverse modern political theologies and their contrasting interpretations of modernity. It will also focus on relation between political theology and the notions political justice, law, and human rights. Special emphasis to the work of Schmitt, Agamben, Metz, Moltmann, Charles and Mark Taylor, Wolterstorff, Nancy Fraser, Iris Young, Amartya Senn, Martha Nussbaum, and Jürgen Habermas.

### RELIGION 1544 Unitarian and Universalist Thought in the Nineteenth Century

CourseID: 125807

Faculty:

Next Term Offered:

This seminar will explore the intellectual shapers of the Unitarian and Universalist traditions in the nineteenth century, with special attention to the founders and formative theologians of each tradition, the challenges of Transcendentalism and Spiritualism, and the interactions of Unitarianism and Universalism with broader

currents of religious liberalism in the United States. Male and female, lay and ordained, elite and popular thinkers will all be represented. Featured writers may include John Murray, Judith Sargent Murray, Hosea Ballou, Joseph Priestley, William Ellery Channing, Andrews Norton, Hannah Adams, Ralph Waldo Emerson, Margaret Fuller, Theodore Parker, Lydia Maria Child, Adin Ballou, James Freeman Clarke, Lucy Stone, Francis E. Abbot, Frances Ellen Watkins Harper, and Celia Parker Woolley.

### RELIGION 1554 The Religious History of American Women: Seminar

CourseID: 156294

Faculty:

Next Term Offered:

Takes the numerical dominance of women in most religious groups as the point of departure for an exploration of American history focusing on the interrelation of gender systems and religious world views. Topics include witchcraft, African American women evangelists, ideologies of domesticity, and the relation of gender to religious dissent, among others. The course emphasizes historical research methodology using gender as a category of analysis.

### RELIGION 1559 Unitarian and Universalist Thought in the Twentieth Century

CourseID: 126758

Faculty:

Next Term Offered:

This seminar will explore the major shapers of the Unitarian and Universalist traditions in the twentieth century, with special attention to the influence of the social gospel, religious humanism, process thought, and liberation theology. Featured writers will include Francis Greenwood Peabody, Clarence Skinner, John Haynes Holmes, Charlotte Perkins Gilman, Curtis Reese, Frederick May Eliot, James Luther Adams, Sophia Fahs, Henry Nelson Wieman, Charles Hartshorne, A. Powell Davies, Kenneth Patton, William R. Jones, and Rebecca Parker.

### RELIGION 1584 Twentieth Century Theological Method: An Introduction

CourseID: 109901

Faculty:

Next Term Offered:

The question how one goes about thinking theologically□n light of the

situated-ness of language, human experience, other domains of knowledge, and a deepening understanding of the contextual location of theological expression□s a dominant concern for Christian theology in the twentieth and twenty first centuries. This course provides an introduction to the contemporary context for theological reflection by exploring conversations around method and the nature of theology in selected key twentieth century figures, such as Barth, Bultmann, Tillich, Daly, Cone, Kaufman, Tracy, Schüssler Fiorenza, Lindbeck, Grant, Milbank.

### **RELIGION 1590 Issues in the Study of Native American Religion**

CourseID: 156296

Faculty: Ann Braude

Next Term Offered: 2017 Fall

Based around a series of traditionalist guest speakers, this course interrogates the study of religion in general and of Native American traditions in particular in light of indigenous religious experiences, perspectives and histories. Questions of appropriation, repatriation and religious freedom will be approached through legal as well as cultural frameworks.

### **RELIGION 1602 Lived Religion in South Asia**

CourseID: 110433

Faculty:

Next Term Offered:

This course explores the lives, practices, and experiences of contemporary South Asians from Hindu, Muslim, Jain, and Sikh perspectives. Concepts central to South Asian worldviews will be carefully considered in the context of both rural and urban day-to-day activities, rituals, and family life. Readings are drawn from a wide range of ethnographic literatures, and films documenting a diverse range of religious, cultural, and social settings from across South Asia will frequently be shown.

### **RELIGION 1610 Householders and Ascetics: An Introduction to Religions of South Asia**

CourseID: 110222

Faculty:

Next Term Offered:

This course introduces the remarkable diversity of religious literature, philosophical thought, ritual and contemplative practices, and cultural forms that

have emerged on the South Asian subcontinent. Focusing on Hinduism, Buddhism, and Jainism, the course examines common South Asian religious patterns in the areas of textual practices, social institutions, and contemplative traditions. We will explore intellectual achievements and religious experiences lived by householders and ascetics alike. By engaging with South Asian materials and becoming familiar with the scholarship in the field, students will gain refined perspectives on religions in the world.

### RELIGION 1660 The Brhadaranyaka Upanisad with Sankara's Commentary

CourseID: 125635

Faculty:

Next Term Offered:

This seminar is for students interested in the study of primary Indian/Hindu texts, read in translation and in the context of a comparative dynamic of reading across the boundaries of traditions. The Brhadaranyaka Upanisad, Sankara's commentary on it (plus excerpts from Suresvara's Vartikas), will be read (in English) along with short examples from Christian theological/commentarial literature.

### RELIGION 1705 Tibetan Religions

CourseID: 126614

Faculty:

Next Term Offered:

A close look at practices and cultural productions of Tibetan Buddhism and other religious traditions in light of their distinctive historical contexts in Tibet. Topics include: yogic, lay, and monastic religions; visionary practices; religion, magic and the state; Buddhism in literature and art; medicine and Buddhism; death and reincarnation practices; the creation of sacred landscape; and certain distinctive literary genres including "mind training," "advice" writings, self-revelatory autobiography; and religious historiography. Throughout the course we will be considering a number of new publications that have recently enriched our understanding of Tibetan religious cultures and institutions.

### RELIGION 1706 Dharmas, Emptiness, and Idealism

CourseID: 109696

Faculty:

Next Term Offered:

A very close and contextual reading (in translation) of Buddhist ``doctrinal'' and ``philosophical'' texts. We will select chapters from Vasubandhu's *Treasury of Metaphysics*, Nagarjuna's *Basis of the Middle Way*, and Vasubandhu's *Twenty Verses*. Attempt to understand these texts on their own terms and in their South Asian contexts, while also inquiring into their significance for the study of Buddhism and religion in South Asia.

### RELIGION 1722 Buddhist Ethics

CourseID: 125677

Faculty:

Next Term Offered:

A systematic exploration of Buddhist views of moral anthropology and the place of moral reflection in Buddhist thought and practice. The scope of the course is wide, with examples drawn from the whole Buddhist world, but the emphasis will be given to the particularity of different Buddhist visions of human flourishing. Attention will also be given to the challenges and promises of describing Buddhist ethics in a comparative perspective.

### RELIGION 1742 Introduction to Buddhist Narrative and Story Literature

CourseID: 125676

Faculty:

Next Term Offered:

An introduction to the study of narrative and story literature in the Buddhist world. A primary focus will be on the narrative and story literature found in Buddhist scriptures and commentaries, but there will also be consideration of examples of narrative and story literature that circulated independently. Examples will be drawn from across the Buddhist world.

### RELIGION 1752 Buddhist Logic and Epistemology: In the Wake of Dignaga

CourseID: 156658

Faculty:

Next Term Offered:

An advanced introduction to the roughly 800 year history of the Buddhist Epistemological tradition in India through a reading of primary sources in translation and recent secondary scholarship.

## **RELIGION 1802 Introduction to Islamic Mysticism: The Sufi Tradition**

CourseID: 113442

Faculty: Ali S. Asani

Next Term Offered: 2017 Fall

Introductory survey of Sufism, focusing on its fundamental concepts, ritual practices, institutions, and its impact on literary and sociopolitical life in different Muslim societies.

## **RELIGION 1950 Issues in the Study of Native American Religion**

CourseID: 126394

Faculty:

Next Term Offered:

Based around a series of traditionalist guest speakers, this course interrogates the study of religion in general and of Native American traditions in particular in light of indigenous religious experiences, perspectives and histories. Questions of appropriation, repatriation and religious freedom will be approached through legal as well as cultural frameworks.

## **RELIGION 2015 Secular Death**

CourseID: 156085

Faculty:

Next Term Offered:

If secularism privileges the temporal over the eternal, what are the ramifications for how death is thought by those who live within a secular frame? We will explore the question as it is posed and answered, however provisionally, within modern Western philosophy, literature, and the visual arts. Material will include work by Henry James, William James, Sigmund Freud, Martin Heidegger, Herbert Marcuse, Carole Maso, Janet Kauffman, and Susan Howe.

## **RELIGION 2018 Women, Religion, and the Problem of Historical Agency**

CourseID: 156255

Faculty:

Next Term Offered: 2016 Fall

This course examines recent scholarship on women in American religious history, focusing particularly on questions of narration, agency and power. We will ask

several interrelated questions: How have historians integrated women into narratives of American religious history? Whose stories have they highlighted, and why? How have they conceptualized women as historical agents? We will read major interpretive works as well as theoretical accounts of gender, social structure, and power. Readings will explore the diversity of religious traditions in America, including Puritanism, Judaism, Mormonism, Catholicism, African-American Christianity, evangelicalism, and Islam.

### RELIGION 2030 Thinking About History in South Asia: Seminar

CourseID: 109509

Faculty:

Next Term Offered:

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.

### RELIGION 2422 Witchcraft in Early Christianity

CourseID: 109539

Faculty:

Next Term Offered:

The course will examine the phenomena of witchcraft in selected early Christian texts to explore its socio-cultural and rhetorical implications by positing them within the broader context of Greco-Roman culture and society.

### RELIGION 2442 Dante and his World: Poetry, Politics and Piety

CourseID: 156641

Faculty:

Next Term Offered:

This seminar is designed to provide a historical overview of the ecclesiastical and political society in which Dante was nourished and from which he was exiled in order better to understand this great fourteenth century Christian epic, known originally simply as the Commedia, the poem in three large parts we will spend our time reading critically against that background. We will be using some of Dante's minor works and his own biography to appreciate the poem more deeply. Among the medieval ecclesiastical and political themes we will be studying include the medieval mystical and neoplatonic tradition of journeys (*itineraria*) to God; the influence of scholastic, especially Thomistic theology; the four-fold sense of

scriptural interpretation; the late-medieval papacy; the strife between Guelfs and Ghibellines; the influence of Roman epic; the inspiration of St. Francis and the Franciscans; the rise of the city; numerological patterns, especially threes, in pre-modern Christian thought; the medieval cosmos; and the literary afterlife of the poem.

## RELIGION 2450 New Testament Ethics and Theology

CourseID: 109022

Faculty:

Next Term Offered:

The seminar will focus on both ethical discourses in the NT and on the ethics of interpretation. Special attention will be given to the rhetoric of subordination and empire and how they have shaped the theological vision, symbolic worlds and rhetorical practices of NT writings. We also will explore how the theoethical discourses of the NT have shaped and still shape religious communities and society today. The seminar will engage in a collaborative style of learning.

## RELIGION 2455 Aquinas: Incarnation, Narration, Sacrament

CourseID: 156091

Faculty:

Next Term Offered:

At the center of the *Summa of Theology*, the reader finds a broad analysis of the motives and purposes of human action. But the analysis remains incomplete until Thomas takes up the incarnation, narrated life, and memorial sacraments of the Christ. Incarnation is the pedagogical principle that makes moral formation possible. It also justifies the teaching of Christian theology, not least in a *summa*. This course will read selected questions from Thomas's *Summa*. It will seek to understand the logic of divine teaching that explains God's choice to become incarnate, the events of Jesus's life, and the legacy of sacramental scenes of instruction. It will then ask how this logic was already at work in Thomas's description of moral life, perhaps especially in his treatments of the passions, the succession of laws, and vocation to a way of life.

## RELIGION 2482 Facism, the Churches and Antisemitism, 1919-1945

CourseID: 110432

Faculty:

Next Term Offered:

In this course we will examine the emergence in the interwar period in Europe, especially in Italy and Germany of fascist and totalitarian regimes. The focus of the course will be on the relationship of the churches to these regimes and to the importance and effects of antisemitism in these regimes. Note: Minimum of one year of European history, preferably in the post-medieval period.

### RELIGION 2488 Queer Theology, Queer Religions

CourseID: 155997

Faculty:

Next Term Offered:

According to one narrative, the encounter or collision of feminist, liberationist, and erotic theologies mainly within Christianity has produced something called queer theology. Wherever it comes from, whatever its exact genealogy, queer theology has attracted or claimed writers working on the whole range of theological topics, from scriptural exegesis or doctrines of God to ethics and liturgy. This course will attempt both to sample what has been written and to speculate about what might be written next.

### RELIGION 2500 Character of God in Early America

CourseID: 110304

Faculty:

Next Term Offered:

From the arbitrary sovereign of the Calvinists to the feminized Lord of the Moravians to the predictable creator of the Deists, perceptions of God ran the spectrum in early America. Many of the key debates of the period—about science and slavery, monarchy and poverty, scripture and disestablishment—fell back on assumptions about the character of Deity. This course examines the most prominent positions on the divine character and considers the ways they shaped the cultural developments of the period. As the culminating experience of the course, students write a substantial paper that seeks to draw a portrait of divinity from a prominent cultural artifact of the period, such as the abolitionist newspaper *The Liberator*, the Declaration of Independence, or the novels of Nathaniel Hawthorne

### RELIGION 2520 Postcolonialism and Religion

CourseID: 156034

Faculty:

Next Term Offered:

## **RELIGION 2570 Merleau-Ponty and his Readers**

CourseID: 156033

Faculty:

Next Term Offered:

This advanced level seminar engages on selected works by Maurice Merleau-Ponty. It focuses on the influence of Christian ideas on his work and the relationship between philosophy and theology. It also engages the works of thinkers influenced by Merleau-Ponty, including Franz Fanon, Judith Butler, and others.

## **RELIGION 2575 Poetry and the Archive**

CourseID: 204025

Faculty:

Next Term Offered:

Much contemporary American poetry in English, both in the United States and in Canada, roots itself in documentary and archival work, telling often fractured and multi-vocal stories about particular places, times, environments, and events. The course will explore key examples of this work while also asking what it tells us about the archive, what it means to document or to archive, and what the impulse toward documentation and documentary might be about. Authors to be read will likely include Susan Howe, C. D. Wright, Erin Mouré, Brenda Coulter, S. Nourbese Philip, Jill Magi, Rachel Zolf, Mark Nowak, and Rob Halpern.

## **RELIGION 2640 New Directions in Hindu Studies**

CourseID: 110436

Faculty:

Next Term Offered:

What does it mean to study South Asian religions in a postcolonial context, in the wake of scathing critique, in light of the work of Said, Chakrabarty, Inden, Pollock, and others? Through careful examination of recent works in the field, this seminar explores the current state of Hindu Studies and assesses possible directions for future work.

## **RELIGION 2730 Agency, Spontaneity, and the Education of the Emotions: Buddhist Path Writing and Meditation Theory**

CourseID: 156161

Faculty:

Next Term Offered:

The first section of this course will study writings that exhort us to take up the Buddhist path. The second part will turn to meditation theory. The third section will consider how study of the modes of being encouraged in path writings can shed light on the relationship between meditation practice and breakthrough. The course readings, all in English translation, will be chapters from Visuddhimagga, Abhidharmakoś, Abhisamaya\lamka\ra, and Indo-Tibetan path literature.

## **RELIGION 3005 Doctoral Colloquium in Religion, Gender, and Culture**

CourseID: 114585

Faculty:

Next Term Offered:

The Religion, Gender, and Culture Colloquium explores the intersections of feminist theory with feminist theologies and gender studies in religion.

## **RELIGION 3490 Colloquium in Religious and Theological Thought**

CourseID: 117098

Faculty:

Next Term Offered:

This course is intended for doctoral students and advanced masters students, and focuses periodically on a selected issue or theme in theology and religious thought, or questions in ethics, philosophy and society that are of importance for theology and religious thought.

Topic for Fall 2015: we will explore the significance of developments in contemporary French philosophy for the understanding of issues of religion, theology, ethics, and political theory.

## **RELIGION 9999 TEST**

CourseID: 159764

Faculty:

Next Term Offered:

This is a test course

## **Regional Studies - East Asia**

**RSEA 399 Reading and Research**

CourseID: 146386

Faculty:

Next Term Offered:

Candidates for the A.M. degree in Regional Studies--East Asia may undertake reading and research in an approved area of their choice under the direction of a member of the Faculty. Graded SAT/UNSAT.

## Slavic Languages and Literatures

RUSS BTA Intermediate Russian through Authentic Texts (Russian through Bulgakov I)

CourseID: 146663

Faculty:

Next Term Offered:

Part one of a two part intermediate course in Russian language and culture through reading of what is arguably 20th-century Russia's greatest novel, Mikhail Bulgakov's *The Master and Margarita*. This literary and linguistic approach to Intermediate Russian has a strong emphasis on reading authentic Russian, but all four major communicative skills (speaking, listening comprehension, reading, writing) are stressed as students learn to use the language both as a means of communication and as a tool for reading and research. Further development of vocabulary and oral expression within a comprehensive review of Russian grammar. Systematic study of word formation and other strategies are taught to help free students from excessive dependence on the dictionary and develop confidence in reading. Any full course in Russian at the B-level (Russian Ba-Bb, Russian Bta-Btb, or Intensive Russian Bab) will prepare students for continued study of Russian at the advanced level (Russian 101) and for study or travel abroad in Russian-speaking countries.

Please see [language course notes on our website](#) for information about sectioning, pass/fail, satisfactory/unsatisfactory, auditing, and language track information.

RUSS BTB Intermediate Russian through Authentic Texts (Russian through Bulgakov II)

CourseID: 159659

Faculty:

Next Term Offered:

Part two of a two part intermediate course in Russian language and culture through reading of what is arguably 20th-century Russia's greatest novel, Mikhail Bulgakov's *The Master and Margarita*. This literary and linguistic approach to Intermediate Russian has a strong emphasis on reading authentic Russian, but all four major communicative skills (speaking, listening comprehension, reading, writing) are stressed as students learn to use the language both as a means of communication and as a tool for reading and research. Further development of

vocabulary and oral expression within a comprehensive review of Russian grammar. Systematic study of word formation and other strategies are taught to help free students from excessive dependence on the dictionary and develop confidence in reading. Any full course in Russian at the B-level (Russian Ba-Bb, Russian Bta-Btb, or Intensive Russian Bab) will prepare students for continued study of Russian at the advanced level (Russian 101) and for study or travel abroad in Russian-speaking countries.

Please see [language course notes](#) on our website for information about sectioning, pass/fail, satisfactory/unsatisfactory, auditing, and language track information.

### RUSS 115 Advanced Russian for Academic and Professional Communication

CourseID: 130702

Faculty:

Next Term Offered:

Emphasis on close reading and stylistic analysis of the Russian language with continued development of grammatical, sociolinguistic, strategic, and discourse competencies at an advanced level. Emphasis on reading with considerable practice in speaking, presenting, and writing for professional and academic purposes.

### SLAVIC BAB Intermediate Russian (Intensive)

CourseID: 160182

Faculty:

Next Term Offered:

Covers essentially the same material as Slavic B, but in one semester.

### SLAVIC 125 Modern Russian in Historical Perspective

CourseID: 160167

Faculty:

Next Term Offered:

Analysis of the anomalies of Modern Russian orthography, phonology,

morphology, and syntax in light of historical development.

### SLAVIC 141 Russian Drama and Performance

CourseID: 108365

Faculty: Julie A. Buckler

Next Term Offered: 2017 Fall

Investigates performance and theatricality in imperial, Soviet, and post-Soviet contexts, in both art and life, through broad exploration of theoretical underpinnings (classical dramatic theory to contemporary performance studies) and case studies from drama, opera, ballet, film, musicals, performance art, religious ritual and folk festival, monarchy and court, mass spectacles, Cold War competitions and diplomacy, subcultures, and contemporary assertions of new orders.

### SLAVIC 142 Russian and Soviet Avant-Garde Theater

CourseID: 159558

Faculty:

Next Term Offered:

Explores the wave of radical reforms and revolutions in drama, staging and acting methods and systems, from Anton Chekhov and Konstantin Stanislavsky to Vladimir Mayakovsky and Vsevolod Meyerhold. Examines plays and productions against the broader Russian and early Soviet cultural, political and social background. Key notions include: emotional memory, biomechanics, Constructivism, theatricalization of life. Follows the effects innovative theories and practices in Russian and Soviet theater had on the style of film and stage productions as well as theater and drama studies across Europe and in the United States, including Brecht's *Verfremdung*, Method acting, and performance theory.

### SLAVIC 147 Soviet Film After Stalin

CourseID: 125616

Faculty:

Next Term Offered:

Considers the intersection of film and politics during the "thaw" years after Stalin's death, as well as themes of sexuality, gender, and violence in Russian culture of the 1960s and 1970s. Examines several films by Kalatozov, Tarkovsky, Paradjanov, and Shepitko which are well known for their innovation in form and narrative.

## **SLAVIC 150 Moscow and St. Petersburg**

CourseID: 108383

Faculty: Julie A. Buckler

Next Term Offered: 2018 Spring

Explores the literary and cultural histories of Russia's two capital cities, their "urban geographies" and representations in visual and performing arts. Includes Pushkin, Gogol, Dostoevsky, Tolstoy, Chekhov, Bely, Zamyatin, Bunin, Bulgakov, Nabokov, Erofeev, Bitov, Tolstaya, Pelevin, Sokurov, Balabanov, Bekmambetov.

## **SLAVIC 155 Dostoevsky**

CourseID: 119711

Faculty: William Todd

Next Term Offered:

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.

## **SLAVIC 157 Some Versions of Russian Pastoral**

CourseID: 108353

Faculty:

Next Term Offered:

Readings of 18th- through 20th-century Russian literature, including prose and verse by Karamzin, Pushkin, Sergei Aksakov, Goncharov, Turgenev, Saltykov-Shchedrin, Tolstoy, and Gorky. Discussion focuses on contemporary cultural contexts and on theoretical issues.

## **SLAVIC 159 War and Peace**

CourseID: 156075

Faculty: Justin Weir

Next Term Offered: 2017 Fall

**SLAVIC 166 Russian-Ukrainian Literary Relations in the 19th Century: Conference Course**

CourseID: 133069

Faculty:

Next Term Offered:

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."

**SLAVIC 167 Revolutionary Ukraine: Between the Russian Revolution and the Euromaidan of 2014**

CourseID: 156680

Faculty:

Next Term Offered:

Focus on Ukrainian avant-garde literature and film, in the context of modernism, socialist realism, the impact of Stalinism, the famine (Holodomor), WWII and the Holocaust, late Sovietism and dissent, Crimea and the Tatars, collapse of the USSR and independence, varieties of post-modernism, and the present conflict with Russia. Also forays into visual art.

**SLAVIC 169 20th-Century Ukraine: Literature, Arts, and Society**

CourseID: 156156

Faculty:

Next Term Offered:

Examines main currents in Ukrainian intellectual and cultural expression from the eve of the Russian Revolution, through the formation and dissolution of the USSR, to the "Orange Revolution" (2004). Topics include populism vs. modernism, nationalism vs. socialism, Literary Discussion of the 1920s, Stalinism, Glasnost, linguistic, and national identity. Focus on literature, film (Dovzhenko, Paradzhanov, Illienko), and theater (Kurbas); guest lectures on music and art.

**SLAVIC 173 Polish Romanticism**

CourseID: 156610

Faculty:

Next Term Offered:

Overview of the major artistic and intellectual trends and close reading of key works by the major writers: Malczewski, Mickiewicz, Slowacki, Krasinski, and others. Focus also on the central role of Romanticism in Polish culture.

### **SLAVIC 177 Postwar Polish Poetry**

CourseID: 205084

Faculty:

Next Term Offered:

### **SLAVIC 180 Russian Symbolist Poetry**

CourseID: 118240

Faculty:

Next Term Offered:

A survey of the history of the Symbolist movement in Russia with emphasis on close reading of poetry by its major figures.

### **SLAVIC 181 Russian Poetry of the 19th Century**

CourseID: 146827

Faculty:

Next Term Offered:

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.

### **SLAVIC 183 Reading Anna Karenina**

CourseID: 110329

Faculty:

Next Term Offered:

A course for students who want to read one of the great novels of the 19th century in the original Russian. To be tailored for students with different levels of Russian fluency.

**SLAVIC 184 The Catastrophic Imagination: Russian Literature in the Age of Revolution**

CourseID: 156350

Faculty:

Next Term Offered:

Examines key works of Russian prose and drama between the turn of the twentieth century and the onset of the Second World War through the lens of the era's revolutionary upheavals. Special attention to questions of imagining and representing historical cataclysms as existential catastrophes that lay bare utopian aspirations and cultural anxieties about the possibilities of artistic innovation and esthetic tradition in times of trouble. Shorter works by Bely, Soloviev, Sologub, Gippius, Pilniak, Babel, Shklovsky, Zoshchenko, Trotsky, Platonov, Bulgakov, Olesha, Vsev. Ivanov, Erdman, Krzhizhanovsky.

**SLAVIC 186 Poetry after Brodsky: How Russian Is It?**

CourseID: 124482

Faculty: Stephanie Sandler

Next Term Offered: 2017 Fall

Studies poetic practice since 1970. Includes Brodsky, Aygi, Dragomoshchenko, Eremin, Fanailova, Gronas, Mnatsakanova, Prigov, Sedakova, Shvarts, and others. Studies border crossings (in language and geography), connections to other art forms, and the changing representations of emotion and mind in contemporary poetry.

**SLAVIC 188 Eugene Onegin**

CourseID: 160745

Faculty:

Next Term Offered:

This course, which is an alternative to Slavic 98b. Tutorial - Junior Year for students who are not concentrators, is devoted to a single topic and provides concentrators with a more intensive reading experience. This year's focus will be devoted to the close reading of "Eugene Onegin" in original.

**SLAVIC 189 The Other Russia: Twenty-First Century Films, Fictions, States of Mind**

CourseID: 205015

Faculty:

Next Term Offered:

### SLAVIC 192 Literature as Institutions: Conference Course

CourseID: 109587

Faculty: William Todd

Next Term Offered: 2016 Fall

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.

### SLAVIC 194 The Austro-Hungarian Grotesque

CourseID: 156239

Faculty:

Next Term Offered:

Reconstructs a historical context for the literary/visual aesthetic of the Austro-Hungarian grotesque. Focuses on the period 1867-1918, while also mapping psychoanalysis and the subconscious onto later, surrealist incarnations of the grotesque in the twentieth century. Special attention paid to the role of Jewish culture and other margins of empire. How are the history, theory, and affect of the grotesque determined by spatial and/or social peripherality? How is the nascent sense of identity of small nations and minor literatures informed in turn by the grotesque? Text include: Andric, Csáth, Freud, Hasák, Kafka, Musil, von Rezzori, Roth, Sacher-Masoch, Schnitzler, Schulz, Svevo.

### SLAVIC 198 Czech Literary Culture after World War II: Conference Course

CourseID: 160013

Faculty:

Next Term Offered:

Czech literature and film from the Nazi occupation through the Communist period to the Velvet Revolution, with a focus on Hrabal, Havel, and Kundera, as well as directors of the Czech New Wave, including Forman and Němec. We will pay special attention to intersections of politics and literature, including censorship, samizdat, and forms of underground culture and dissent.

### SLAVIC 230 Medieval, Renaissance, and Baroque Prague: A Cultural History

CourseID: 109672

Faculty: Jonathan Bolton

Next Term Offered: 2017 Fall

History of Prague and Bohemian culture from the Middle Ages to the eighteenth century, including Kosmas's *Chronicle of the Czechs*, the medieval court of Charles IV, Jan Hus and the Hussite war, Renaissance learning under Rudolf II, Baroque literature and art, and the changing fates of Prague Jewish culture. Special emphasis on the development of Czech literature and the Czech literary language.

### SLAVIC 231 Czech Literary Culture, 1900-1945

CourseID: 126615

Faculty: Jonathan Bolton

Next Term Offered: 2018 Spring

Close reading of major works of poetry and prose in the original Czech, with attention to the larger cultural currents of Central European modernism. Prose by Čapek, Hašek, Vančura, Olbracht, Šalda; poetry by Nezval, Halas, Holan, Orten, Kolár, and others.

### SLAVIC 241 Russian Futurism and Formalism

CourseID: 159557

Faculty: Daria Khitrova

Next Term Offered:

Follows the development of two major movements in Russian literature –Futurism and Formalism - in close conjunction with each other and in the context of Russian Modernism at large. Examines poems, manifestos, theoretical writings, visual arts, theater productions, films. Key questions include: how could Futurism, with its scandalous manifestos and “transrational” poems, evolve into the Formalist theory with its cult of science and rigorous methodology? How to make sense of the transrational? What made Futurists paint their faces? Works by Bely, Khlebnikov, Mayakovsky, Kruchyonych, Shklovsky, Tynianov, Jacobson, Larionov, Malevich, Zdanevich, Rodchenko, Vertov.

### SLAVIC 251 Reading Anna Karenina

CourseID: 127636

Faculty: Julie A. Buckler

Next Term Offered: 2017 Fall

Close reading of *Anna Karenina* in original Russian with exploration of cultural context, artistic biography, tradition of nineteenth-century psychological novel, reception and interpretive paradigms, potential for new ways of reading.

### SLAVIC 252 Rereading Russian Intellectual History

CourseID: 156361

Faculty: Justin Weir

Next Term Offered: 2018 Spring

This seminar reviews the standard texts and topics of pre-Revolutionary Russian intellectual history. Course readings include works by Chaadaev, Herzen, Belinsky, Chernyshevsky, Pisarev, Bakunin, Solovyov, and others. The seminar also considers methodological problems and how approaches to writing Russian intellectual history have evolved from the last half of the twentieth century to the post-Soviet era.

### SLAVIC 253 Reading Contemporary Russia (Graduate Seminar in Undergraduate Education)

CourseID: 156360

Faculty:

Next Term Offered:

Seminar on post-1989 Russian literature, film, and culture, and on the challenges and pleasures of studying contemporary cultural processes. Includes Brodsky, Medvedev, Pelevin, Petrushevskaya, Prigov, Shvarts, Sorokin; German, Muratova, Sokurov. Combines individual research proposals with designing an undergraduate course.

### SLAVIC 270HF Mapping Cultural Space: Sites, Systems & Practices across Eurasia

CourseID: 156237

Faculty:

Next Term Offered:

Year-long bi-weekly interdisciplinary seminar on the production of social, cultural, and political space in Russia, Eastern Europe, and Central Asia. Physical and urban space will receive particular attention. Includes individual and collaborative work with digital tools for research, analysis, and presentation. Key questions: How can diverse mapping practices (geographical, scholarly and disciplinary, discursive, artistic) illuminate Eurasian cultural politics? How can we analyze cultural space as a dynamic product of cultural activity, as well as a framework for

the evolution and transmission of beliefs, behaviors, memories, and values?

### SLAVIC 289 Elegy: The Art of Losing

CourseID: 125567

Faculty: Stephanie Sandler

Next Term Offered: 2018 Spring

Poems, films, visual artifacts, and music alongside theories of loss. Focuses on non-narrative forms, with examples from Pushkin, Baratynsky, Fet, Brodsky, Shvarts; Tarkovsky, Shemiakin, Sokurov; Silvestrov, Sebald.

### SLAVIC 292 20th-Century Ukrainian Prose

CourseID: 116648

Faculty:

Next Term Offered:

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, Andrukhoverych, Izdryk and others).

## **Stem Cell and Regenerative Biology**

### **SCRB 15 SCRB 15**

CourseID: 203289

Faculty:

Next Term Offered:

### **SCRB 15B Human Developmental and Regenerative Biology Laboratory**

CourseID: 203924

Faculty:

Next Term Offered: 2018 Spring

This year-long hands-on laboratory course hones skills essential for researchers in developmental biology. Students will learn genome editing tools, cell culture techniques, and phenotypic analyses in both cell lines and model systems while addressing unknown questions in the field. SCRB 15 is designed to complement material found in both SCRB 10 and SCRB 20, and is best taken during the sophomore year. Students must complete the second term of this course within the same academic year in order to receive credit for this course.

## **SCRB 25 Biochemistry and Human Metabolism**

CourseID: 110170

Faculty:

Next Term Offered: 2017 Spring

This course provides an introduction to the principles of biochemistry in the context of human physiology and disease. We will investigate biochemical pathways governing the metabolism of proteins, carbohydrates, fatty acids and lipids, and nucleic acids. Additionally, we will address basic enzymology, bioenergetics, energy storage and release, and hormonal regulation of metabolism. Special emphasis will be given to the impact of biochemical pathways on disease as well as the development of new therapies.

## **SCRB 25X Biochemistry and Human Metabolism**

CourseID: 159936

Faculty:

Next Term Offered:

This course provides an introduction to the principles of biochemistry in the context of human physiology and disease. We will investigate biochemical pathways governing the metabolism of proteins, carbohydrates, fatty acids and lipids, and nucleic acids. Additionally, we will address basic enzymology, bioenergetics, energy storage and release, and hormonal regulation of metabolism. Special emphasis will be given to the impact of biochemical pathways on disease as well as the development of new therapies.

### SCRB 110 Classic Experiments in Developmental Biology

CourseID: 127065

Faculty:

Next Term Offered: 2017 Spring

This course will introduce students to classic experiments in developmental biology. We will explore the historical background, experimental design, and results of a handful of experiments that have defined the field of developmental biology and changed our understanding of the discipline. Students will read primary literature and, in turn, present the conclusions in written and oral formats.

### SCRB 125 Nuclear Reprogramming and Developmental Plasticity

CourseID: 116821

Faculty:

Next Term Offered: 2018 Spring

This course will focus on the biology of organismal cloning, cellular reprogramming, and developmental plasticity. The role that stem cells play in these processes and the genetic and molecular circuitry that underlie developmental potency and reprogramming will be discussed.

### SCRB 150 Human Genetics: Mining Our Genomes for an Understanding of Human Variation and Disease

CourseID: 114797

Faculty:

Next Term Offered: 2017 Fall

The sequencing of the human genome has revealed the full extent of genetic

variation that exists within us as a species. This genetic diversity underlies much of our physical variation as well as our differences in responsiveness to disease stimuli and their treatments. We will explore these and other ramifications of human genetic diversity by applying classical and contemporary genetic tools to the identification of specific genes and pathways that functionally underlie our variable biology.

### SCRB 160 Experimental Embryology: From Stem Cells to Tissues and Back Again

CourseID: 125802

Faculty: Paola Arlotta

Next Term Offered: 2017 Fall

This advanced laboratory course will apply experimental approaches and surgical techniques to illustrate critical developmental events during mouse embryogenesis. Particular emphasis will be placed on experiments covering the following topics: fertilization and pre-implantation embryology; reprogramming of adult somatic cells into embryonic stem cells; early organ development; and surgical manipulation of late stage mouse embryos in utero.

### SCRB 165 Directed Differentiation of Stem Cells

CourseID: 125191

Faculty: Chad Cowan

Next Term Offered: 2018 Spring

This practical laboratory course will investigate the biology of human pluripotent stem cells and their remarkable capacity to differentiate into all cell types of the body. Furthermore, key developmental pathways that guide stem cell development into these differentiated cell types will be explored and current paradigms for directing the differentiation of pluripotent stem cells will be discussed and studied experimentally. Finally, the utility of human pluripotent stem cells to understand and treat disease will be investigated.

### SCRB 180 Development, Plasticity and Regeneration in the Mammalian Brain

CourseID: 125803

Faculty: Jeffrey Macklis

Next Term Offered: 2017 Fall

Regenerative biology of the mammalian central nervous system (CNS), motivated by a focused and related set of human CNS disorders: This course will discuss molecular and cellular mechanisms of regeneration and repair in the mammalian

central nervous system (CNS), motivated by prototypical examples in the motor control systems and circuitry of the cerebral cortex and spinal cord centrally relevant to spinal cord injury, ALS / Lou Gehrig's disease ("amyotrophic lateral sclerosis", and related disorders), and spinal muscular atrophy (SMA). We will take an approach integrating developmental and regenerative biology: we will compare and contrast aspects of embryonic neural development (molecular and cellular) with adult neural plasticity; discuss limitations to neuronal and axonal regeneration in the mature mammalian CNS following degeneration or injury; examine CNS regeneration approaches directed at overcoming intrinsic limitations; explore developmental controls, gene manipulation, and cellular reprogramming to promote neurogenesis, axonal regeneration, and directed differentiation in diseased adult mammalian brain; and consider technology such as "brain-computer interfaces".

### SCRB 185 Human Disease

CourseID: 119816

Faculty:

Next Term Offered: 2017 Spring

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.

### SCRB 197 Frontiers in Therapeutics

CourseID: 204358

Faculty:

Next Term Offered: 2018 Spring

How realistic are promises to "eliminate" diseases and to "personalize" medicine? This course looks at biological principles underlying therapeutics, ranging from those described first in Egyptian papyri to those under development today (using chemicals, proteins, cells, and genetic manipulations) and based on traditional philosophies and on science. As part of the class, students will have the opportunity to design novel approaches to diseases today without cure.

### SCRB 200 Independent Research in Stem Cell and Regenerative Biology

CourseID: 108034

Faculty:

Next Term Offered: 2017 Spring

This survey course provides contemporary approaches to the study of stem cell and regenerative biology.

### SCRB 230 Principles and Practice of Drug Development

CourseID: 156679

Faculty: Lee Rubin

Next Term Offered:

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.

### SCRB 235 Introduction to Innovation and Entrepreneurship

CourseID: 110343

Faculty:

Next Term Offered:

This course is designed for those who want to understand the role of start-ups and venture capital in the creation of new products and services in the for-profit and not-for-profit sectors. It is intended to help students identify areas in which changes in science and technology, consumer and social attitudes, or political and regulatory processes support the creation of new businesses and organizations in independent ventures or within established organizations. Margo Seltzer and Bill Anderson are supporting the course by supervising projects in their respective areas of expertise.

### SCRB 300QC Current Research in Stem Cell and Regenerative Biology

CourseID: 128039

Faculty: Lee Rubin

Next Term Offered: 2017 Spring

This survey course provides contemporary approaches to the study of stem cell and regenerative biology.

### SCRB 335QC Introduction to Innovation and Entrepreneurship

CourseID: 110344

Faculty:

Next Term Offered:

This course is designed for those who want to understand the role of start-ups and venture capital in the creation of new products and services in the for-profit and not-for-profit sectors. It is intended to help students identify areas in which changes in science and technology, consumer and social attitudes, or political and regulatory processes support the creation of new businesses and organizations in independent ventures or within established organizations. Margo Seltzer and Bill Anderson are supporting the course by supervising projects in their respective areas of expertise.

### SCRB 364 Vertebrate Development

CourseID: 107787

Faculty:

Next Term Offered: 2017 Spring

## Sociology

### SOCIOL 10 Introduction to Sociology

CourseID: 114222

Faculty:

Next Term Offered: 2018 Spring

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).

### SOCIOL 21 Reinventing American Criminal Justice

CourseID: 203062

Faculty:

Next Term Offered:

This is an exciting moment in the history of criminal justice reform, with a unique bipartisan consensus over the goal of reducing mass incarceration in the United States. But what kinds of policy reforms are possible? And desirable? This course will take a careful look at the empirical trends in crime and punishment since the start of the prison boom in the early 1970s. We will consider a range of policy changes that have affected policing, the courts, community supervision, legal fees and fines, the conditions of confinement, alternatives to incarceration, and reentry from prison. And we will evaluate a range of recent policy initiatives that seek to reshape the way we practice punishment in the United States.

### SOCIOL 26 Introduction to Global Social Change

CourseID: 109657

Faculty:

Next Term Offered: 2017 Fall

Focuses on the development of global capitalism and the relationship between markets, the state, and civil society. The course will pay particular attention to power and inequality, and to various forms of resistance against globalization.

## **SOCIOL 29 Introduction to Urban Sociology**

CourseID: 109703

Faculty:

Next Term Offered:

Introduces the city as both object and site of social inquiry. We will start with the individual experience of living in cities, then explore the neighborhood structure of the modern metropolis, take on segregation and inequality, and conclude with globalization and world cities. We will also consider themes that cut across these levels, including crime, immigration, workforce issues, and arts and the creative economy. Throughout, students will use the cities of Cambridge and Boston to explore and evaluate ideas from class, via observational and fieldwork opportunities.

## **SOCIOL 94 Qualitative Research in Education**

CourseID: 156748

Faculty:

Next Term Offered: 2017 Fall

What can qualitative approaches to research add to our understanding of education, in an era where 'data' are often equated with numbers? In this course, we will examine qualitative methods as a complement and counterpoint to mainstream paradigms in education research. Students will design and implement a small pilot study on an education topic of choice. We will investigate the process of research design, including question formulation, selecting appropriate tools for data collection, and strategies for analyses. The work will be informed by critical reading and discussion of empirical and theoretical scholarship on the intersection of culture, community, and education.

## **SOCIOL 98BE Culture, Power, and Politics**

CourseID: 159929

Faculty:

Next Term Offered:

This course examines the role of meaning-making in political life, focusing on how people's understandings of political phenomena affect their political choices, how political actors frame their claims in order to mobilize public support, and how political institutions and bureaucratic classification systems shape inequality. The material will prepare students for developing their own research projects, which will be collaboratively workshopped in class.

**SOCIOL 98GC Global Workers, Professionals & Entrepreneurs: The New Economic Order Across Borders**

CourseID: 109842

Faculty:

Next Term Offered:

We live in a world where economic activities increasingly span national borders. How do individuals navigate the economic and social relations across borders? This tutorial will guide students through the preparation of an empirical research paper on this broad question.

**SOCIOL 98HA Sociology of Health**

CourseID: 107356

Faculty:

Next Term Offered: 2017 Fall

Examines how culture, politics, and finance "matters" in health care through an exploration of the diverse community health centers and major medical centers throughout greater Boston. Students will enhance their qualitative research skills through ethnographic observation, mapping, and historical and documentary analysis of the services provided and populations served in various clinical settings.

**SOCIOL 98L Racism and Anti-Racism in Comparative Perspective**

CourseID: 127907

Faculty:

Next Term Offered:

Students will familiarize themselves with the literatures on racism and anti-racism, as well as racial identity and boundaries and design their own qualitative research project.

**SOCIOL 98M Social Class in the United States: Identity, Culture, and Consciousness**

CourseID: 126248

Faculty:

Next Term Offered:

This course will review a variety of empirical and theoretical perspectives on social class in the United States with a focus on class-based identities and class consciousness.

### SOCIOL 98MA Urban Social Problems and Public Policy

CourseID: 156295

Faculty:

Next Term Offered: 2017 Fall

This tutorial will examine urban social problems and their relationship to public policy solutions through a sociological lens. We will examine social problems that affect city dwellers such as poverty, homelessness, crime, the achievement gap, and health, and their correlate policy solutions including public assistance, housing, policing and incarceration, education policy, health care and more. Students will complete an in-depth independent research project on a social problem of interest, collect their own data, and think through sociological and policy implications. The course will specialize in data collection through the use of qualitative methods such as ethnography, observation, and interviewing.

### SOCIOL 98SC Political Sociology: Power, Citizenship and the State

CourseID: 156914

Faculty:

Next Term Offered: 2016 Fall

This course reviews major approaches to political sociology through explorations of state formation, civil society, citizenship, democracy, elections, terrorism, media coverage and conflict. A strong emphasis is put on historical analyses and empirical studies. This tutorial guides students through the preparation of a research paper using qualitative and/or quantitative methods.

### SOCIOL 98VA Development in Theory and Practice

CourseID: 108200

Faculty: Jocelyn Viterna

Next Term Offered: 2017 Fall

Why are some societies wealthier, healthier, and more highly educated than others? And how might we improve the lives of those individuals with the fewest opportunities? The purpose of this course is to investigate whether and how scholarly theories of development map onto the real world practices of development organizations (state development offices, intergovernmental

agencies, not-for-profit organizations) and vice versa. Readings in development sociology will be interspersed with individual student analyses of specific development organizations across a range of issues including (but not limited to) gender, politics, the environment, education, health care, and the economy.

### SOCIOL 98WB Race, Poverty, and Justice

CourseID: 126244

Faculty:

Next Term Offered:

Race, Poverty and Justice surveys some of the key topics in urban sociology, focusing on major social problems in American cities. With particular attention to factors associated with crime, such as poverty, race, education, gender and unemployment, the course draws from different academic, media and narrative sources. Our focus on urban communities of concentrated poverty is intended to challenge students to think about policy solutions to complex problems. How do we respond to under-resourced schools, violence, joblessness, drug addiction and incarceration? Our methodological focus will be on qualitative data collection that includes ethnography and interviews. The last three weeks of the semester will be reserved for students to present original research projects designed to address the problems discussed in class. Questions for consideration: In what ways do various political, economic and religious ideologies shape our understandings of race? What kinds of practices lead us out of poverty? How do we understand justice? An optional visit to at least one Massachusetts state jail/prison will be incorporated into the curriculum.

### SOCIOL 98WC Sports and Society

CourseID: 127534

Faculty:

Next Term Offered: 2018 Spring

This course will examine sports through a sociological lens. We will examine processes of stratification in sports including class, race and gender, as well as sports as a business, the media and sports, and sports and health. Students will do an in depth independent or team based research project on the topic.

### SOCIOL 103 The Sociology of Climate Change

CourseID: 203390

Faculty:

Next Term Offered:

The reality of global climate change poses a number of challenges for human society. Warming temperatures and shifting weather patterns will threaten the availability of water, food, and shelter; expand the geographic range of diseases; necessitate mass migration and relocation; and even spark political instability. The inherently social nature of these challenges highlights the value of a sociological approach to understanding climate change, and this course will provide an overview of this emerging field of study. Three central themes will guide our analysis: 1) the social causes of climate change, 2) the social impact of climate change, and 3) the social dimensions of mitigation and adaptation to climate change.

### SOCIOL 105 Sports and Society

CourseID: 109896

Faculty:

Next Term Offered: 2017 Fall

This course will examine the institution of sports and how it is shaped by society. Is sports a level playing field and meritocracy where the best person or team wins? Or is sports a mirror of an unequal society where power and wealth shape social life? How do class, race and gender shape the sports we play and how we play them? We will consider sports and higher education in the U.S. and at Harvard. We will also look at youth sports, sports as a business, the media and sports, and sports and health. Students will do an in depth research project on the topic and will actively discuss readings in class each week.

### SOCIOL 108 Inequality at Work

CourseID: 108275

Faculty:

Next Term Offered: 2016 Fall

The American workplace has become much more diverse over the past 30 years, with women and minorities moving into greater positions of authority. But significant inequalities remain. Why? This course explores how sociologists go about analyzing the reasons for workplace inequalities using a variety of methods from ethnography to surveys to experiments. Using case studies, we pay particular attention to how work can be restructured in ways that increase participation and equality.

### SOCIOL 112 Men, Women, and Work

CourseID: 141657

Faculty:

Next Term Offered:

Why do men and women tend to cluster into different occupations? Why do they earn different wages? Is there a certain path that all countries follow as they become more economically prosperous, or do issues concerning men's and women's work differ dramatically across countries because of cultural reasons? This course provides an overview of key issues and perspectives in the study of men, women, and work in contemporary society. May be counted for introductory concentration requirement, if letter-graded.

### SOCIOL 114 Organizational Failures and Disasters: Leadership in Crisis

CourseID: 108674

Faculty:

Next Term Offered:

Examines organizational failures and disasters from a variety of sectors and professional fields as way to understand how organizational life influences people's behavior, thinking, decision-making, and moral judgment.

### SOCIOL 116 Women and the Law

CourseID: 160165

Faculty:

Next Term Offered:

Analyzes the changing position of women in constitutional law, employment law, family law, and criminal law from both a legal and a sociological perspective. Examines how the law defines and regulates women's rights and the social consequences of various legal doctrines. Topics: education, employment, Title VII, pregnancy, toxic work environments, sex harassment, the marriage contract, unwed cohabitation, marital property, divorce, child custody, domestic violence, abortion and reproductive issues, rape, and pornography. Laws and policies in the U.S. are compared with selected examples from England, Sweden, and France.

### SOCIOL 123 Cultural Sociology: Space, Culture and Society

CourseID: 156418

Faculty:

Next Term Offered:

This course has three objectives: 1) explore the main theoretical debates about the relationship between nature, culture and social structure in the work of major sociologists; 2) Describe the effects of art, culture and science in contemporary societies and discuss the debates around the notions of knowledge society, cultural industries, creative economy, and "society of the spectacle"; 3) analyze a specific aspect of culture: its materialization in spaces and buildings, with case studies of cultural complexes (ex. Lincoln Center-New York) and academic campus and/or buildings (ex. Carpenter Center, MIT Stata Center).

### SOCIOL 126 Mobilizing for Change: Black Lives Matter

CourseID: 159874

Faculty:

Next Term Offered: 2018 Spring

### SOCIOL 129 Education and Society

CourseID: 122467

Faculty:

Next Term Offered:

Examines the key role played by the educational system in reproducing and transforming modern society. Considers the purposes served by an educational system, the distinctiveness of the American educational system in comparison to other countries, the ways that education connects to the labor market in the U.S. and other societies, and why educational attainment is related to social class and ethnicity.

### SOCIOL 132 Food, Culture, and Globalization

CourseID: 156096

Faculty:

Next Term Offered:

Approaching food as material culture that reveals complex social relations of power, this course begins with the examination of the larger historical processes of conquests and other uneven cross-cultural encounters that shaped the making and remaking of ethnic and regional identities of food. Then it investigates the political economy of transnational production, circulation, and consumption of food in various areas of the world. It also explores the cultural politics of how tastes of food are invested with corporate interests, and images and meanings of status distinction and inequalities. Finally, it examines the role of food in shaping ethnic/racial, national, and gender identities in the midst of globalization. To complement analytical approaches in classroom, this course may incorporate

experiential learning components, including a visit to a local restaurant, a local farm, or a collaborative cooking exercise.

## SOCIOL 137 Money, Work, and Social Life

CourseID: 124455

Faculty:

Next Term Offered:

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.

## SOCIOL 147 The Shareholder Value Management Revolution

CourseID: 107351

Faculty:

Next Term Offered:

Since the late 1970s, the American style of management has been revolutionized. This course reviews the history of American management strategies, focusing on the origins and effects of the shareholder value approach that now prevails among leading firms. Shareholder value traces its roots to America's lackluster performance in the global economy during the 1970s, and the prescriptions offered by agency theorists in the field of financial economics. We explore how the shareholder value approach was promoted in American firms. We look at how the approach has changed core corporate strategy, how it has affected corporate performance, and how it has shaped labor markets, income inequality, and global trade.

## SOCIOL 150 Neighborhood Effects and the Social Order of the City

CourseID: 108873

Faculty: Robert Sampson

Next Term Offered: 2017 Spring

Ideas about order and disorder have driven debates about the city for over a century. After reviewing classic approaches we will examine contemporary research on neighborhood inequality, "broken-windows" and crime, racial segregation, ethnic diversity and immigration, the symbolic meanings of disorder, community organizations, and competing visions for the uses of public space.

Students will conduct field-based observations drawing upon cutting-edge methods employed by urban sociologists to understand the workings of the modern city.

### SOCIOL 163 Science, Technology, and Democracy

CourseID: 109679

Faculty:

Next Term Offered:

As an integral part of society, science and technology play increasingly important roles in shaping political debates and public policies. This course explores the roles of science and technology in democratic politics in light of the 2011 Fukushima Daiichi Nuclear Accident.

### SOCIOL 164 Successful Societies: Markers and Pathways

CourseID: 127922

Faculty:

Next Term Offered: 2017 Spring

Analyzes the markers of societal success and the social conditions that sustain it. Discusses various indicators ranging from the standard economic measures to the human development index, inequality, resilience to shocks, educational, child development and health measures. Considers the role of cultural and institutional buffers (how cultural repertoires and myths feed strong collective identities, cultural and institutional supports for coping with stigma, models of citizenship and immigration, and multi-level governance and their impact on welfare and poverty). Similarly addresses factors that present major challenges, or 'wicked problems', like concentrated urban poverty, well-being of indigenous and other racialized groups and some of the solutions attempted. Particular attention will be put on the United States, Canada, and other advanced industrial societies and to the role of space, institutions, and culture in shaping the conditions for successful societies. Public policy implications will also be discussed.

### SOCIOL 165 Inequalities in Health Care

CourseID: 122318

Faculty: Mary Ruggie

Next Term Offered: 2017 Fall

Asks why certain social groups are at greater risk for more severe health problems (e.g., infant mortality, HIV/AIDS, cancer) and yet receive unequal health care in the

US. Examines what best practices foster adequate delivery of healthcare services, mutual respect between patient and provider, and healthy living. Considers the role of government, the private sector, family and community.

### SOCIOL 166 Sociology of Poverty

CourseID: 128221

Faculty:

Next Term Offered: 2018 Spring

Examines sociological research on poverty and inequality and engages current debates about the causes and consequences of poverty and inequality in the U.S. and other advanced industrialized countries. Explores policy approaches to reducing poverty and inequality.

### SOCIOL 169 Negotiation and Conflict Transformation for Policy and Practice

CourseID: 109234

Faculty:

Next Term Offered:

Applies negotiation frameworks to a rich array of cases about community organizing, health care reform, social enterprise ventures, and diplomacy, including cases that students will share from their own research and field study. The course will enable students to be more reflective about large-scale conflicts, organizational and neighborhood tensions, and everyday experiences of dispute and enmity. Students will also engage in a series of lab exercises and negotiation simulations that will permit them to extend their relational problem-solving skills.

### SOCIOL 170 Culture and Networks

CourseID: 108274

Faculty:

Next Term Offered:

This course will serve as an overview of the growing field of network research with a particular focus on how patterns of social interaction shape and are themselves shaped by cultural preferences and meaning-making processes. We will discuss a variety of substantive topics, including musical tastes, romantic relationships, organizational collaboration and competition, and social movement mobilization, while paying particular attention to the increasingly important role of social media in establishing and maintaining social ties.

## SOCIOL 172 Crime, Journalism and Law

CourseID: 128259

Faculty:

Next Term Offered:

Examines the prominence of crime narratives in Anglo-American societies in various media formats since the advent of mass communication. Explores why crime has been consistently compelling to societies and citizens, and how these narratives have been harnessed to advance religious, political, governmental and ideological objectives. Critically analyzes the power of mass communication and the impact that crime events have on societies and their legal systems. Questions what responsibilities (if any) media organizations, individual journalists, media consumers, state officials and the legal system assume when producing, consuming and otherwise engaging highly publicized crime events.

## SOCIOL 173 The Sociological Eye: Learning about Society and Culture through

Films

CourseID: 156272

Faculty:

Next Term Offered:

This course introduces students to key themes, methods, and concepts in social and cultural analysis through a global selection of classic and contemporary films, documentaries, and TV series. Topics and related readings cover social control, identity, deviance, power, commodification, stigma, networks and stratification, among others. Screenings include *House of Cards*, *Avatar*, *The Matrix*, "The Wire," *Psycho*, *King Kong*, and *The Social Network*, among others.

## SOCIOL 175 Sociology of Immigration

CourseID: 126223

Faculty:

Next Term Offered: 2017 Spring

Immigration is one of the most powerful forces in influencing the structure of societies, altering everything from educational and economic institutions to politics. Understanding the immigration process from a sociological perspective provides insight into why individuals and groups move, how they are received and incorporated into the host society, and the implications for the native-born and for those who stay behind. These theoretical issues will be explored through an examination of actual migration flows over time and around the world. Although

the focus of the course will be on U.S. immigration, we will also spend some time on non-U.S. flows, including the current refugee crisis in Europe.

### SOCIAL 177 Poverty in America

CourseID: 156139

Faculty: Matthew Desmond

Next Term Offered: 2017 Fall

Fifty Years after President Lyndon B. Johnson launched the War on Poverty, America is still home to both abundant wealth and extreme deprivation. This course investigates poverty in America in historical and contemporary perspective. We will explore topics such as urban and rural poverty, the underground economy, and survival strategies of poor families. We will also study several large-scale anti-poverty programs with an eye toward what worked and what didn't, and we will review moral-political debates about the right to housing, living wages, welfare, social suffering, and other matters pertaining to American life below the poverty line.

### SOCIAL 181 Social Change in Modern Korea

CourseID: 109680

Faculty:

Next Term Offered: 2018 Spring

This course explores the incredible transformation of Korean society in the modern period. We begin with the demise of the Choson Dynasty at the end of the 19th century before covering the Japanese colonial period (1910-1945), the emergence of two Korean nation-states (1945-1948), the Korean War (1950-53), and the contemporary period (1960-present). The course is divided into two distinct parts. In the first part of the course we discuss Korea's political and economic transformation and in the second, we cover social and cultural change. Upon completion of the course, students should have a thorough grasp of the vast social changes Korea underwent in the 20th century.

### SOCIAL 189 Democracy and Social Movements in East Asia

CourseID: 109681

Faculty:

Next Term Offered: 2018 Spring

Social movements are an important part of both democratic and non-democratic societies. This course assesses the state of civil society in East Asia by surveying

contemporary social movements in China, Taiwan, Hong Kong, Japan, and South Korea. We start the course by discussing the main concepts and analytic approaches in social movement theory. We then apply these theoretical frameworks to specific mobilization efforts in East Asia, keeping in mind each country's unique historical context. With the theoretical and empirical tools gleaned from the lectures and readings, students will pursue a case analysis of an East Asian social movement of their choosing.

### SOCIOL 211 Analysis of Longitudinal Data: Seminar

CourseID: 131333

Faculty:

Next Term Offered: 2018 Spring

This course takes an applied approach to the analysis of longitudinal data. Lectures will provide an overview of a variety of techniques, including fixed effects models, multilevel models, and duration models. Students will develop their own empirical projects and receive support as they begin to work with longitudinal datasets.

### SOCIOL 218 Methods for Quantitative Data Analysis

CourseID: 159676

Faculty:

Next Term Offered:

This course reviews several of the core methods for analyzing data: data visualization and statistical graphics, simple programming with data, studying data dispersion, statistical inference under model uncertainty and related topics. The lectures will examine the real-world challenges of data analysis and explore how statistical methods can be used to learn from data, and draw valid statistical inferences. The approach will be heavily applied involving data analysis with Stata and R. Students will develop their own empirical projects applying the methods from the course.

### SOCIOL 223 American Society and Public Policy: Research Seminar

CourseID: 108204

Faculty:

Next Term Offered:

Explores growing inequality in the U.S., and its implications for public policy in the areas of social support for families and workers, immigration and citizenship, and

access to higher education. Students are expected to develop and present their own research.

## SOCIOL 226 The Sociology of Culture

CourseID: 126750

Faculty:

Next Term Offered:

## SOCIOL 227 Cultural Sociology and Sociology of Culture: Theoretical Perspectives and Empirical Studies

CourseID: 156419

Faculty:

Next Term Offered: 2016 Fall

The main topics of this course are: Introduction to a debate: is there a place for creativity and performativity in the sociological study of culture?; 1) the main theoretical debates around culture, social structure and inequality through the classical and contemporary authors and sociological currents, with a focus on the study of cultural practices and styles of consumption; 2) the four dimensions or levels of cultural life in contemporary societies: the creators and their networks, the publics and the market, the local and the global, institutions (schools, museums, etc.), the state and cultural politics.

## SOCIOL 236 Cultural Processes in the Production of Inequality

CourseID: 121062

Faculty:

Next Term Offered:

This advanced course will consider recent developments at the intersection of cultural sociology and the sociology of inequality, mobility and poverty. Topics will include: the coproduction of social and symbolic boundaries; moral schemas and inequality; cultural scripts in the construction of racism and anti-racism; new developments in the study of identity, ethno-racial and class cultures; cognition, cultural repertoires and networks; evaluation and other cultural and social processes; and the conceptualization of context and explanations in cultural sociology.

## SOCIOL 237 Contemporary Chinese Society: Seminar

CourseID: 114986

Faculty:

Next Term Offered:

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.

## SOCIOL 243 Economic Sociology

CourseID: 118601

Faculty:

Next Term Offered:

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, family, and culture.

## SOCIOL 248 Race, Politics, and Social Inequality: Seminar

CourseID: 125300

Faculty:

Next Term Offered:

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.

## SOCIOL 253 Sexualities

CourseID: 159900

Faculty:

Next Term Offered:

Despite the ubiquity of sexual imagery in contemporary Western popular culture, most people regard sexuality to be an intimate topic that concerns the drives, experiences and pleasures of individuals. In this course, we will examine the social and pluralistic character of sexual desires, meanings, practices and politics. We will begin with some of conceptual foundations that ground contemporary sociological studies of sexuality (Freud, Foucault, Kinsey, Lauman, Plummer,

Rubin), as well as some thorny methodological debates. (Is there a history of sexuality? How do we measure sexuality?) We will then examine some of the key fields in the sociology of sexualities, including work on sexual identities and social movements, the relationship between institutional contexts and sexual behavior, and intersections with the sociology of race, gender, risk, health and regulation. In each of these discussions, students will explore the varied methodological approaches to these topics within sociology, as well as some of the disciplinary and cultural challenges to making sexuality a central object of intellectual inquiry.

### SOCIOL 259 Policing Urban Communities

CourseID: 156048

Faculty:

Next Term Offered:

Examines the issues involved in providing fair and effective police services to urban communities. Questions of how police can effectively prevent crime while enhancing their legitimacy will be addressed. Major police innovations over the last thirty years, such as community and problem-oriented policing, are closely examined and discussed. Sociological and criminological theories, as well as empirical evidence, are applied to understand critical issues that persist for the policing profession such as race, use of force, and police deviance.

### SOCIOL 263 Historical Sociology: Cultural and Institutional Perspectives

CourseID: 107332

Faculty: Orlando Patterson

Next Term Offered:

The seminar explores the emergence, dynamics and interaction of cultural, structural and institutional processes in the development, and underdevelopment, of capitalism in selected western and non-western societies. Among the topics explored, through close study of selected texts, are: merchant capital, network channeling and cultural change in renaissance Italy; institutional, cultural and imperial factors in the rise and divergence of West European capitalism; networks and informal institutions in the rise of capitalism in China; cultural and institutional change in Tokugawa Japan; and the institutional and cultural origins of development and underdevelopment in Latin America and the Caribbean. Our readings and discussions will be guided by the recurring theoretical problems of causality, origins, continuity and change in institutional and cultural processes and the fundamental problem of how the past influences later periods and present outcomes.

## **SOCIOL 267 Political Sociology**

CourseID: 125782

Faculty:

Next Term Offered: 2018 Spring

This course examines power relations between (and within) society and the state. We will focus on nation-state formation, revolutions, social movements, ideology and political attitudes, welfare state policies, and globalization, while interrogating the major theoretical traditions that have shaped the sociological study of politics.

## **SOCIOL 290 Qualitative Network Analysis**

CourseID: 131291

Faculty: Mario Small

Next Term Offered: 2017 Fall

This course examines how researchers have analyzed observational, interview, and textual data in the study of social networks. We will explore both classic and contemporary readings in anthropology, sociology, history, and other disciplines, and study both traditional and new techniques, including those based on large-n data but focused on meaning and qualitative aspects of the social world. Social Network Analysis or a similar course on SNA methods is strongly recommended but not required.

## **SOCIOL 312 Workshop on Social Networks and Social Capital: Advanced Models and Empirical Applications**

CourseID: 127921

Faculty:

Next Term Offered: 2016 Fall

The workshop brings together quantitative sociologists working with advanced descriptive, computational, causal or network models to empirically analyze issues broadly related to social networks and social capital.

## **SOCIOL 314 Workshop on Urban Social Processes**

CourseID: 126400

Faculty: Robert Sampson

Next Term Offered: 2017 Fall

Cities are back, urbanization is rapidly expanding around the world, and new forms

of data are presenting unique opportunities for research. SOC314 is a forum to explore the social mechanisms, processes, and structures that occur in urban settings and the diverse behaviors that are shaped by spatial inequality. The workshop highlights the presentation of graduate student research but also includes discussion sessions on selected readings and work-in-progress by faculty at Harvard and around the country.

## SOCIOL 319 Workshop on Mixed Methods of Empirical Analysis

CourseID: 156057

Faculty:

Next Term Offered: 2017 Fall

The graduate workshop on mixed methods is a forum for graduate students and faculty to present their empirical work-qualitative, quantitative, or mixed-methods-and get feedback on the empirical veracity of their claims. Individuals of all methodological persuasions are welcome. We are particularly interested in exploring synergies that can occur across methodological boundaries, either in the context of mixed-methods projects or in the context of collaboration between qualitative and quantitative researchers.

## Statistics

### STAT 108 Statistical Computing Software

CourseID: 121306

Faculty:

Next Term Offered:

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.

### STAT 109 Place holder

CourseID: 205028

Faculty:

Next Term Offered:

### STAT 201 Statistical Communication and Graphics

CourseID: 156489

Faculty:

Next Term Offered: 2017 Spring

### STAT 232R Topics in Missing Data

CourseID: 124706

Faculty:

Next Term Offered:

The modern era of work on missing data problems began in the 1970s and has seen an explosion of developments since then. Seminar will focus on an updated version of a classic text, supplemented with classic articles.

### STAT 240 Matched Sampling and Study Design

CourseID: 123714

Faculty:

Next Term Offered: 2018 Fall

This course provides an accessible introduction to the study of matched sampling and other design techniques in any field (e.g., economics, education, epidemiology, medicine, political science, etc.) conducting empirical research to evaluate the causal effects of interventions.

### STAT 242 Permutation and Resampling Based Statistical Methods

CourseID: 108573

Faculty:

Next Term Offered:

Bootstrap and resampling allow for principled data analysis in diverse areas such as social, biological, or physical sciences. We will implement methods in R, conduct simulation studies, tackle applied projects, and do theoretical work.

### STAT 245 Statistics and Litigation

CourseID: 124149

Faculty:

Next Term Offered: 2017 Spring

Interaction between quantitative methods and law. Teaming with law students: analyze data, prepare expert reports, and give testimony. Learn how to communicate with and present results to untrained but intelligent users, and to defend conclusions.

### STAT 260 Design and Analysis of Sample Surveys

CourseID: 126393

Faculty:

Next Term Offered: 2017 Fall

Meets with Statistics 160, but graduate students will have an extended class period and complete additional assignments for a more theoretical, in-depth treatment of topics.

### STAT 265R Reading Efron

CourseID: 127770

Faculty:

Next Term Offered: 2017 Spring

Exploration of the statistical contributions of Bradley Efron through study of his writings. Both deeply influential and deeply controversial ideas will be discussed; topics include statistical foundations and principles, estimating the number of unseen species, self-consistency, empirical Bayes, large-scale inference, and the bootstrap.

### STAT 290 Statistical Communication

CourseID: 156456

Faculty:

Next Term Offered:

### STAT 311 Monte Carlo Methods in Scientific Computing

CourseID: 122705

Faculty:

Next Term Offered:

### STAT 312R Estimation Problems for Stochastic Processes and High Dimensional Data

CourseID: 126900

Faculty:

Next Term Offered:

Focusing on inference problems for stochastic processes and statistical modeling in high dimensions. Contemporary papers from different fields will be discussed and presented by students. Participants will be encouraged to develop their own research problems in this active area.

### STAT 315 High Dimensional Causal Inference

CourseID: 156490

Faculty:

Next Term Offered:

Conducting causal inference under the Neyman-Rubin model when the number of possible covariates is on the order of the number of observations, or even larger, is non-obvious. Recent developments using a variety of methods and approaches such as (sparse) regularization, nonparametric Bayes, BART, model selection, or dimension reduction, claim to address this problem. We will read and discuss the literature in this emerging area with a critical eye.

### STAT 321 Stochastic Modeling and Bayesian Inference

CourseID: 117134

Faculty:

Next Term Offered: 2017 Spring

Stochastic processes and their applications in biological, chemical and financial modeling. Bayesian inference about stochastic models based on the Monte Carlo sampling approach.

### STAT 329 Special Topics in Bootstrap and Permutation Methods

CourseID: 110393

Faculty:

Next Term Offered: 2016 Fall

Bootstrap and permutation methods with readings both applied and theoretical. Selection of topics will vary by interest, potentially including any of Bayesian approaches, high dimensional concerns, the wild bootstrap and regression, semi-parametric likelihood with bootstrap techniques, subsampling, and more complex extensions of permutation tests.

### STAT 340 Random Network Models

CourseID: 122432

Faculty:

Next Term Offered: 2017 Spring

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.

### STAT 341 Advanced Topics in Experimental Design

CourseID: 124715

Faculty:

Next Term Offered: 2016 Fall

## STAT 342 Causal Graphs in Low and High Dimensions

CourseID: 108575

Faculty:

Next Term Offered: 2016 Fall

Papers in this area will be read with a skeptical but judicious eye. When could these methods offer something tangible, when might they fail, and how can we know in which circumstance we lie?

## STAT 399 Problem Solving in Statistics

CourseID: 123920

Faculty:

Next Term Offered: 2016 Fall

Aimed at helping Statistics PhD students transition through the qualifying exams and into research.

## Systems Biology

### SYSBIO 201 Principles of Animal Development from a Systems Perspective

CourseID: 122211

Faculty:

Next Term Offered: 2017 Spring

Intensive and critical analysis of systems approaches to circuits and principles controlling pattern formation and morphogenesis in animals. Students develop their own ideas and present them through mentored "chalk talks" and other interactive activities.

### SYSBIO 305QC Practical Synthetic Biology

CourseID: 109345

Faculty: Pamela Silver

Next Term Offered: 2017 Spring

Synthetic biology is a new discipline that seeks to enable the predictable engineering of biological systems. According to one conception of synthetic biology, proteins and genetic regulatory elements are modular and can be combined in a predictable manner. In practice however, assembled genetic devices do not function as expected. The purpose of the course is to go beyond the textbook, first-pass description of molecular mechanisms and focus on details that are specifically relevant to engineering biological systems.

## Theater, Dance, and Media

### TDM 112R Advanced Acting: Contemporary Texts

CourseID: 122906

Faculty:

Next Term Offered:

For actors interested in working in television, film and theater, this is a course of advanced acting techniques using contemporary dramatic texts for scene work. The emphasis is on action based acting and the creation of an acting process that is specifically tailored to the individual actor. Includes character work -- making physical and vocal changes. Emphasis also on learning how to audition better, includes helping actors assemble a group of working monologues to use in auditions.

### TDM 115 Acting Shakespeare

CourseID: 119020

Faculty:

Next Term Offered:

This course is an intensive study of Shakespeare's dramatic works from the point of view of the actor. It is important to remember that Shakespeare's verse dramas were written to be performed and that only when they are approached this way - as playable, theatrical texts - that they have their maximum impact. Through text analysis, scene study, vocal work, and acting exercises we attempt to find, not only the meaning, but the music and theatrical power of Shakespeare's words.

### TDM 117 Acting Chekhov

CourseID: 123900

Faculty: Remo Airaldi

Next Term Offered: 2017 Spring

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.

## TDM 132 Directing Contemporary Drama

CourseID: 108800

Faculty:

Next Term Offered:

A great opportunity for undergraduate directors to explore the musical Pippin with A.R.T.'s Artistic Director Diane Paulus as she develops the professional A.R.T. production for the Loeb Drama Center mainstage, as well as the chance to learn vivid directorial story-telling techniques from resident A.R.T. director Marcus Stern. The class will consist of a unit of core directing tools in the context of contemporary drama, and will culminate with student presentations of excerpts from Pippin.

## TDM 168X Contemporary Theatre in Europe

CourseID: 109262

Faculty:

Next Term Offered: 2017 Fall

The purpose of this class concerns with an aesthetic and political understanding of Contemporary Theatre in Europe. We will touch on a number of issues via artists' materials as well as theoretical and historical texts, with the goal of understanding the role of tradition and the impact of the modernist idea of revolution within the field of director's theatre today. Experiences in group theatre and collective creation will be analysed as well. The course looks at specific examples about some of the most interesting and radical theatre currently being made in Europe, presenting them as instances of cultural production, affective experiences and modes of re-activating the archive of past events.

## Visual and Environmental Studies

### VES 10BR Drawing 2: Drawing Expanded

CourseID: 127181

Faculty:

Next Term Offered:

An intermediate studio course to build upon basic skills, while exploring various methods and modes of drawing. Emphasis will be placed on individual projects and developing a body of work. This course considers drawing as both an immediate and mediated form, with distanced and nuanced potential. Exploring drawing as an expanded field, as process and installation, students can use various transfer techniques and incorporate found imagery--combining traditional skills and contemporary practice.

### VES 11A Drawing Room: Space as Framework

CourseID: 159761

Faculty:

Next Term Offered: 2017 Fall

This studio course aims to further basic drawing skills with intention and purpose while expanding how we see the world around us. Using conventional drawing methods as a starting point, we will explore the potential of depicting space, both literally and metaphorically. Examining landscape, objects, buildings and interiors, students are encouraged to consider their relationship to the physical, conceptual and emotional spaces they inhabit. Finding inspiration from both contemporary art practices and architecture itself, assignments will delve into abstract and conceptual principles, and introduce specialized systems of rendering and notation.

### VES 11BR Paper Always Talks a Lot : Drawing as Object:

CourseID: 160236

Faculty: Katarina Burin

Next Term Offered: 2018 Spring

This drawing based studio course will foreground the surface and structure on which drawing can be made. Playing within conventions and expected boundaries, drawing becomes a noun, an object, a finished artwork. Focus is on gaining visual understanding and intentional skill in order to have control over the merging of

form and content in ones work. Students will create a portfolio investigating personal interests based on concepts covered in class following each topic and assignment. We will draw a lot!

### VES 18 Works on Paper

CourseID: 108843

Faculty: Annette Lemieux

Next Term Offered: 2017 Spring

Through image presentations, students will be introduced to the art movements and artists of the 20th and 21st centuries. Using a variety of materials, students will create works on paper for critique that reflect these artists' beliefs and concerns.

### VES 20 Contemporary Painting Practice: Beyond the Surface

CourseID: 110055

Faculty: Annette Lemieux

Next Term Offered: 2018 Spring

Through image presentations and readings, students will be introduced to the art movements from the 1960s to the present - POP, OP, Capitalist Realism, Neo Expressionism, New Image Painting, Figuration Libre, Junge Wilde, Transavantegarde, Neo Geo, Neo Pop, etc. Students will create paintings for critique that reflect these artists' beliefs and concerns.

### VES 21S New Grounds: Painting Course

CourseID: 127166

Faculty:

Next Term Offered:

What role does a studio "foundation" play in a technologically and ideologically diverse moment? This will be a painting foundations course, with an emphasis on building skills and exposure to different materials and methods; yet, we also aim to question what the grounds for a painting practice could be, with consideration of conceptual and personal motivation, technical proficiency, and openness to

process and experimentation.

### VES 31 Beyond Objects--Sculpture Course

CourseID: 110031

Faculty:

Next Term Offered:

How can film, architecture, and the 2-dimensional image influence the sculptural process? This is a sculpture foundations course, with an emphasis on construction and the utilization of a broad range of materials and methods. Projects will consider concepts of social and personal space, memory and the psychological effects of the built environment and in addition we will look at cinema, minimalism, site specific artworks, and photography as possible points of departure.

### VES 32V Volume: Sculpture Course

CourseID: 156506

Faculty:

Next Term Offered:

A course in which we will investigate the 3-dimensionality of sculpture, asking questions about the space it consumes. We will look at the environment around us and talk about the ways in which the work we make impacts our surroundings. We will think about hills, valleys, caves, stalactites, stalagmites, highrelief, bas-relief and protrusions. We will think about mass that is kinetic, static, hanging, sitting, balanced and imbalanced.

### VES 33 Seeing Sculptures Out Walking: Studio Course

CourseID: 160208

Faculty:

Next Term Offered:

A studio course considering the possibility of sculpture to be autonomous in different contexts, ranging from the moment when an object is liberated from its original circumstances of production to its continuing life and how it might reflect on new situations. Using a variety of materials, including "found footage", we will investigate the sculptural qualities of an environment, and consider the roles that reality and immediacy can play in artistic procedure.

### **VES 34V Lost and Found: Sculpture Course**

CourseID: 156507

Faculty:

Next Term Offered:

An introductory sculpture course, Lost and Found will focus on sculptures made with found materials. Additionally, students will learn techniques related to the use of wood, plaster, and other "new" materials. In addition to studio work, the class will incorporate discussions about work and readings, watch films, listen to music, and explore other forms of expression to aid in- and out-of-the classroom art making.

### **VES 35 Sculpture as Narrative: Studio Course**

CourseID: 160210

Faculty:

Next Term Offered:

A studio course that seeks to approach sculpture through narrative, exploring how different forms of narration might appear in sculpture or be used to suggest process. Objects and stories might mutually influence each other or transform over time. A sculptural installation, developed over the course of the semester, generates room for many meta-narratives, while a self-made publication will both document and fictionalize the work.

### **VES 57R Maya Hybrids**

CourseID: 125076

Faculty:

Next Term Offered:

This course will offer an introduction to 3D computer animation, and explore hybrid forms of animation and the new thinking they enable.

### **VES 73 Exploring Culture Through Film**

CourseID: 117631

Faculty: Lucien Castaing-Taylor

Next Term Offered: 2017 Fall

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.

### VES 83 The Devil, Probably x 8 + 1: A Studio-based Seminar

CourseID: 108844

Faculty: Stephen Prina

Next Term Offered: 2018 Spring

Part 1 is a weekly studio session during which participants will create 3 projects in any medium or discipline during the term. Part 2 is a screening of the film "The Devil, Probably," 1977 by Robert Bresson for 10 consecutive weeks, interrupted by the 3 project class presentations. Different readings will accompany each screening. The final screening--+1--is "The Third Generation," 1979 by Rainer Werner Fassbinder.

### VES 106 Artist as Typographer (Seminar)

CourseID: 156233

Faculty:

Next Term Offered:

This course examines the recent proliferation of artists whose work employs typography. If we have been accustomed to the predominance of language in art at least since the rise of Conceptual practices in the early 1970s, the current turn represents something different: it takes up language's material realization and the particular histories carried within its forms. We'll examine the range of such practices, trace their genealogies, and assess their approaches toward contemporary communication.

### VES 108 Stranger than Fiction

CourseID: 108657

Faculty: Carrie Lambert-Beatty

Next Term Offered: 2017 Fall

Much recent art stages slippages between the fictive and factual. False personas, invented histories, and museums of unnatural history are some such creative deceptions —so are *Punk'd*, *Borat*, and more than a few reality TV programs. With a focus on installation art, photography, video, and performance but an eye to popular culture and political scandal as well, this critical studies seminar will trace precedents for treating our sense of reality as a plastic material, and explore the

ethical, political, and aesthetic implications. (Note: this is not an art production class).

### VES 110R Drawing 3: Drawing as Process and Instrument

CourseID: 156400

Faculty: Katarina Burin

Next Term Offered: 2017 Spring

An intermediate studio course building upon basic drawing skills, while exploring alternative methods of drawing. Focusing on drawing as process and means, rather than an end itself, we will explore historical and contemporary techniques and ways of using drawing as a "tool", including modes of architectural rendering, technical drawing, and other approaches to drawing in design and the written word. Emphasis is placed on individual projects and developing a personal focus or body of work.

### VES 115 Printed Matters: Studio Course

CourseID: 128025

Faculty:

Next Term Offered:

Painting's productive association with the technologies of reproduction. We will think both pre- and post-20th century, considering the analogue (intaglio printing, especially etching and aquatint; also block, book and commercial printing) and digital as worthy collaborators. Workshops in technique will support independent projects in any media.

### VES 125 Surface Tensions

CourseID: 127178

Faculty: Matt Saunders

Next Term Offered: 2017 Spring

``Surface" considered as formal quality and useful tool. Whether taken to mean literal materials, the chain of ideas cohering a body of work, or painting's Teflon-like durability as cultural tradition, we'll pursue strategies to engage surface: seriality, alternative supports, fature/blur; mechanical tools, casualness and formality. Of particular interest are the challenges posed by seamlessness both in photographic sources and in conversations surrounding abstraction. Emphasis on painting, but other disciplines are welcome.

### VES 125S Postcards from Volcanoes: Studio Course

CourseID: 128026

Faculty: Matt Saunders

Next Term Offered: 2017 Spring

This is an intermediate painting class grounded in individual projects and group critique. Not limited to conventional forms, we will think broadly about the edge between inchoate material and inscribed meaning. Studio work will be coupled with abundant reading and discussion.

### VES 137 New Waves

CourseID: 159778

Faculty:

Next Term Offered: 2018 Spring

This studio course invites students to create projects using new genres media such as film, video, installation, performance, actions, time, protest, and other nontraditional processes. Projects using materials such as printmaking and sculpture are also encouraged. We will develop individual projects through discussions, arguments, visiting artists, and field trips. A history of conceptual and performance art from 1950-present will be traced. The goal is to emphasize the development of artistic ideas by broadening and challenging students' investigations.

### VES 149 Intermediate Photography: Studio Course

CourseID: 205211

Faculty:

Next Term Offered:

The description for this intermediate photography course is forthcoming.

### VES 153AR Intermediate Animation: Making an Animated Film: Studio Course

CourseID: 115390

Faculty:

Next Term Offered:

This course offers returning animators a chance to extend and deepen skills and understanding of animation and to make a more substantial piece of work.

Additional exercises encourage students to challenge themselves and explore a range of creative possibilities.

### VES 158AR Sensory Ethnography 1

CourseID: 123220

Faculty: Lucien Castaing-Taylor

Next Term Offered: 2018 Spring

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.

### VES 162G Water Musics--A Dialogue of Electroacoustic Music and Moving Images

CourseID: 156277

Faculty:

Next Term Offered:

Students work with both video and sound composition to explore the mutual dependence of the two media. Water in its many manifestations provides the source material and playground for a series of assignments. The final project will be an art work for presentation in various venues: concert hall, gallery and outdoor spaces.

### VES 172B Contemporary Film Theory

CourseID: 122206

Faculty:

Next Term Offered:

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.

### VES 173 Visual Music

CourseID: 110045

Faculty: Laura Frahm

Next Term Offered: 2018 Spring

A course that explores the history of visual music throughout the 20th century and across different media. Our topics will range from early avant-garde films and Disney ani-mations to post-war art scenes and pioneers of electronic music to a survey of jukebox films and music videos. By bridging the gap between experimental and popular approaches to visual music, this course will provide a multi-layered history of the inter-relations between film, video, animation, and music.

### VES 182 Film Architectures: Seminar

CourseID: 119771

Faculty:

Next Term Offered:

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.

### VES 183 Cinema and the Auteur

CourseID: 108847

Faculty: Tom Conley

Next Term Offered: 2018 Spring

Studies development of auteur theory in French film and criticism. Readings include Cahiers du cinéma, Bazin, Deleuze, Godard, and Foucault. Viewings include Renoir, American and Italian auteurs, and post-new wave cinemas.

### VES 184 Imagining the City: Literature, Film, and the Arts

CourseID: 117218

Faculty:

Next Term Offered:

How do visual representation and narrative figuration contribute to construct urban identity? Explores the urban imagination in different art forms: 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.

### VES 193 Fortunes of a Genre: The Western

CourseID: 110037

Faculty: Tom Conley

Next Term Offered:

Studies American westerns through appreciation of genre theory and history with emphasis on French reception. Includes films of Boetticher, Dwan, De Toth, Ford, Fuller, Hawks, Hellman, Lang, Mann, Ray, Vidor, Walsh, et al.

### VES 198 American Film Noir

CourseID: 126500

Faculty:

Next Term Offered:

This seminar offers a critical survey of American film noir, the cycle of dark, fatalistic crime films that flourished in Hollywood during the period between 1940 and 1960 and remains deeply influential today. Focusing on the close study of key films, the seminar will explore the dominant iconography, tropes and patterns within them in the specific socio-cultural contexts of post-war America and deeper changes at work within the Hollywood studio system and American popular culture.

### VES 198 American Film Noir

CourseID: 156522

Faculty: Haden Guest

Next Term Offered: 2017 Fall

This lecture offers a critical survey of American film noir, the cycle of dark, fatalistic crime films that flourished in Hollywood during the period between 1940 and 1960 and remains deeply influential today. Focusing on the close study of key films, the course will explore the dominant iconography, tropes and patterns within them in the specific socio-cultural contexts of post-war America and deeper changes at work within the Hollywood studio system and American popular culture.

### VES 199 The Film Archive: History, Theory, Practice

CourseID: 110036

Faculty:

Next Term Offered:

This course studies the historical, cultural and philosophical ideas underlying the establishment of the modern motion picture archive in the mid-20th century and its development to the present day. Drawing closely from the collections and practices of the Harvard Film Archive, the film archive will be revealed as a dynamic optic through which to (re)explore notions of historiography, material specificity, visual culture and film studies.

### VES 221 The Work of Art in the Age of Its Remediation

CourseID: 205313

Faculty:

Next Term Offered:

Since the dawn of the 21st century, we are witnessing a massive migration of images in motion from screening rooms to exhibition spaces, a migration borne along by the digital revolution. This makes it possible, or even necessary, to redefine the cinema beyond the conditions which governed it in the 20th century, that is to say, over and above the restricted spectrum of its history, from a viewpoint expanded to encompass a general history of representations.

### VES 241 New Media Theory

CourseID: 110046

Faculty: Laura Frahm

Next Term Offered: 2017 Fall

A graduate course that surveys new developments in media theory and provides an overview of advanced approaches to the study of media. We will look at different schools and streams of thought that productively expand and transform the established corpus of media theory, ranging from cultural technologies, media archaeology, and object studies to non-representational theory, actor network theory, and process philosophy. Two research projects will further advance our critical survey of new media theory.

### VES 250R The Live Film: Graduate Production Course

CourseID: 110049

Faculty:

Next Term Offered: 2017 Spring

A course to pursue creative production within a rigorous studio art/film context, this artist's colloquium explores retreating boundaries between the fixity of film and the live-ness of performance. We will consider where early cinema touches performance art meets dance connects with broadcast television relates to live streaming consorts with sculpture associates to theatrical sets. The course focus is the creation of new work. Special attention is given to the development of individual artistic processes.

### VES 283 Screens: Media Archaeology and Visual Arts Seminar

CourseID: 108653

Faculty:

Next Term Offered:

How do screens function as interface between us and the world? What is the role of the screen in contemporary visual arts and media culture? The art of projection has traveled from film exhibition to art installation. With the interdisciplinary approach of visual studies, we examine the history and archaeology of screen media, their cultural and aesthetic dimensions, from pre-cinematic exhibition to the post-medium condition. Considering the art of screening in the deep time of media, we explore the changing architecture of screen space, at the crossroads of science and art, museum and moving images.

### VES 287 Cinema and Nation

CourseID: 108608

Faculty: Eric Rentschler

Next Term Offered: 2017 Spring

This course addresses the role of modern media in the formation of local and global identities. In that endeavor we will consider exemplary films from a number of nations as well as pertinent historical and theoretical texts.

### VES 291 The 1960s and the End(s) of French Cinema

CourseID: 156234

Faculty:

Next Term Offered:

The 1960s are typically seen as a decade when French film flourished, renewed by the youthful energies of the Nouvelle Vague, but for experimental filmmakers and theorists like Guy Debord, Jean-Luc Godard, Chris Marker, or Jean Rouch, it was a period of radical questioning and critique of the medium. This seminar traces an

alternate history of postwar French film, focusing on issues of experimental documentary, militant film, and radical theorizations of film and media.

### VES 351HFA Film Study Center Non-Fiction Filmmaking Workshop

CourseID: 127539

Faculty: Lucien Castaing-Taylor

Next Term Offered: 2017 Fall

A graduate workshop for Film Study Center non-fiction film and video projects. Students must complete both parts of this course (parts A and B) within the same academic year in order to receive credit.

### VES 351HFB Film Study Center Non-Fiction Filmmaking Workshop

CourseID: 160681

Faculty: Lucien Castaing-Taylor

Next Term Offered: 2018 Spring

A graduate workshop for Film Study Center non-fiction film and video projects. Students must complete both parts of this course (parts A and B) within the same academic year in order to receive credit.

### VES 355R Critical Media Practice

CourseID: 156526

Faculty: Matt Saunders

Next Term Offered: 2018 Spring

This course is for graduate students pursuing the PhD Secondary Field in Critical Media Practice, as well as for other students creating artistic or interpretive media projects that are complementary to their scholarship. Open to any media or subject matter, the course is centered around exhaustive, constructive critique, supplemented by workshops, screenings and visiting artists.

## **Women, Gender, and Sexuality, Studies of**

### **WOMGEN 1200SH Power to the People: Black Power, Radical Feminism, and Gay Liberation, 1955-1975**

CourseID: 108482

Faculty:

Next Term Offered:

An introduction to the radical American social change movements of the 1960s and 70s. We will examine the specific historical conditions that allowed each of these movements to develop, the interconnections and contradictions among them, and why they ultimately lost political power. Along with historical analysis, we will examine primary source materials, manifestos, autobiographies, and media coverage from the period, as well as relevant films, music, and fiction. The class will be a mixture of lecture and discussion.

### **WOMGEN 1221 La Chicana: Race, Gender, and Mexican-American Identity**

CourseID: 156262

Faculty:

Next Term Offered:

This course is an interdisciplinary exploration of the Chicana identities through feminist histories and scholarship. Beginning with a brief historical overview of Mexican American women in the U.S., we'll consider the emergence of Chicana feminism and examine the genesis of the term, "Chicana" as it was developed and deployed during El Movimiento in the early 1970's. Then move into contemporary explorations of identity including race, regional difference, art, literature, and community organizing. Course participants will gain the ability to recognize the interplay of social processes on the development of identity, especially within U.S. cultural institutions.

### **WOMGEN 1228 Race, Gender, and Criminality**

CourseID: 156551

Faculty:

Next Term Offered:

What is a crime and who is a criminal? How are social understandings of punishment and control informed by hegemonic racial ideologies? How do the answers to these questions change the ways we imagine and respond to news? to

violence? or social inequity? This seminar will examine the complex intersections between race, gender, poverty, and crime within U.S. cultural, political and social contexts. To do this, we will explore historical and contemporary studies that provide arguments about the connections between race, gender, poverty and the criminal justice system. Topics include: mass incarceration, policing, violence, reproductive control and media representations of crime.

### WOMGEN 1233 Gender, Sexual Violence, and Empire

CourseID: 124941

Faculty:

Next Term Offered:

Making the case for what Deepika Bahri identifies as the "prominent and constitutive" role of gender-and sexuality-in colonial formations, this course will examine how gendered and sexed ideas and practices were critical to signifying racial difference, naturalizing exploitation, symbolizing the colonial mission, and managing colonial economies. We will ask, with Ann Laura Stoler, was sexual domination a metaphor for colonial power, or the very "substance" of imperial policy?

### WOMGEN 1243 Men to Boys: Masculinity in Postwar Hollywood Film

CourseID: 109610

Faculty:

Next Term Offered:

This survey course examines the changing images of masculinity in Hollywood films from 1950 to the present. We will use the films, critical readings, feminist theory, film theory and primary source materials to chart the enormous changes in how postwar culture conceptualized "manhood" and "masculinity." Beginning with post-World War II films such as "The Men," and then covering Vietnam films and sports films such as "Rocky" and "Raging Bull" we will end with popular comedies celebrating male immaturity of Judd Apatow. We will be analyzing the films in the economic, political, sociological, and psychological context in which they were made and to which they were responding.

### WOMGEN 1249 Gender in African History

CourseID: 110078

Faculty:

Next Term Offered:

This seminar surveys the changing politics of gender across African history, in conversation with global histories of gender and sexuality. We investigate three questions: How can we understand the history of gender in Africa before colonialism? What role did gender play in the making and unmaking of colonialism? How have nationalist and postcolonial politics been defined by gendered categories? Readings include case studies from west, east, and southern Africa, treating themes from the history of sexuality to the history of political culture. Each student will present an original research project related to course themes.

### WOMGEN 1258 Friends with Benefits?

CourseID: 127756

Faculty:

Next Term Offered:

How many people would you count as your friends? Facebook friends? Facebook Close Friends? Google+ friends? Other network friends? Friends with Benefits? Does sex get in the way of friendship? Are your friends mostly of the same sex/gender/sexuality? Is it harder to make friends with persons of different sex/gender/sexuality? How have friendships changed as people have become more embedded in online communities? The course will begin with a consideration of current conversations about friendship, including popular TV serials in which friendships are lived and variously configured through sexual relationships. What could we make about meanings of friendship and sex, and their inter-relationship, in contemporary American culture? We will read various texts that form historical threads that inform our contemporary concepts and practices of friendship and romance. Readings will include Winthrop, Plato, Cicero, Biblical sources, St. Augustine, St. Aquinas, Montaigne, Bray, Marcus, Sedgwick, and Foucault. Finally, we will return to contemporary America, asking what gay marriage, Facebook, and changing conceptions of masculinity/femininity are doing to/for friendship.

### WOMGEN 1421 Medical Management of the Female Body

CourseID: 126957

Faculty:

Next Term Offered: 2017 Fall

This course examines how Western medical knowledge, practices, and institutions define female health and normality and manage diseased and gender-variant female bodies. How, for instance, does medicine conceive of the female body as a medical problem or mystery and how do race, class, and sexuality inflect these conceptions? Topics include: "female maladies," medicalization of childbirth and

the pregnant body, medical management of transgender and intersexed bodies, ideals of fitness, cosmetic surgery, disability, and pharmaceutical marketing.

### **WOMGEN 1440 Mommy Wars: Race, Class, and the Politics of Motherhood**

CourseID: 110018

Faculty:

Next Term Offered:

The term "mommy wars" emerged in 1990 to suggest that relations between "working mothers" and "stay at home mothers" were characterized by mutual animosity and petty status battles between women defined through their roles as mothers. Yet the political, cultural, and economic struggles over motherhood have deep roots and high stakes. This seminar will look critically at the history and literature of the "mommy wars," from The Feminine Mystique to contemporary advice literature, paying special attention to voices often excluded from mainstream media representations. Topics include mothers in the workplace, race and reproduction, caring labor, and class in discourses of "good" and "bad" mothering.

### **WOMGEN 1441 The Sexual Life of Colonialism**

CourseID: 205058

Faculty:

Next Term Offered:

Sexuality has long shaped racial and civilizational assessments of what it means to be modern. We will investigate the role of colonialism in racial imaginations of gender and sexuality and how these histories shape contemporary understandings of queer politics, rights, and resistance around the world. We will explore histories of sexual control, colonial and racial difference, and marginal sexualities in colonial and postcolonial spaces, including West Asia, South Asia, and Sub-Saharan Africa. The course will cover many forms of sexuality including interracial relationships between colonizer populations and the colonized, questions of sexual violence, queer and same-sex desires, sexual outcasts like prostitutes, and the politics of gender difference and trans individuals.

### **WOMGEN 1467 Sex, Race, and The Visual: Studies in Art and Literature**

CourseID: 156625

Faculty:

Next Term Offered:

This course will examine categories of race, gender, sex, and sexuality through the lens of the visual. Using contemporary literature, photography, performance art, film, and theories of the visual, our task is to investigate the import and utility of embodiment. How do race, gender, and sexuality function in artistic imaginary? What can we glean from cultural productions that engage the viewer/reader in ways that challenge ideas about conformity, fluidity, belonging, and self-reflection? More than a linear literary or theoretical trajectory, this course will provide a template for all the mechanisms of the visual-psychological and ocular, interpretive, rhetorical and performative.

**WOMGEN 2012 Sex as an Ethical Problem (Graduate Seminar in General Education)**

CourseID: 156047

Faculty:

Next Term Offered:

This seminar will draft and then evaluate alternate plans on ethical reasoning about sexual acts, desires, and identities. In an astonishingly short time, sex has been pushed from the center of American morality to somewhere beyond the edge of it. A hundred years ago, "immorality" without qualification usually meant sexual misconduct, especially by women. Today many Americans are unclear whether there is any morality to sex beyond counsels of hygiene or responsible reproduction. This rapid historical change makes sex a very good place to think not only about how ethical reasoning changes, but what it does and doesn't add to human lives. The seminar will consider the full range of topics pertinent to a course on sexual ethics, but also and perhaps more importantly the array of possible pedagogies.