FRESHMAN SEMINAR PROGRAM

The Freshman Seminar program offers a diverse array of courses open only to first-year students and designed with first-years in mind. Enrollment in seminars is limited to fifteen or eighteen students, depending on the nature of the course. Most seminars meet twice each week and do not, unless otherwise noted, presume any prior experience in the field. Students must apply and preregister for freshman seminars before the beginning of each term. To ensure that all applicants share an equal chance at enrolling in a seminar, students are admitted by lottery from among those who apply. Students who do not preregister may be considered for placement at the instructor’s discretion if space is available. Information regarding application procedures may be found on the program’s website.

Courses

* **AFAM 060b / AMST 060b / HIST 016b, Significance of American Slavery**  Edward Rugemer
  The history of American slavery, its destruction during the nineteenth century, and its significance today. Topics include the origins of slavery, the development of racism, the transatlantic slave trade, the experience of enslavement, resistance to slavery, the abolitionist movement, the process of emancipation, and the perpetuation of slavery and other forms of unfree labor in the twenty-first century. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU
* **AMST 007a / HSAR 002a, Furniture and American Life**  Edward Cooke
  In-depth study and interpretation of American furniture from the past four centuries. Hands-on experience with furniture in the collection of the Yale University Art Gallery to explore such topics as materials, techniques, styles, use, and meaning. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU
* **ANTH 011a, Reproductive Technologies**  Marcia Inhorn
  Introduction to scholarship on the anthropology of reproduction. Focus on reproductive technologies such as contraceptives, prenatal diagnostics, childbirth technologies, abortion, assisted reproduction, surrogacy, and embryonic stem cells. The globalization of reproductive technologies, including social, cultural, legal, and ethical responses. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  SO
  Anthropology: Sociocultural
* **ANTH 030a / ARCG 030a / LAST 030a, Inca Culture and Society**  Richard Burger
  History of the Inca empire of the Central Andes, including the empire’s impact on the nations and cultures it conquered. Overview of Inca religion, economy, political organization, technology, and society. Ways in which different schools of research have approached and interpreted the Incas over the last century, including the influence of nationalism and other sources of bias on contemporary scholarship. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  SO
  Anthropology: Archaeology
* **APHY 050a / PHYS 050a, Science of Modern Technology and Public Policy**  Daniel Prober
  Examination of the science behind selected advances in modern technology and implications for public policy, with focus on the scientific and contextual basis of each advance. Topics are developed by the participants with the instructor and with guest lecturers, and may include nanotechnology, quantum computation and cryptography, renewable energy technologies, optical systems for communication and medical diagnostics, transistors, satellite imaging and global positioning systems, large-scale immunization, and DNA made to order. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  SC, RP
* **ARGC 030a / ANTH 030a / LAST 030a, Inca Culture and Society**  Richard Burger
  History of the Inca empire of the Central Andes, including the empire’s impact on the nations and cultures it conquered. Overview of Inca religion, economy, political organization, technology, and society. Ways in which different schools of research have approached and interpreted the Incas over the last century, including the influence of nationalism and other sources of bias on contemporary scholarship. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  SO
* **ARCH 004a, Modern Architecture and the City**  Karla Britton
  Issues in modern American architecture and urbanism examined through the work of prominent architects closely associated with Yale and New Haven. Perspectives on the character, development, and sociocultural consequences of building today. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  HU
* **ARCH 009b / CPSC 078b, See it, Change it, Make it**  Julie Dorsey
  Hands-on introduction to the theory and practice of digital capture, modeling, and fabrication. Topics include digital representations of shape, 3D scanning, shape modeling and editing, and physical production, including 3D printing, milling, and laser cutting. Architectural forms at a variety of scales used as vehicles for exploration and experimentation. There are no course prerequisites. Students are expected to be proficient in high school-level algebra, trigonometry, and geometry. No prior knowledge of architecture is expected. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  QR
* **ART 003a / FILM 053a, Blue**  Jessica Helfand
  The cultural and iconic history of the color blue and its role as both a method and a motive for making work in the studio. The word "blue" and its etymological core, evocative connotations, colloquial nuance, and semantic role in different languages and cultures;
scientific and sociological issues; blue in film and the fine arts. Projects experiment with writing, collecting, collage, and digital video. Use of materials from the Beinecke Library. Enrollment limited to 15 freshmen. Preregistration required; see under Freshman Seminar Program. HU

* ART 004b, Words and Pictures  Halsey Rodman
Introduction to visual narration, the combination of words and pictures to tell a story. Narrative point of view, counternarrative and counterculture, visual satire, personal history, depictions of space and time, and strategies and politics of representation. Sources include illuminated manuscripts, biblical paintings, picture-stories, comic strips, and graphic novels. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU RP

* ART 006a, Art of the Printed Word  Richard Rose
Introduction to the art and historical development of letterpress printing and to the evolution of private presses. Survey of hand printing; practical study of press operations using antique platen presses and the cylinder proof press. Material qualities of printed matter, connections between content and typographic form, and word/image relationships. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* ART 007b, Art of the Game  Sarah Stevens-Morling
Introduction to interactive narrative through video game programming, computer animation, and virtual filmmaking. Topics include interactive storytelling, video game development and modification, animation, and virtual film production. Students produce a variety of works including web-based interactive narratives, collaboratively built video games, and short game-animate film production (machinima). Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* ART 008a, The Gothic, the Grotesque, and Other Dark Aesthetics  Staff
Analytical approaches, drawn from philosophy, critical theory, and popular culture, to explore the darker corners of aesthetics, art history, and the visual landscape, including the Gothic, the Grotesque, the Decadent, camp, kitsch, and the sublime. Definitions of good taste and bad, beauty and ugliness, cuteness and creepiness; and the roles played by gender, race, class, and power in shaping such concepts and sensibilities. Enrollment limited to 15 freshmen. Preregistration required; see under Freshman Seminar Program. HU RP

* ART 009b, The Visual Book  Richard Rose
Consideration of the book as a work of art, as produced by some of the most influential and respected artists and designers of today. Different ways of understanding and making books through the creation of content that integrates text, images, color, graphic sequence, sculptural elements, and audience. In concert with assigned readings, students investigate approaches to ideation, book structure, graphic sequence, media/materials, collaborations, and thematic studies, culminating in a collective synthesis project. RP

* ART 010a, Mastering the Art of Watercolor  Adam Van Doren
Introduction to the fundamentals of watercolor painting. Students learn to paint en plein air and to render color, form, perspective, composition, and shade and shadow. Analysis of works by such varied artists as J. M.W. Turner, John Singer Sargent, Maurice Prendergast, and Edward Hopper. Includes weekly painting assignments, scholarly readings, and a brief term paper. Open both to seasoned artists and to beginners; basic drawing skills recommended. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU RP

* CGSC 071a, The Mind of a Dog  April Ruiz
Examination of one of humans' closest companions: the domestic dog. Readings and class discussion explore how researchers study animal minds—from early observations of animal behavior to contemporary research in comparative cognition—and how this informs emerging work in canine cognition. Further discussion of how the human mind interprets dog behavior and how empirical investigations of canine cognition shed new light in understanding how pets see the world. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. SO

* CLCV 034b / HIST 037b / HSHM 002b, Medicine and Disease in the Ancient World  Jessica Lamont
Examination of ancient medicine considering modern fields of pathology, surgery, pharmacology, therapy, obstetrics, psychology, anatomy, medical science, ethics, and education, to gain a better understanding of the foundations of Western medicine and an appreciation for how medical terms, theories, and practices take on different meanings with changes in science and society. All readings in English. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* CPS 035b, Twenty-First Century Electronic and Computer Music Techniques  Scott Petersen
Exploration of twenty-first century electronic and computer music through the diverse subjects and issues at the intersection of technology and new music. How computers have changed and challenged the analysis, composition, production, and appreciation of music over the last fifty years. Knowledge of basic music theory and the ability to read Western musical notation is assumed. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* CPS 078b / ARCH 009b, See it, Change it, Make it  Julie Dorsey
Hands-on introduction to the theory and practice of digital capture, modeling, and fabrication. Topics include digital representations of shape, 3D scanning, shape modeling and editing, and physical production, including 3D printing, milling, and laser cutting. Architectural forms at a variety of scales used as vehicles for exploration and experimentation. There are no course prerequisites. Students are expected to be proficient in high school-level algebra, trigonometry, and geometry. No prior knowledge of architecture is expected. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. QR
* E&EB 050a, The Evolution of Beauty  Richard Prum
Exploration of the fundamental mechanism of sexual selection and mate choice, and the patterns of display trait and mating preference coevolution. Additional topics include what happens when the freedom of mate choice is infringed or disrupted by sexual coercion or sexual violence; and the role of aesthetic evolution and sexual conflict in the evolution of human sexuality, pleasure, and sexual diversity.
Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  SC

* E&EB 050a, Imperial Pleasure Parks and Private Gardens of China  Pauline Lin
Study of imperial parks and private gardens in China, focusing on five historic times, spanning from the second century CE to modernity. Topics include the rationales, philosophies, and economics of constructing gardens; their designs; depictions in paintings and literature; their impact on the Chinese cultural imagination; modern commercial recreations of earlier gardens and environmental art; and the changing uses of gardens through time. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  HU

* EAST 030a / HIST 030a, Tokyo  Fabian Drixler
Four centuries of Japan's history explored through the many incarnations, destructions, and rebirths of its foremost city. Focus on the solutions found by Tokyo's residents to the material and social challenges of concentrating such a large population in one place. Tensions between continuity and impermanence, authenticity and modernity, and social order and the culture of play. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU

* ENGL 017b, Shakespeare's Major Tragedies  David Kastan
Detailed exploration of Shakespeare's Hamlet, Othello, King Lear, and Macbeth. What makes the plays great in a way that almost all readers and audiences have recognized. The works as plays to be performed, as drama to be read, as texts that have been constructed by the activities of various people, and as plays deeply embedded in the history of their own moment, as well as in later histories for which they are in some part responsible. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU

* ENGL 019a, Cosmology and Literature  John Rogers
A study of the literature of cosmology and cosmogony, from Genesis, Hesiod, Plato, and Lucretius, to Milton, Newton, Swedenborg, Joseph Smith, L. Ron Hubbard, Jorge Luis Borges, and Ursula K. Le Guin. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU

* ENGL 020a / FILM 020a, Literature, Media, and Weather  John Peters
Interdisciplinary overview of how weather serves as a topic of human imagination and invention across such domains as literature and science, philosophy and religion, painting and popular culture. The stories we tell about weather, the temperamental and nebulous materials of weather, and the media that helps us understand it and shape it. Readings include poems, prose, and academic articles. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU

* ENGL 021b, Fiction and Consciousness  Jonathan Kramnick
Study of literature and the representation of consciousness, focusing in particular on the novel, from Jane Austen to the present. What literature can tell us about the way minds work; how novels represent the felt experience of people going about their lives; how literature partners with other ways of understanding the mind, such as psychology and neuroscience. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU

* ENGL 022a, The Art of Losing  Staff
Representation of heartache and haunting in literature, film, and popular music, and how art grapples with the experience of loss. Topics include teenage rebellion and disillusionment, lovesickness, elegy, the Victorian cult of death, historical trauma, spiritualism, and the occult. Course materials supplemented by archival objects (spirit photographs, memento mori jewelry, and letters) from the Beinecke Library and the Yale Center for British Art. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU

* EVST 007a, The New England Forest  Marlyse Duguid
Exploration of the natural history of southern New England, with specific focus on areas in and around New Haven. Pertinent environmental issues, such as climate change, endangered species, and the role of glacial and human history in shaping vegetative patterns and processes, are approached from a multi-disciplinary framework and within the context of the surrounding landscape. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.
* **F&ES 020a / EVST 020a, Sustainable Development in Haiti**  Gordon Geballe
The principles and practice of sustainable development explored in the context of Haiti's rich history and culture, as well as its current environmental and economic impoverishment. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **WR**

* **FILM 044a / THST 099a, Dance on Film**  Emily Coates
An examination of dance on film from c. 1920 to the present, including early Hollywood pictures, the rise of Bollywood, avant-garde films of the postwar period, translations of stage choreography to screen, music videos, and dance film festivals. The impact of industry, circulation and audience, aesthetic lineages, and craft in the union of the two mediums. Students develop an original short film for a final class project. No prior dance or filmmaking experience necessary. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **WR, HU**

* **FILM 053a / ART 003a, Blue**  Jessica Helfand
The cultural and iconic history of the color blue and its role as both a method and a motive for making work in the studio. The word "blue" and its etymological core, evocative connotations, colloquial nuance, and semantic role in different languages and cultures; scientific and sociological issues; blue in film and the fine arts. Projects experiment with writing, collecting, collage, and digital video. Use of materials from the Beinecke Library. Enrollment limited to 15 freshmen. Preregistration required; see under Freshman Seminar Program.  **HU**

* **FREN 012b / LITR 020b, French Literature in Global Context**  Jill Jarvis
Introduction to contemporary French fiction in a global perspective. Close readings of prizewinning novels by writers of the former French Empire—in Africa, the Middle East, Southeast Asia, and the Caribbean—alongside key manifestos and theoretical essays that define or defy the notion of world literature. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **HU**

* **G&G 010a / EVST 010a, Earth, Resources, Energy, and the Environment**  Mary-Louise Timmermans
Humankind's interactions with, and place within, the natural world. Plate tectonics and natural disasters, biological evolution and mass extinction, human evolution, population growth and ecology, industrial resources, groundwater and pollution, fossil fuels and energy transitions, the carbon cycle and greenhouse gases, paleoclimates, current global warming, alternative energies, and a planetary perspective on the Earth as a singular oasis in space. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **SC**

* **HIST 006b / HSHM 006b, Medicine and Society in American History**  Staff
Disease and healing in American history from colonial times to the present. The changing role of the physician, alternative healers and therapies, and the social impact of epidemics from smallpox to AIDS. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **WR, HU**

* **HIST 012b / AMST 012b, Politics and Society in the United States after World War II**  Jennifer Klein
Introduction to American political and social issues from the 1940s to the present, including political economy, civil rights, class politics, and gender roles. Legacies of the New Deal as they played out after World War II; the origins, agenda, and ramifications of the Cold War; postwar suburbanization and its racial dimensions; migration and immigration; cultural changes; social movements of the Right and Left; Reaganism and its legacies; the United States and the global economy. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **HU**

* **HIST 020b / ARCG 031b / CLCV 059b / EVST 030b / NELC 026b, Rivers and Civilization**  Harvey Weiss
The appearance of the earliest cities along the Nile and Euphrates in the fourth millennium B.C. Settlements along the rivers, the origins of agriculture, the production and extraction of agricultural surpluses, and the generation of class structures and political hierarchies. How and why these processes occurred along the banks of these rivers; consequent societal collapses and their relation to abrupt climate changes. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **HU, SC**

* **HIST 022a, What History Teaches**  John Gaddis
An introduction to the discipline of history. History viewed as an art, a science, and something in between; differences between fact, interpretation, and consensus; history as a predictor of future events. Focus on issues such as the interdependence of variables, causation and verification, the role of individuals, and to what extent historical inquiry can or should be a moral enterprise.  **WR, HU**

* **HIST 030a / EAST 030a, Tokyo**  Fabian Drixler
Four centuries of Japan's history explored through the many incarnations, destructions, and rebirths of its foremost city. Focus on the solutions found by Tokyo's residents to the material and social challenges of concentrating such a large population in one place. Tensions between continuity and impermanence, authenticity and modernity, and social order and the culture of play. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **WR, HU**

* **HIST 032a / EAST 032a, Shanghai**  Denise Ho
History of the city of Shanghai, with a focus on how Shanghai has been seen and what its experience reveals about modern China. Shanghai’s unique place in imagining China; its transformation in the nineteenth century from a fishing village to an international "treaty port" and China’s gateway to the West; twentieth-century Shanghai as a site of innovation, from politics and capitalism to media and fashion; the city’s vilification in the early Mao years and later reemergence as a symbol of China’s modernization. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  **WR, HU**
* HIST 033a / WGSS 033a, Fashion in London and Paris, 1750 to the Present  Becky Conekin
Introduction to the history of Western fashion from the mid-eighteenth century to the present, with a focus on Paris and London. Approaches, methods, and theories scholars have historically employed to study fashion and dress. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. WR, HU

* HIST 034a, Cuba from Slavery to Revolution  Anne Eller
Cuba’s rich history from the early colonial period to the present. Topics include colonialism, slavery, independence, emancipation, the Cuban Revolution, and the nation’s relationship with the United States. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. WR, HU

* HIST 037b / CLCV 037b / HSHM 007b, Medicine and Disease in the Ancient World  Jessica Lamont
Examination of ancient medicine considering modern fields of pathology, surgery, pharmacology, therapy, obstetrics, psychology, anatomy, medical science, ethics, and education, to gain a better understanding of the foundations of Western medicine and an appreciation for how medical terms, theories, and practices take on different meanings with changes in science and society. All readings in English. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* HIST 037b, The Americas in the Age of Revolutions  Marcela Echeverri Munoz
The connections, contrasts, and legacies of revolutions in the British, French, and Spanish Atlantic empires in the eighteenth and nineteenth centuries. Interactions between liberalism, black politics and antislavery, indigenous autonomy and citizenship, and revolutions in the Atlantic world between the 1760s and 1880s. Topics include the foundations of the Atlantic empires, strands of anticolonialism across the Americas, social aspects of the revolutionary movements, abolitionism and emancipation processes, and relations between the emergent American nations. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. WR, HU

* HIST 041b, The Americas in the Age of Revolutions  Valerie Hansen
Introduction to the history of Western fashion from the mid-eighteenth century to the present, with a focus on Paris and London. Approaches, methods, and theories scholars have historically employed to study fashion and dress. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. WR, HU

* HIST 041b, The Americas in the Age of Revolutions  Stephen Davis
Investigation into the history of Christianity in the Arabic-speaking world, with focus on interactions between Christians and Muslims. Topics include: the history of Christianity among the Arabs prior to the rise of Islam and during the early Islamic period; the cultural contributions of medieval Christian Arabs in theology, science, philosophy, and ethics; and the role of religion and politics among Christians and Muslims in the modern Middle East. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU
* HSAR 002a / AMST 007a, Furniture and American Life  Edward Cooke  
In-depth study and interpretation of American furniture from the past four centuries. Hands-on experience with furniture in the collection of the Yale University Art Gallery to explore such topics as materials, techniques, styles, use, and meaning. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU RP

* HSHM 002b / CLCV 034b / HIST 037b, Medicine and Disease in the Ancient World  Jessica Lamont  
Examination of ancient medicine considering modern fields of pathology, surgery, pharmacology, therapy, obstetrics, psychology, anatomy, medical science, ethics, and education, to gain a better understanding of the foundations of Western medicine and an appreciation for how medical terms, theories, and practices take on different meanings with changes in science and society. All readings in English. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  HU

* HSHM 005b / HIST 006b, Medicine and Society in American History  Staff  
Disease and healing in American history from colonial times to the present. The changing role of the physician, alternative healers and therapies, and the social impact of epidemics from smallpox to AIDS. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  WR, HU

* HUMS 065a, Education and the Life Worth Living  Matthew Croasmun  
Consideration of education and what it has to do with real life—not just any life, but a life worth living. Engagement with three visions of different traditions of imagining the good life and of imagining education: Confucianism, Christianity, and Modernism. Students will be asked to challenge the fundamental question of the good life and to put that question at the heart of their college education. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  HU

* HUMS 071a, Intellectual Circles  Charles Hill  
Study of the creative interactions produced by informal associations of innovative minds in literature, philosophy, politics, science, psychology, the arts, war, and law. Courtiers, advisors, disciples, and disputers around Confucius, Socrates, Lincoln, Freud, Wittgenstein, and Niebuhr are among the circles considered. Groups include American Founders, quantum physicists, computer scientists, Gertrude Stein’s “Lost Generation” of Americans in Paris, “The Georgetown Set” of Cold War friends and rivals, and the Supreme Court.  HU

* HUMS 078b, Shakespeare and Music  Judith Malafronte  
The use of music in Shakespeare’s plays, from the original stagings and seventeenth-century adaptations to modern productions. Consideration of operatic versions of the plays from the nineteenth, twentieth, and twenty-first centuries. Includes a field trip to New York City. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  HU

* HUMS 080a, Transforming Literature into Opera  Judith Malafronte  
Examination of ten operatic masterpieces and their literary source material, with consideration of the roles of the composer and the librettist in fashioning poems, short stories, and plays into operatic works. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  HU

* JDST 026a / PLSC 026a / RLST 026a, Political Theology  Eliyahu Stern  
Investigation of the theological aspects of modern political ideologies. Topics include sovereignty, universalism, law, election, commandment, and messianism. Primary readings include selections from the Hebrew Bible and the New Testament, and the writings of Thomas Hobbes, Barukh Spinoza, Carl Schmidt, Mikhail Bakunin, Karl Marx, Jacob Taubes, Martin Buber, and Alain Badiou. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  HU

* LAST 030a / ANTH 030a / ARCG 030a, Inca Culture and Society  Richard Burger  
History of the Inca empire of the Central Andes, including the empire’s impact on the nations and cultures it conquered. Overview of Inca religion, economy, political organization, technology, and society. Ways in which different schools of research have approached and interpreted the Incas over the last century, including the influence of nationalism and other sources of bias on contemporary scholarship. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  SO

* MB&B 004a, Topics in Cancer Biology  Sandy Chang  
Introduction to cancer as a genetic disease, with a focus on major discoveries in cancer biology that offer mechanistic insights into the disease process. A brief history of cancer; influence of the genomic revolution on cancer diagnostics; molecular defects underlying specific cancers; current and future cancer therapeutics. Patient case studies highlight specific molecular pathways and treatment strategies. Enrollment limited to freshmen with a strong background in biology and/or chemistry, typically demonstrated by a score of 5 on Advanced Placement examinations. Preregistration required; see under Freshman Seminar Program.  SC

* MCDB 040b, The Science and Politics of Cancer  Robert Bazell  
Fundamentals of cell biology, Darwinian evolution, immunology, and genetics that underlie cancer; the history of cancer science and treatment; historical and current policy issues. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.  SC

* MCDB 050a, Immunology and Microbes  Paula Kavathas  
Introduction to the immune system and its interaction with specific microbes. Attention both to microbes that cause illness, such as influenza, HIV, and HPV, and to microbes that live in harmony with humans, collectively called the microbiome. Readings include novels
and historical works on diseases such as polio and AIDS. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. SC RP

* MMES 082a / RLST 082a, Representing Muhammad  Travis Zadeh
Interpretations of Muhammad's life, including traditional and modern representations of Muhammad by pious Muslims, as well as an array of portrayals produced by non-Muslim polemics and admirers, alike. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. WR, HU

* MUSI 012a, One Thousand Years of Love Songs  Anna Zayaruznaya
History of the love song in Western culture from the twelfth-century troubadours to contemporary popular hits. Music and the shifting social constructions of desire over the past millennium. The song repertory's engagement with ideas and movements such as courtly love, humanism, romanticism, sexual libertinism, and the LGBT rights movement. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. WR, HU

* MUSI 020b, Conducted Improvisation Ensemble  Michael Veal
Exploration and elaboration of the conduction (i.e. conducted improvisation) methods of Lawrence “Butch” Morris (1947–2013). Ensemble rehearsals; weekly listening assignments to familiarize students with different approaches to improvised music; assigned readings that provide historical context for students' musical work. Players of all instruments and skill levels are welcome. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU RP

* MUSI 065a, Shape-Note Traditions of the United States  Ian Quinn
Introduction to the folk-song process known as shape-note or Sacred Harp singing, a unique tradition of community a cappella music-making. The tradition's roots in colonial New England, its growth in the southern states between the Civil War and the World Wars, and its complicated relationship to ethnic and national identity. Exploration of a way of relating to music that is fundamentally different from the performer-audience relationship; concepts of folk music and oral tradition. Students will participate in the local shape-note singing community. No singing experience or music-reading ability required. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.

* NELC 001a / AFST 001a / ARCG 001a, Egypt and Northeast Africa: A Multidisciplinary Approach  John Darnell
Examination of approximately 10,000 years of Nile Valley cultural history, with an introduction to the historical and archaeological study of Egypt and Nubia. Consideration of the Nile Valley as the meeting place of the cultures and societies of northeast Africa. Various written and visual sources are used, including the collections of the Peabody Museum and the Yale Art Gallery. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.

* NELC 025b / HIST 082b / RLST 030b, Christians and Muslims in the Arab World  Stephen Davis
Investigation into the history of Christianity in the Arabic-speaking world, with focus on interactions between Christians and Muslims. Topics include: the history of Christianity among the Arabs prior to the rise of Islam and during the early Islamic period; the cultural contributions of medieval Christian Arabs in theology, science, philosophy, and ethics; and the role of religion and politics among Christians and Muslims in the modern Middle East. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.

* PLSC 026a / JDST 026a / RLST 026a, Political Theology  Eliyahu Stern
Investigation of the theological aspects of modern political ideologies. Topics include sovereignty, universalism, law, election, commandment, and messianism. Primary readings include selections from the Hebrew Bible and the New Testament, and the writings of Thomas Hobbes, Barukh Spinoza, Carl Schmidt, Mikhail Bakunin, Karl Marx, Jacob Taubes, Martin Buber, and Alain Badiou. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.

* RLST 015a / SAST 057a, Gods and Heroes in Indian Religions  Phyllis Granoff
The basic doctrines and practices of India's three classical religions, Buddhism, Jainism, and Hinduism, explored through close reading of texts in translation. Lives of the founders, great monks, nuns, and lay followers of Buddhism and Jainism; myths of the major Hindu gods; heroines and goddesses in the three traditions. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.

* RLST 018b, Yoga in South Asia and Beyond  Supriya Gandhi
The history of yoga practice and thought from the earliest textual discussions of yoga until the present day. Topics include the body, cosmology, cross-cultural interactions, colonialism, and orientalism. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.

* RLST 022a, Religion and Science Fiction  Maria Doerfler
Survey of contemporary science fiction with attention to its use and presentation of religious thought and practice. Focus on the ways in which different religious frameworks inform the literary imagination of this genre, and how science fiction in turn creates religious systems in both literature and society. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program.

* RLST 026a / JDST 026a / PLSC 026a, Political Theology  Eliyahu Stern
Investigation of the theological aspects of modern political ideologies. Topics include sovereignty, universalism, law, election, commandment, and messianism. Primary readings include selections from the Hebrew Bible and the New Testament, and the writings
of Thomas Hobbes, Barukh Spinoza, Carl Schmidt, Mikhail Bakunin, Karl Marx, Jacob Taubes, Martin Buber, and Alain Badiou. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* RLIST 030b / HIST 082b / NELC 025b, Christians and Muslims in the Arab World  Stephen Davis
Investigation into the history of Christianity in the Arabic-speaking world, with focus on interactions between Christians and Muslims. Topics include: the history of Christianity among the Arabs prior to the rise of Islam and during the early Islamic period; the cultural contributions of medieval Christian Arabs in theology, science, philosophy, and ethics; and the role of religion and politics among Christians and Muslims in the modern Middle East. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* RLIST 082a / MMES 082a, Representing Muhammad  Travis Zadeh
Interpretations of Muhammad’s life, including traditional and modern representations of Muhammad by pious Muslims, as well as an array of portrayals produced by non-Muslim polemicists and admirers, alike. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* SAST 057a / RLIST 015a, Gods and Heroes in Indian Religions  Phyllis Granoff
The basic doctrines and practices of India’s three classical religions, Buddhism, Jainism, and Hinduism, explored through close reading of texts in translation. Lives of the founders, great monks, nuns, and lay followers of Buddhism and Jainism; myths of the major Hindu gods; heroines and goddesses in the three traditions. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* SCIE 030a and SCIE 031b, Current Topics in Science  Douglas Kankel
A series of modules in lecture and discussion format addressing scientific issues arising in current affairs. Topics are selected for their scientific interest and contemporary relevance, and may include global warming, human cloning, and the existence of extrasolar planets. Credit for SCIE 030 upon completion of SCIE 031; one course credit is awarded for successful completion of the year’s work. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. SC ½ Course cr per term

* SOCY 018b, The Sociological Imagination  Julia Adams
Introduction to the linked study of sociology and modernity. Topics include the dramatic rise of capitalism; colonialism and empire; the advent of democracy and bureaucracy; the world-historical invention of the individual; and the contested role of religion in modernity. Readings from classical and contemporary authors. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. SO

* SOCY 086a, China in the Age of Xi Jinping  Deborah Davis
An overview of the major social institutions in contemporary China, with a focus on the changing relationship between individual and society. Use of print and visual sources to explore the social consequences of China’s recent retreat from socialism and its rapid integration into the global economy. May count toward the Sociology major as an intermediate course. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. SO

* THST 097b, Anatomy in Motion  Bronwen MacArthur
The connection between advances in human anatomy and kinesiology – the science of human movement – and dance practices from the early 1900s to the present. Study of seminal texts and practical exercises that drove the research of Frederick M. Alexander, Mabel Elsworth Todd, Barbara Clark, and Lulu Sweigard and the application of their ideas in contemporary movement practices today. Topics include the synthesis of dance and science; the reeducation of alignment, posture and balance; the use of imagery; and the unification of mind and body. No prior dance experience required. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* THST 098a, Composing and Performing the One Person Play  Hal Brooks
First-year actors, playwrights, directors, and even students who have never considered taking a theater class, create their own work through a combination of reading, analysis, writing, and on-your-feet exercises. Students read texts and view performances that are generated by one actor in an attempt to discover the methodology that works best for their own creations. The course culminates with a midterm and final presentation created and performed by the student. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. HU

* THST 099a / FILM 045a, Dance on Film  Emily Coates
An examination of dance on film from c. 1920 to the present, including early Hollywood pictures, the rise of Bollywood, avant-garde films of the postwar period, translations of stage choreography to screen, music videos, and dance film festivals. The impact of industry, circulation and audience, aesthetic lineages, and craft in the union of the two mediums. Students develop an original short film for a final class project. No prior dance or filmmaking experience necessary. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. WR, HU

* WGSS 025b, History of Sexuality  Maria Trumpler
Exploration of scientific and medical writings on sexuality over the past century. Focus on the tension between nature and culture in shaping theories, the construction of heterosexuality and homosexuality, the role of scientific studies in moral discourse, and the rise of sexology as a scientific discipline. Enrollment limited to freshmen. Preregistration required; see under Freshman Seminar Program. WR, HU