



Brandeis University

Fall 2009 and Spring 2010
Course Recommendations from
Departments and Programs

The following information was compiled by academic departments and programs to give new students an introduction to their areas of study and offer recommendations for courses which are most appropriate for students to take in their first year. This background information will be helpful as you plan your course selections. Please refer to the *Bulletin* for complete course descriptions and prerequisite information.

First Year Seminars (FYS)

One of the best things about a Brandeis education is the opportunity students have throughout their studies for interactive, intellectual engagement with faculty in small classes. First year students who are enrolling in large introductory lecture courses in such fields as chemistry, economics, and psychology, and all others interested in experiencing a seminar environment, are strongly encouraged to enroll in an optional First Year Seminar (FYS) in their first or second semester at Brandeis. The seminar format offers a small, intimate setting in which the student becomes an active partner in dialogue, both with the professor and with other students. In an FYS you will get to know and learn from your classmates through discussions about topics that are of interest to you all, and will be taught by a professor who truly enjoys both teaching and getting to know first year students. You are likely to develop many connections that will last throughout your four years at Brandeis and beyond.

First Year Seminars (FYS) are one of the most intellectually satisfying opportunities available to you! Read the course descriptions below, choose an issue, question, or problem that interests you, and enroll in a seminar taught in either the fall or spring semester during the summer enrollment period. If you have questions about a given course, you should feel free to e-mail its professor directly.

Recommended Courses: Fall

On Slavery, Religion, and Women (FYS 3a) Slavery is the most extreme form of power that one human being can exercise over another. Religion aims to express humanity's highest ethical aspirations. How, then, does religion support slavery? Are enslaved women treated differently than enslaved men? Do slave-holding women exercise their power differently than slave-holding men? To answer these questions, female slave narratives, pro-slavery biblical interpretation, American slave religion, and biblical, early Christian, and early rabbinic statutes and teachings are examined. Ms. Brooten (Near Eastern and Judaic Studies)

Metamorphosis (FYS 8a) Examines how literature responds, internally and externally, to the challenge that change poses for the individual and society.

Metamorphosis, the transformation of one object into another, is the primary focus within each text studied, but considerable time is also spent in determining how each text relates to the others with which it shares characters, plots, and themes. As multiple versions of a few particular stories are read, only students with a tolerance for repetition and an appreciation for variation should consider enrolling. Ms. Walker (Classical Studies)

Hand and Brain (FYS 12b) The specialized developments of the human hand and the parallel developments of the brain, tool use, sign language, and language acquisition are discussed. The control of voluntary movements is a key focus. Includes laboratory demonstrations. Mr. Lackner (Psychology)

Understanding Evil and Human Destiny (FYS 18a) Designed to introduce students to some of the Western classics that deal with the impact of evil on human destiny. Suffering, justice, and death are studied in their relationship with God, the world, and history. Mr. Kimelman (Near Eastern and Judaic Studies)

Art and the Asian City: Tokyo, Shanghai, Hong Kong (FYS 20b) Studies the evolution of the urban environment in three modern Asian cities and its impact on the visual arts. Examines the city as the financial and cultural hub of the nation, as well as the site of clashing cultural identities, personal anxieties, and civic crises. Ms. Wong (Fine Arts)

The Artist Behind their Work (FYS 25a) *No previous painting or drawing experience required.* Students will gain a deeper appreciation for the artist's approach, style, and content through the execution/replication of a chosen artist's work, along with extensive research defining the artist's life, including the political, social, and economic effects that inspired his/her work. Mr. Moody (Theater Arts)

Crime and Punishment in History (FYS 32b) Examines how America and other Western political communities have defined, represented, and punished crime. Discusses diverse texts--speeches, court cases, memoirs, novels, and films--to develop a critical historical perspective on such concepts as evil, responsibility, and justice. Mr. Willrich (History)

Then and Now: Reimagining the Classics (FYS 33b) Participants read works from the Western canon that have so perplexed writers that some have rewritten the original text and produced a new work. Some characters simply haunt our imagination: Antigone, Dionysus, Faust, Hamlet. They defy authority or promise a dangerous liberation; they sell their soul to the devil or think so originally that they loosen our grip on reality. Students analyze the canonical text and then study the work as it has been reinterpreted at a later date in history. By listening to the dialogue that takes place across centuries, students will come to understand distinct cultural periods, including their own, more clearly. Ms. Ratner (Romance Studies)

A Haunted America: American Dreamers as Wanderers, Visionaries, Isolates (FYS 34a) In Langston Hughes' poem "Dream Deferred," the question is posed, "What happens to a dream deferred?" Examines what happens to the twentieth-century dreamer lured, often obsessed, and frequently tormented by the promise of the mythic American dream. The class will map an America haunted by various definitions of the dream, its displacement, its erosions, and its reinventions. Ms. Whelan (English and American Literature)

Drama and Social Issues (FYS 36b) What are the values and purposes of drama? What drama can tell us about violence and sexuality, about political relationships, and about ourselves is explored through plays by writers from Sophocles to Calderon to Dorfman. Ms. Fox (Romance Studies)

Trauma and Memory in the Literary Imagination (FYS 51a) Examines the work of writers who have borne witness to traumatic events from war and genocide to family violence and interracial conflict. In addition to first-person accounts that narrate extreme experience, readings include critical studies in the meaning of trauma and its representations. Studies the ways trauma is figured in Holocaust literature, memoirs about the family, a novel about the legacy of slavery, and in individually chosen texts. The study ends with a unit on witnessing today's traumas, from 9/11 to Hurricane Katrina, and the role of visual documents in the process of bearing witness to extreme experiences. Ms. Skorczewski (English and American Literature)

The Art of Living (FYS 68b) What do we want from life? How do consciousness and imagination help and hinder us along our journeys? This seminar examines literary and philosophical texts that challenge received ideas about how the mind and

life intertwine, such as Plato's Symposium, the Tao Te Ching, Dostoevsky's Notes from Underground, Nabokov's Lolita, and others. Mr. Powelstock (German, Russian, and Asian Languages and Literature)

Law and the Search for Authority (FYS 76a) Examines how societies seek to justify their basic legal rules. Readings are drawn from political, historical, and philosophical works that search for ultimate legal principles in written constitutions, totalitarian authority, custom and tradition, or the fallible capacities of human reason. Mr. Gaskins (American Studies)

Science in Art (FYS 83b) How do we know whether that painting or that sculpture is "genuine"? Usually, it's because we take the word of the museum or the art dealer. But many works of art are discredited every day as new methods are applied to determine the "fine structure" of a particular artifact. Art objects are looked at critically, from the point of view of the conservator, who has to determine a piece's value before it is bought or displayed. Ms. Ringe (Chemistry/Biochemistry)

Recommended Courses: Spring

Literacy and Development (FYS 4a) Studies various definitions and forms of literacy across cultures and eras as depicted in literature and social science texts. Students' personal literacy stories are part of the curriculum. Ms. Hale (Romance Studies)

Conceptions of the Good Life (FYS 5b) Explores competing conceptions of the "good life" and of moral right and how these conceptions vary within different cultural periods in history; also explores standards for what is good and for justifying claims that one way of life is better than another. Included are conceptions of the "good life" as pleasure (Epicurus), as virtuous activity (Aristotle), as renunciation, as reason (Kant), as utilitarianism (J. S. Mill), as self-assertion (Nietzsche), as faith (Kierkegaard), as aesthetics, and as spirituality. Ms. Hayim (Sociology)

Going to Hell: Journeys to the Underworld (FYS 9b) Why does the theme of a living being, either divine or human, going to visit the world of the dead occur in several cultures? This seminar explores connections to the meaning of life and justice within the specific cultures engendering each text. Ms. Walker (Classical Studies)

Coming of Age in Literature (FYS 13a)

What makes growing up such a compelling theme, even for adult readers? This seminar introduces students to several novels which feature characters who come of age. Authors include, Dickens, Salinger, Dangarembga, Diaz, and others. Ms. Anjaria (English and American Literature)

War and Revolution in the Middle East (FYS 22b)

Considers the impact of war and revolution in the shaping of the modern Middle East starting with the Arab-Israeli war of 1967. Focuses on the violent turning points that have changed the lives of millions of people. Mr. Makiya (Near Eastern and Judaic Studies)

The Howl of Simple Words: Reading Gender in Israeli Literature and Cinema (FYS 24b)

The poet Rachel Bluwstein describes her poetics as "the howl of simple words." With these words she exposes the normative expectation of women's writing at the beginning of the century, on the one hand, and the subversive potential that lies in women's creativity, on the other. This seminar explores this ongoing duality in Modern Hebrew literature and Israeli cinema. Ms. Szobel (Near Eastern and Judaic Studies)

Maps of Hidden Worlds: From the Cosmos to the Human Genome (FYS 26b)

Explores the science behind making maps of worlds that we cannot perceive with our senses. In particular, this seminar examines maps of the universe around us and maps of the cells within us. The approach is historical, covering the great discoveries that have culminated in the mapping of the cosmic microwave background radiation, and the sequencing of the human genome. Some of the questions considered are: How does one measure the distance to a galaxy far, far away? How do we know the age of the universe? What does it mean to sequence the human genome? Mr. Kondev (Physics)

How Science Is Really Done (FYS 62b) Science is seen by many as the "culture of our times," yet popular misconceptions about science abound. This course examines a variety of discoveries to learn how scientists actually go about their work and how ethical issues and competition affect discovery. The required readings explore ways in which science as a creative activity is linked to pursuits in the humanities. A genuine interest in science is required. Ms. Cohen (Biology)

Breaking the Rules: Deviance and Nonconformity in Premodern Europe (FYS 85b)

Explores the ways in which "deviant" behavior was defined and punished by some, but also justified and even celebrated by others in premodern Europe. Topics include vagrancy, popular uprisings, witchcraft, religious heresy, and the status of women. Mr. Sreenivasan (History)

University Writing Seminar (UWS)

UWS is a required course for graduation. The seminar focuses on strategies and techniques of college-level argument taught through the exploration of a subject. Course readings of 400–500 pages typically include books and articles as well as excerpts of longer works collected in source packets. In four papers of increasing complexity (thirty pages total), students learn to frame analytical questions, make original claims, structure complex ideas, integrate sources of various kinds, and revise for greater cogency and clarity. Each course assigns a close reading essay, a lens essay, a research-based argument, and a paper in another genre. Students prepare for each of the four major essays through short pre-draft assignments as well as drafts that the instructor comments on in writing and discusses with the student in individual conferences. Students examine their own writing in draft workshops and in small groups. The course also teaches the basic skills of research, from using the library to appropriate citation of sources.

For complete course descriptions, please see: www.brandeis.edu/writingprogram/students/fallcourses.html for fall and www.brandeis.edu/writingprogram/students/springcourses.html for spring courses.

Physical Education (PE)

The First-Year Experience: Spirit, Mind, and Body (PE 44a)

Students will develop and utilize their interpersonal skills through experiential and community engaged learning. They are exposed to core values including: citizenship, integrity, respect, civility, lifelong learning and embracing diversity. Topics covered in the course include: values clarification, health and safety, time and stress management, skills for academic success including approaching faculty.

While this course is only open to first year students, all other PE courses are open to all students.

African and Afro-American Studies

www.brandeis.edu/departments/afro_amer_studies

Course of Study: Major, Minor

Undergraduate Advising Head: Wellington Nyangoni

781-736-2091, email: nyangoni@brandeis.edu

African and Afro-American Studies (AAAS) presents students with opportunities to explore cultural expressions, economic issues, religious practices, social arrangements, intellectual developments, and political trends among Africans and people of African descent.

In the department's approach to the broad range of issues and experiences that comprise this field AAAS offer courses in the humanities and social sciences using the methods of several disciplines such as anthropology, cultural studies, economics, history, literature, politics, and sociology.

Recommended Courses: Fall

Introduction to African American Studies (AAAS 5a) An interdisciplinary introduction to major topics in African and Afro-American studies. Provides fundamental insights into Africa, the Caribbean, and the Americas through approaches and techniques of social science and the humanities.

Recommended Courses: Spring

Economics of Third World Hunger (AAAS 60a) Employs the tools of social science, particularly economics, to study causes and potential solutions to problems in production, trade, and consumption of food in the underdeveloped world.

Survey of South African History (AAAS 85a) Explores the roots of segregation and apartheid in South Africa, the development of a regional political economy dominated by South Africa, labor migrancy and land alienation in southern Africa, and the rise of African and Afrikaaner nationalisms.

American Studies

www.brandeis.edu/departments/amer_studies

Course of Study: Major

Undergraduate Advising Head: Jerry Cohen
781-736-3037, email: jcohenr@brandeis.edu

American Studies takes an interdisciplinary approach to the culture, society, politics, institutions, identities, thoughts, values, and behavior of Americans, including the critical issues that confront the United States domestically and internationally.

Using materials central to social and intellectual history – film, literature, culture, music, art and architecture, oral history – the major is designed to provide students with an educated awareness of the way the United States, viewed as a civilization, frames the lives, aspirations, and self-perceptions of its citizens.

Recommended Courses: Fall

Journalism in Twentieth-Century America (AMST 137B) Examines what journalists have done, how their enterprise has in fact conformed with their ideals, and what some of the consequences have been for the republic historically.

The Idea of Conspiracy in American Culture (AMST 170A) Considers the "paranoid style" in America's political and popular culture and in recent American literature. Topics include allegations of "conspiracy" in connection with the Sacco and Vanzetti, Hiss, and Rosenberg cases; anti-Semitism and anti-Catholicism; and Watergate and Irangate. Usually offered every second year.

True Crime and American Culture (AMST 177A) Explores a series of enduringly fascinating cases from the true crime files of American culture. The crime scene investigations range from 1692 Salem to 1994 Brentwood; the line-up includes witches, outlaws, kidnappers, gangsters, murderers, and serial killers; and the evidence is drawn from literature, film, and television. Usually offered every second year.

Recommended Courses: Spring

Foundations of American Civilization (AMST 10a) Interpretations of the meaning of the myths, symbols, values, heroes and rogues, character ideals, identities, masks, games, humor, languages, expressive repertoire, and ideologies that are exhibited in the social, political, economic, and cultural history of the United States.

Anthropology

www.brandeis.edu/departments/anthro

Course of Study: Major, Minor

Undergraduate Advising Head: Charles Golden
Ext: 781-736-2217, email: cgolden@brandeis.edu

Anthropology is the study of human diversity and similarities from the time of our earliest ancestors to the present. It combines scientific and humanistic perspectives. Anthropology provides a comparative perspective for a wide range of professional

including medicine, law, business, economics, arts, and a career in anthropology itself.

Exceptionally qualified students with clear professional career goals in anthropology may apply for admissions to a four-year bachelor's/master's degree program and earn two degrees simultaneously during their period of study at Brandeis.

Recommended Courses: Fall

Introduction to the Comparative Study of Human Societies (ANTH 1a) Examines the ways human beings construct their lives in a variety of societies. Includes the study of the concept of culture, kinship and social organization, political economy, gender and sexuality, religion and ritual, symbols and language, social inequalities and social change, and globalization.

Crossing Cultural Boundaries (ANTH 33b) An examination of situations where individuals, either actually or imaginatively, willingly or unwillingly, cross over the boundaries separating their own culture and other cultural traditions. The understandings and misunderstandings that result from these encounters are examined in primary texts and images and in scholarly reconstructions. Transient experiences are compared with sites that develop over a long period of time (colonial settlements, plantations, frontiers). Potentials for reflexive self-understanding and meaningful dialogue are sought in fictional and nonfictional representations of boundary crossings.

Anthropology of Development (ANTH 55a)
This course combines an examination of the historical development of "development" concepts and institutions with case studies of particular developmental projects in the United States and abroad. Throughout the course, we will sustain a dynamic interplay between development theory and practice.

Archaeological Analysis (ANTH 60b)
Introduces techniques applied in the analysis of archaeological remains. Topics include cataloging, classification and taxonomy, conjoining and reconstruction of objects, electronic databases, quantitative and qualitative analysis, statistical techniques, spatial analysis, archaeological illustration, reporting, and exhibition of archaeological materials.

Recommended Courses: Spring

Introduction to the Comparative Study of Human Societies (ANTH 1a) Examines the ways human beings construct their lives in a variety of societies. Includes the study of the concept of culture, kinship and social organization, political economy, gender and sexuality, religion and ritual, symbols and language, social inequalities and social change, and globalization.

Human Origins (ANTH 5a) Studies major transformations of humanity from early hominids to civilizations. Fossils and archaeological evidence serve to highlight the origins of bipedalism and language, the shift from foraging to agricultural economies, and the inception of urban life and large-scale political centralization.

Arabic Language and Literature Program

www.brandeis.edu/departments/nejs
Undergraduate Advising Head: Vardit Ringvald
781-736-2979, email: ringvald@brandeis.edu
See Near Eastern and Judaic Studies

The Arabic program, of the Near East and Judaic Studies Department, offers instruction in modern standard Arabic at the elementary, intermediate, and advanced level. Modern Arabic literature, aspects, and features of Arabic culture and intellectual history, as well as the features of Arabic dialectal form are introduced at the various stages of studying the language.

Recommended Courses:

Beginning Literary Arabic (ARBC 10a) A beginning course in literary Arabic, covering essentials of grammar, reading, pronunciation, translation, and composition.

Biochemistry

www.bio.brandeis.edu/biochem01/ug_biochem.html
Course of Study: Major
Undergraduate Advising Head: Daniel Oprian
781-736-2322, email: oprian@brandeis.edu

The biochemistry major is designed to equip students with a broad understanding of the chemical and molecular events involved in biological processes. The biochemistry major provides a fundamental training for careers in biomedical research, medicine, biotechnology, and related fields.

During the first year, students usually take one year of general chemistry (**CHEM 11 with corresponding lab CHEM 18 or honors chemistry CHEM 15 with corresponding lab CHEM 19**) and one year of mathematics **Techniques of Calculus (MATH 10)**. Students with advanced placement in sciences (chemistry, biology, and physics) or mathematics should discuss their programs with the undergraduate advising head.

First year students considering the biochemistry major should note that many of the required science courses are dependent on prerequisites. Therefore, students should familiarize themselves with the biochemistry major requirements and plan their program of courses carefully. The undergraduate advising head can provide advice if students have questions or concerns.

Biological Physics

www.brandeis.edu/programs/biophysics

Course of Study: Major

Undergraduate Advising Head: Robert Meyer

781-736-2870, email: meyer@brandeis.edu

Students majoring in biological physics go on to graduate school in biophysics, physics, or structural biology, to pursue structures and functions, mainly at the molecular level. They may also seek employment in the biotechnology industry, or enter related engineering fields.

Students considering majoring in biological physics should talk with the chair of the biological physics program as soon as possible to plan their course schedule. This is a demanding program leading to a BS degree, so course planning is very important.

Recommended Courses:

Students normally start with **Introductory Physics I (PHYS 11a or the honors version PHYS 15a)** and the accompanying lab, **PHYS 19a**, in the first semester, along with math at the appropriate level, and the **Seminar in Biological Physics (BIPH 11a)**.

Advanced placement in physics, mathematics, or chemistry will affect course selection. Students with advanced placement in physics may enroll in **Modern Physics (PHYS 20a)**, which meets at the same time as **PHYS 15a**, so changing a student's section early in the term is easy.

Biology

www.bio.brandeis.edu

Course of Study: Major

Undergraduate Advising Head: Joan Press

781-736-2450, email: press@brandeis.edu

The biology department offers a stimulating and challenging curriculum leading to three undergraduate degrees (BA, BS, or BS/MS), as well as the opportunity to become involved in cutting-edge research. Students eager to become involved in research may seek placement in research labs as early as in their first year. Further information about student research can be found at

www.bio.brandeis.edu/ug/authors.html

Many of the faculty in the biology department also participate in the neuroscience major, and some students majoring in biology also major in neuroscience or biochemistry. There are also options to combine a biology major with one in Health, Science, Society and Policy.

Recommended Courses:

Most students interested in biology take general chemistry and lab (see "Chemistry" section for recommended courses) in their first year (both semesters). They then take the biology core courses, **Cell Structure and Function (BIOL 22b)** and **Genetics and Molecular Biology (BIOL 22a)**, plus labs, in their second year. However, students can also elect to start the biology sequence in the spring of their first year, taking either **(BIOL 15b)** or **(BIOL 22a)** depending on their biology background.

Business

www.brandeis.edu/global/business_minor.php

Course of Study: Minor

Undergraduate Advising Head: Edward Bayone

781-736-4874, email: ebayone@brandeis.edu

The study of business typically combines concepts and approaches from economics, sociology, history, politics, and other social sciences; as such, it is ideal for students who wish to develop a multi-disciplinary perspective on current issues in the world of business. The minor also provides a foundation for future professional training in business, whether in business schools or on the job.

The business minor is offered by the International Business School in conjunction with the College of Arts and Sciences. Students in the business minor study the context and workings of business while still pursuing their majors in other disciplines.

Recommended Courses: Fall

Introduction to Economics (ECON 2a) A prerequisite for most business courses. A one-semester introduction to economic analysis with policy applications. The economist's approach to social analysis is systematically elaborated.

Recommended Courses: Spring

ECON 2a is also offered in the spring. The following spring courses have ECON 2a as a prerequisite:

The Global Economy (ECON 8b) Applies the basic tools and models of economic analysis to a wide range of topics in micro-, macro-, and international economics.

Chemistry

www.chem.brandeis.edu

Course of Study: Major, Minor

Undergraduate Advising Head: Bruce Foxman

781-736-2500, email: foxman1@brandeis.edu

Chemistry focuses on how atoms of just a few dozen types combine to form countless molecules, and how these molecules interact with each other to form materials we encounter in our everyday lives. Chemistry is therefore called "the central science," the material realization of principles of physics, and a foundation of the life sciences.

General chemistry is the required first course in the chemistry, biology, biochemistry, and neuroscience majors. It is also required of pre-medical, pre-dental, and pre-veterinary students, so that most first year students with these academic and/or professional interests enroll in this introductory course. We offer introductory chemistry for two levels of preparation: **General Chemistry (CHEM 11a with corresponding lab CHEM 18a) and Honors Chemistry (CHEM 15a with corresponding lab CHEM 19a)**. Students must register for both lecture and lab.

For detailed placement information, especially helpful for students who took the AP chemistry exam, please refer to www.brandeis.edu/registrar/newstudent which includes the possibility of advanced placement into **Organic Chemistry (CHEM 25a with corresponding lab CHEM 29a)**. Students must register for both lecture and lab.

Please note that chemistry lab sections have limited enrollment and that care must be taken to avoid conflicts between labs and other courses.

Recommended Courses: Fall

General Chemistry (CHEM 11a) A basic course in chemical principles, with examples drawn from the chemistry of living systems as well as from environmental chemistry and materials science. Topics covered include stoichiometry, gases, thermochemistry, solutions, states of matter, atomic structure and periodicity, chemical bonding and molecular structure. Three class hours and one ninety-minute recitation per week. In addition, a program of peer-led supplementary instruction is available for students seeking extra help. The corresponding lab is CHEM 18a – register separately for this course.

Some undergraduates take **Honors General Chemistry I (CHEM 15a)** with the corresponding lab CHEM 19a – register separately for this course. Three class hours and one recitation per week. An advanced version of general chemistry for students with good preparation in math and chemistry in high school. Topics include chemical reactions and stoichiometry, gases, chemical thermodynamics, chemical kinetics, and an introduction to chemical equilibrium. Real world examples are used to demonstrate the concepts. For detailed placement information please refer to www.brandeis.edu/registrar/newstudent.

Recommended Courses: Spring

General Chemistry II (CHEM 11b) *Prerequisite: A satisfactory grade (C- or better) in CHEM 11a or the equivalent.* A basic course in chemical principles, with examples drawn from the chemistry of living systems as well as from environmental chemistry and materials science. Topics covered include chemical equilibrium, acid-base chemistry, kinetics, thermodynamics, electrochemistry, radioactivity and nuclear chemistry, and coordination chemistry. Three class hours and one ninety-minute recitation per week. In addition, a program of peer-led supplementary instruction is available for students seeking extra help. The corresponding lab is CHEM 18b – register separately for this course.

Honors General Chemistry II (CHEM 15b) with the corresponding lab CHEM 19b – register separately for this course. *Prerequisite: a satisfactory grade (C- or better) in CHEM 15a or the equivalent.* A continuation of CHEM 15a. Three class hours and one recitation per week. Topics include chemical equilibria, including acid-base and solubility equilibria, electrochemistry, chemical bonding from a classical and quantum mechanical perspective, introduction to spectroscopy, and coordination chemistry. Real

world examples are used to demonstrate the concepts.

Chinese

See German, Russian and Asian Languages and Literature

Classical Studies Department

www.brandeis.edu/departments/classics

Course of Study: Major, Minor

Undergraduate Advising Head: Cheryl Walker

781-736-2190, email: cwalker@brandeis.edu

The Department of Classical Studies offers courses in the languages, literatures, histories, art, and archaeology of Ancient Greece and Ancient Rome. A major in classical studies affords students the opportunity to learn about two classical civilizations that had a major impact on the cultures of the western world.

The requirements for the major are designed to be flexible, giving students the ability to plan their program around a particular interest—for example, history, literature, language, or art.

The Latin placement exam is available to download from the Registrar's website:

www.brandeis.edu/registrar/newstudent/testing.html.

Click Latin to see the exam.

Recommended Courses: Fall

Beginning Latin (LAT 10a) Provides an introduction to Latin language and an overview of Roman culture.

The Art and Archaeology of Ancient Greece (CLAS 133A) Surveys the main forms and styles of Greek art and architecture from the Bronze Age through the Hellenistic period in mainland Greece and on the islands of the Aegean. Archaeological remains and ancient literary evidence help explore the relationships between culture, the visual arts, and society.

Topics in Greek and Roman Art and Archaeology: Women, Gender, and Sexuality in Greek and Roman Text and Art (CLAS 145B) Explores literary and artistic representations of women, gender, and sexuality from cross-cultural perspectives, with emphasis on religious, social, and political realities in ancient Greece and Rome.

Greek Epic and Athenian Drama (CLAS 171A)

Examines Greek epic poetry and the tragic and comic drama produced in the city-state of Athens

(Aeschylus, Sophocles, Euripides, and Aristophanes). The intention is to convey the place of these works in the social, political, religious, and intellectual life of ancient Greece as well as their enduring universality.

Metamorphosis (FYS 8A) Considers how literature responds to the challenge that change poses for the individual and society. Metamorphosis, the transformation of one object into another, is the primary focus within each text studied, but considerable time is also spent in determining how each text relates to the others with which it shares characters, plots, and themes.

Recommended Courses: Spring

Beginning Ancient Greek (GRK 10a) Introduces the basics of Ancient Greek language and culture.

Topics in Greek and Roman History: Age of Pericles (CLAS 115B) Looks intensely at Athens in the fifth century BCE through literary and historical texts that consider the city's remarkable artistic accomplishments, its devastating wars, and its political struggles.

Continuing Latin (LAT 20A) Reinforces the fundamentals of Latin grammar through additional readings in some of Rome's greatest authors: Caesar, Livy, Vergil, and Catullus.

Going to Hell: Journeys to the Underworld (FYS 9B) Analyzes the meaning of life and justice through the texts of several cultures that investigate the theme of a divine being or of a human going to visit the world of the dead.

Comparative Literature

www.brandeis.edu/programs/coml/index.html

Course of Study: Major, Minor

Undergraduate Advising Head: Steve Dowden

781-736-3200, email: dowden@brandeis.edu

Discover the joy of beauty in your intellectual life. Learn what it really means to be 'cultured.' Realize your power to define your own cultural identity, rather than let others do it for you. Find out why the social sciences are just now discovering what we already know: you can learn the most about both individuals and societies through their cultural products of expression. We welcome students of all majors and levels to enroll in our courses; try one and we know you'll be back for more.

Recommended Courses: Fall

Madness and Folly in Renaissance Literature (COML 103b) A study of the theme of madness and folly as exemplified by the major writers of the Renaissance, including Erasmus, Rabelais, Montaigne, Boccaccio, Ariosto, Shakespeare, Petrarch, and Cervantes. Usually offered every second year.

Fictions of Liberty: Europe in a Revolutionary Age (COML 115b) The "Age of Enlightenment" fostered new notions of human rights that found their tumultuous proving ground in the French Revolution. Through writings from several genres and nations, this course explores some of the political, economic, religious, racial, and sexual "fictions of liberty" that have shaped our own time. Usually offered every second year.

Mediums and Messages (COML 163a) How do human beings and human bodies participate in expressive communication technology, digital or otherwise? This course looks at examples of technological mediation in history, literature, art, science, and pseudo-science. Readings include works by Pynchon, Plato, Poe, Butler, Borges, Tiptree, Bioy-Casares, Kafka, and Villiers de L'Isle-Adam. Special one-time offering, fall 2009.

Recommended Courses: Spring

Comparing Literatures: Theory and Practice (COML 100a) What is common and what is different in literatures of different cultures and times? How do literary ideas move from one culture to another? In this course students read theoretical texts, as well as literary works from around the world.

Computer Science

www.cs.brandeis.edu

Course of Study: Major, Minor

Undergraduate Advising Head: Timothy Hickey
781-736-2700, email: tim@cs.brandeis.edu

The Department of Computer Science teaches students the theoretical fundamentals and practical aspects of computing— to prepare students for innovative jobs in the computer field.

Computer science majors have 24-hour access to department computing facilities. Students can also do research with a faculty member as part of independent study or an honors project. Faculty research interests include artificial intelligence, parallel computing, information theory and data compression, computer networks and systems,

databases, human centered computing, machine learning, and robotics.

Recommended Courses:

Programming in Java and C (COSI 11a) The first course for majors and minors, but students with substantial programming experience can skip this course and take COSI 21b instead.

Data Structures and the Fundamentals of Computing (COSI 21a/ COSI 22A) An introduction to the fundamental concepts of computation: discrete structures (sets, relations, functions, sequences, graphs), the fundamental data structures and algorithms for sorting and searching (lists, queues, dequeues, heaps, hashing, binary trees, tries), and the analysis of algorithms (predicate logic, termination and correctness proofs, computational complexity). The associated laboratory course is COSI 22a.

Structure and Interpretation of Computer Programs (COSI 21b) and its lab (**COSI 22b**) cover the fundamental models of computation from imperative programming through functional and logic programming.

Discrete Structures (COSI 29a) Covers topics in discrete mathematics with applications within computer science. Some of the topics to be covered include graphs and matrices; principles of logic and induction; number theory; counting, summation, and recurrence relations; discrete probability.

Introduction to 3-D Animation (COSI 65a) Covers the fundamental concepts of 3-D animation and teaches both the theory underlying 3-D animation as well as the skills needed to create 3-D movies. Students demonstrate their understanding of the concepts by creating several short animated movies. Usually offered every third year.

Creative Writing

www.brandeis.edu/departments/english

Course of Study: Major, Minor

Undergraduate Advising Head: Stephen McCauley (fall) and Olga Broumas (spring)
781-736-2157, email: chaucer@brandeis.edu

The creative writing program is structured to allow flexible participation in its activities by a diverse body of students whose interest or commitment may vary in nature or over time.

Participation can be as informal as attending readings and other public events, to submitting

work for the literary magazines or attending a festival or a poetry slam, to meeting with a poet or writer in residence, to taking a workshop or literature course offered by our faculty.

The creative writing program offers up to nine workshops annually and interested undergraduates are invited to submit samples of their work. Eligibility extends to freshmen, who may send in their writing samples in August, immediately prior to the fall semester. All submissions will be carefully screened by our distinguished roster of authors, and no more than twelve individuals will be admitted to each workshop. Students should inquire at the English department, in person or by email for application guidelines for each course.

East Asian Studies Program

www.brandeis.edu/eastasia/
Courses of Study: Major, Minor
Undergraduate Advising Head: Aida Yuen Wong
781-736-2670, email: aida@brandeis.edu

Interested in learning more about the East Asian civilization? East Asian studies is an interdisciplinary program that provides students with a deeper understanding of both current and historic East Asia while exploring history, politics, economics, arts, and languages.

Recommended Courses: Fall

Beginning Chinese I (CHIN 10A) Mandarin is taught in this intensive course, intended for students with no previous knowledge of Chinese. Class meets four days per week plus one section of individual conversation. It offers training in basic Chinese grammar, speaking, aural comprehension, reading and writing (both pinyin input with computer and hand-writing). Usually offered every fall.

Beginning Japanese (JAP 10A) Intended for students with little or no previous knowledge of Japanese. This course offers intensive training in the basics of Japanese grammar, listening comprehension, speaking, reading, and writing. Students acquire Japanese language proficiency through various interactive classroom activities, workbook, audio, video and computer-assisted exercises.

Introduction to East Asian Civilization (HIST 80A)

A selective introduction to the development of forms of thought, social and political institutions, and distinctive cultural contributions of China and Japan from early times to the beginning of the nineteenth century.

Recommended Courses: Spring

Continuing Chinese I (CHIN 20B) *Prerequisite: CHIN 10a.* Continuation of CHIN 10a. Usually offered every spring.

Continuing Japanese (JAP 20B) *Prerequisite: JAPN 10a or the equivalent.* Meets five days per week for a total of five class hours per week. Continuation of JAPN 10a. Usually offered every spring.

See the *Bulletin* for degree requirements and a complete listing of courses cross-listed with the East Asian Studies Program.

Economics

www.brandeis.edu/departments/economics
Course of Study: Major, Minor
Undergraduate Advising Head: Scott Redenius
781-736-2237, email: redenius@brandeis.edu

Economics is the social science that studies the roles of prices, markets, institutions, technology, and government policies in determining patterns of human behavior and economic activity, including production and employment, growth, living standards, and the distribution of income in modern economies. Students are drawn to the subject by several distinct aspects of the field: its rigorous, quantitative methods, its relationship to the business sector; and its numerous applications to controversial issues of public policy such as the environment, health care, taxation, regulation of financial markets, and international trade.

Students interested in becoming Economics majors who have not taken calculus may want to register for MATH 10A, a pre-requisite for the intermediate skills courses in Economics.

Recommended Courses: Fall

Introduction to Economics (ECON 2a) A one-semester introduction to economic analysis with policy applications. The economist's approach to social analysis is systematically elaborated.

Recommended Courses: Spring

ECON 2a is also offered in the spring. Students who took ECON 2a in the fall may take:

The Global Economy (ECON 8b) Applies the basic tools and models of economic analysis to a wide range of topics in micro, macro, and international economics.

Environmental Economics (ECON 57a)

Investigates the theoretical and policy problems posed by the use of renewable and nonrenewable resources. Theoretical topics include the optimal pricing of resources, the optimal use of standards and taxes to correct pollution problems under uncertainty, and the measuring of costs and benefits.

Education

www.brandeis.edu/programs/education
Course of Study: Major, Minor
Undergraduate Advising Head: Marya Levenson
781-736-2001, email: mlevenso@brandeis.edu

The education studies major is designed for students interested in the social, historical, and cultural contexts of education and the role of education in shaping policy, practice, learning, and identity. This major encourages students to think critically about such questions as: How do various political, economic, historical, psychological, and social forces shape education and public expectations for school? What does school teach us about society? How do K-12 schooling and higher education shape individual and communal identities and life opportunities? How can we better understand and guide learning in and out of school? What kinds of learning, schools, and teachers do young people need and deserve? The education studies major requires that students successfully complete nine courses, including ED155b, one other core course, and, in the senior year, ED165a, the capstone research course.

The teacher education minor provides preparation for teaching in preschool, elementary, and secondary schools. Minors who successfully complete the Brandeis teacher education program and pass the required Massachusetts teaching tests will earn an initial teaching license. More than forty states are part of the Interstate Compact which recognizes this license. Students who wish to teach should consider their choice of major with care and are urged to consult with an education program faculty advisor early in their Brandeis career. Students who wish to teach at the elementary level will ultimately need to demonstrate satisfactory knowledge of all subject areas that are at the foundation of the elementary school curriculum. Those who wish to teach at the secondary level should major in the discipline they intend to teach.

The education studies minor is designed for students interested in education policy, research, and history. The minor's interdisciplinary approach will enable students to examine the impact of political, historical, psychological, economic and

social forces that shape education and public expectations for schools.

Recommended Courses: Fall

For all students interested in education:

Reading, Writing, and Teaching across Cultures

(COML 165a) Contemporary literary representations of literacy, schooling, and language from a cross-cultural perspective. Students also analyze their own educational trajectories and experiences with writing and reading.

For students interested in elementary student teaching:

Exploring Teaching (Elementary and Preschool)

ED 100a Examines the relationship of teaching and learning, the purposes of elementary schooling, and the knowledge requirements for elementary and preschool teaching. Through readings, analysis of videotapes, and guided observations, students investigate classroom culture, student thinking, and curriculum standards.

Precalculus Mathematics (MATH 5a)

Brief review of algebra followed by the study of functions. Emphasis on exponential, logarithmic, and trigonometric functions. The course's goal is to prepare students for MATH 10a. The decision to take this course should be guided by the results of the mathematics placement exam.

Introduction to Economics (ECON 2a)

A one-semester introduction to economic analysis with policy applications. The economist's approach to social analysis is systematically elaborated.

For students interested in elementary or secondary student teaching:

Introduction to Psychology (PSYC 1a)

May be taken pass/fail. A survey of contemporary psychology. Topics include brain and behavior, perception, memory, learning, cognitive processes, plasticity, intelligence, child and adult development, personality, social behavior, and the relationship between normal and abnormal behavior.

Recommended Courses: Spring

For all students interested in education:

Introduction to Economics (ECON 2a)

A one-semester introduction to economic analysis with policy applications. The economist's approach to social analysis is systematically elaborated.

Sociology of Education (SOC 104a)

Examines the role of education in society, including pedagogy, school systems, teacher organizations, parental involvement, community contexts, as well as issues of class, race, and gender.

For students interested in elementary student teaching:

Precalculus Mathematics (MATH 5a) Brief review of algebra followed by the study of functions. Emphasis on exponential, logarithmic, and trigonometric functions. The course's goal is to prepare students for MATH 10a. The decision to take this course should be guided by the results of the mathematics placement exam.

For students interested in elementary or secondary student teaching:

Introduction to Psychology (PSYC 1a) *May be taken pass/fail.* A survey of contemporary psychology. Topics include brain and behavior, perception, memory, learning, cognitive processes, plasticity, intelligence, child and adult development, personality, social behavior, and the relationship between normal and abnormal behavior.

English and American Literature

www.brandeis.edu/departments/english
Course of Study: Major, Minor
Undergraduate Advising Head: John Plotz
781-736-2130. email: plotz@brandeis.edu

The English major will train students to analyze literary texts while introducing them to various forms of literature.

The English and American Literature department does not have formal prerequisites for departmental offerings. All majors are required to take ENG 1a, Introduction to Literary Studies. The department does not recommend 100-level courses to new first year students – however, the following courses are recommended for first year students.

Recommended Courses: Fall

Introduction to Literary Studies (ENG 1a) This course is designed to introduce students to basic skills and concepts needed for the study of Anglophone literature and culture. These include skills in close reading; identification and differentiation of major literary styles and periods; knowledge of basic critical terms; definition of genres.

Introduction to Literary Method (ENG 11a) The course's purpose is to train students in the critical reading of literary texts. There will be frequent assignments of writing that involve literary analysis.

Filmi Fictions: From Page to Screen in India (ENG 22a) An introduction to filmic adaptations of Indian novels from Bollywood, Indian art cinema, and Hollywood. Readings include novels as well as theoretical approaches to adaptation. Films include *Slumdog Millionaire*, *Pathar Panchali*, *Devdas*, *Guide*, *Umrao Jaan*, and others.

Classic Hollywood Cinema (ENG 27b) A critical examination of the history of mainstream U.S. cinema from the 1930s to the present. Focuses on major developments in film content and form, the rise and fall of the studio and star system, the changing nature of spectatorship, and the social context of film production and reception.

Nature Writing (ENG 28a) Explores literary responses to the natural environment from Thoreau to the present. Several genres of creative nonfiction will be discussed, such as memoir, manifesto, science writing, natural history, exploration narratives, and disaster stories.

America's First Bestsellers (ENG 36a) The first century of American bestsellers, what made these books so attractive to readers at the time? Explores themes of social mobility, racial and gender conflict, romance and seduction, and warfare. Authors include Cooper, Stowe, Alcott, and Crane.

Race, Region, and Religion in the Twentieth-Century South (ENG 38b) Twentieth century fiction of the American South. Racial conflict, regional identity, religion, and modernization in fiction from both sides of the racial divide and from both sides of the gender line. Texts by Chestnutt, Faulkner, Warren, O'Connor, Gaines, McCarthy, and Ellison.

American Independent Film (ENG 50b) Explores non-studio filmmaking in the United States. Defines an indie aesthetic and alternative methods of financing, producing, and distributing films. Special attention given to adaptations of major film genres, such as noir thrillers, domestic comedy, and horror.

Writing the Nation: James Baldwin, Philip Roth, Toni Morrison (ENG 57b) An in-depth study of three major American authors of the twentieth century. Highlights the contributions of each author to the American literary canon and to its diversity. Explores how these novelists narrate cross-racial,

cross-gendered, cross-regional, and cross-cultural contact and conflict in the United States.

Women and Political Power in the Nineteenth-Century American Fiction (ENG 66a) Investigates a range of novels that demonstrate how fiction participated in cultural debates about women and political power in the nineteenth century. Course emphasizes women in reform movements and fiction as political.

Contemporary British Literature (ENG 88b) British fiction, poetry, drama, and film since WWII that tackles the changing politics of empire, sexuality, and social class, especially. A close look at the weird pleasure of British humor, includes Jean Rhys, Philip Larkin, Martin Amis, Angela Carter, Harold Pinter, and Monty Python's Flying Circus.

A Haunted America: American Dreamers as Wanderers, Visionaries, Isolates (FYS 34a) In Langston Hughes' poem "Dream Deferred," the question is posed, "What happens to a dream deferred?" Examines what happens to the twentieth-century dreamer lured, often obsessed, and frequently tormented by the promise of the mythic American dream. The class will map an America haunted by various definitions of the dream, its displacement, its erosions, and its reinventions.

Trauma and Memory in the Literary Imagination (FYS 51a) Examines the work of writers who have borne witness to traumatic events from war and genocide to family violence and interracial conflict. In addition to first-person accounts that narrate extreme experience, readings include critical studies in the meaning of trauma and its representations. Studies the ways trauma is figured in Holocaust literature, memoirs about the family, a novel about the legacy of slavery, and in individually chosen texts. The study ends with a unit on witnessing today's traumas, from 9/11 to Hurricane Katrina, and the role of visual documents in the process of bearing witness to extreme experiences.

Recommended Courses: Spring

Coming of Age in Literature (FYS 13a) What makes growing up such a compelling theme, even for adult readers? This seminar introduces students to several novels which feature characters who come of age. Authors include, Dickens, Salinger, Dangarembga, Diaz, and others.

Introduction to Literary Studies (ENG 1a) This course is designed to introduce students to basic skills and concepts needed for the study of

Anglophone literature and culture. These include skills in close reading; identification and differentiation of major literary styles and periods; knowledge of basic critical terms; definition of genres.

Remembering and Dismembering: Staging the Body in Early Modern England (ENG 23a) Seventeenth-century London performance investigated through the domains of its production--the court, the city, and the emerging "town," center of a new leisure class. Drama, masques, and music drama studied as modes of representation negotiating class mobility, changing concepts of state authority and personal identity, and shifts in gender and sexual relations.

Shakespeare (ENG 33a) A survey of Shakespeare as a dramatist. From nine to twelve plays will be read, representing all periods of Shakespeare's dramatic career.

The Birth of the Short Story: Gods, Ghosts, Lunatics (ENG 40b) How old is the short story? It may go back to the Stone Age, Aesop's fables, or medieval saints' lives, but some credit Edgar Allan Poe and the Scottish shepherd James Hogg. This class takes an in-depth look at three key centers of the genre: Edinburgh, New York, and Moscow. Authors include Melville, Hawthorne, Dickens, Gogol, and Chekov.

The Global Humor Novel (ENG 70b) Examines the distinct styles and functions of humor in novels from around the globe, with a primary emphasis on novels written after 1990. Focuses especially on novels that explore the comic transgression of cultural and national boundaries.

The Western Canon (HUM 10a) Foundational texts of the Western canon: the Bible, Homer, Vergil, and Dante. Thematic emphases and supplementary texts vary from year to year.

Environmental Studies Program

www.brandeis.edu/departments/environmental/

Course of Study: Major, Minor

Undergraduate Advising Head: Laura Goldin

781-736-3075, email: goldin@brandeis.edu

The environmental studies program equips students to address the profound challenges facing our global environment. It combines the academic excellence and rigor of Brandeis coursework, faculty, and teaching across the disciplines of the natural and social sciences, with a novel, carefully designed hands-on component.

The program offers individually tailored internships to students in an extensive network of government, public interest, and industry related jobs in the Boston area and beyond, working alongside environmental professionals in the field. Students also learn research, report-writing, oral communication, mapping, website development and problem-solving skills that prepare them for their later work and studies – whether or not they pursue a career in an environmental field.

The range of course options for environmental studies is greatly expanded by a number of Brandeis' institutional affiliations.

Recommended Courses: Fall

Solving Environmental Challenges: The Role of Chemistry (CHSC 3b) Provides a basic understanding of the chemistry of natural environmental cycles, and how these cycles are adversely affected by society. Student teams develop case studies on "hot topics" such as mercury, brominated flame retardants, MBTE, perchlorate, dioxin, and others. Usually offered every second year.

Recommended Courses: Spring

Environmental Issues (AMST 20a) An interdisciplinary overview of major environmental challenges facing humanity, including population growth; food production; limited supplies of energy, water, and other resources; climate change; loss of biodiversity; and waste disposal and pollution. Students examine these problems critically and evaluate different ways of thinking about their causes and solutions.

European Cultural Studies

www.brandeis.edu/departments/ecs

Course of Study: Major

Undergraduate Advising Head: Steve Dowden
781-736-3200, email: dowden@brandeis.edu

Feeling intellectually adventurous? European Cultural Studies (ECS) is for students who want to explore the interrelationships of literature with the fine arts, history, music, philosophy, and politics.

Many ECS students study abroad to experience the cultures they are interested in first hand. ECS majors have gone on to graduate school, law school, business school, and advanced programs in international studies.

Recommended Courses: Fall

European Cultural Studies Proseminar:

Modernism (ECS 100a) Explores the interrelationship of literature, music, painting, philosophy, and other arts in the era of high modernism. Works by Artaud, Baudelaire, Benjamin, Mann, Mahler, Schoenberg, Stravinsky, Kandinsky, Schiele, Beckett, Brecht, Adorno, Sartre, Heidegger, and others.

Recommended Courses: Spring

The Making of European Modernity (ECS 100b)

Investigates how the paradigm of what we know as modernity came into being. We will look at the works of writers and philosophers such as Descartes, Aquinas, Dante, Ockham and Petrarch. Artwork from the Middle Ages and the Renaissance will be used to understand better what 'the modern' means.

Film and Visual Media Studies

www.brandeis.edu/departments/film_studies

Course of Study: Major, Minor

Undergraduate Advising Head: Alice Kelikian
781-736-2276, email: kelikian@brandeis.edu

Gain insight into motion picture media through a major or minor in film studies. This curriculum provides students with knowledge about the dominant medium of our age – the moving image. Students develop an informed background in motion picture history, cinematic style, and a critical appreciation of the cultural meanings of film. The minor in film studies complements a range of disciplines including American studies, English, history, politics, sociology, fine arts, theater arts, and German, Russian, Asian languages and literature.

Recommended Courses: Spring

Introduction to the Moving Image (FILM 100a)

is the required core course, surveying the history of moving image media from the earliest silent cinema to the current age of high-definition TV.

Fine Arts

www.brandeis.edu/departments/fine_arts

Course of Study: Major, Minor

Undergraduate Advising Heads:

2008-2009 Undergraduate Advising Heads:

Art History: Aida Yuen Wong

781-736-2670, email: aida@brandeis.edu

Studio Art: Joe Wardwell

781-736-2331, email: wardwell@brandeis.edu

The Fine Arts Department offers students a program in both art history and studio art. Art history offers a wide array of topics— including broad surveys on the art of a particular country or time period as well as small seminars focusing on individual artists. Studio art courses are taught in the dramatic north-lit studios of Goldman-Schwartz.

For the aspiring artist, the department offers the better of two worlds: an intensive, well structured curriculum in visual art within the context of a liberal arts education. The following courses are appropriate starting points for majors as well as motivated students eager for their first exposure to studio art.

Recommended Courses: Fall for Art History

History of Asian Art (FA 12A) A selective survey of the art and the three major Asian areas: India, China, and Japan.

History of Art I: From Antiquity to the Middle Ages (FA 17a) An introduction to art and architecture in Europe and the near East before 1400 from pyramids to Gothic cathedrals.

Recommended Courses: Spring for Art History

History of Art II: From the Renaissance to the Modern Age (FA 18b) A good introduction to art history, is a survey of western art, focusing on European and American art from the Renaissance in Italy to Picasso and the invention of Cubism in the 20th century.

Islamic Art and Architecture (FA39) Introduces arts of the Islamic lands from seventh-century Syria to sixteenth-century Turkey, Iran, and India. Provides an overview of major themes and regional variations, and their socio-historical context.

Recommended Courses: Fall for Studio Art

Basic Visual Concepts in Painting (FA 1a) An exploration of two-dimensional visual concepts using oil paint. A semester long course, intended for the beginner; students explore concepts of color, composition, drawing, and expression. Observations from still lifes, models, and landscapes are translated into traditional and contemporary ideas as students learn the basic techniques of oil painting.

Introduction to Drawing (FA 3a) A beginning-level course with no previous drawing experience necessary. Students draw from direct observation of still-life, landscape and the human figure. Drawing

media may include graphite, charcoals, ink and collage as well as watercolor and pastel. The drawings of great artists throughout history are studies to provide examples of what is possible within this broad and expressive visual language.

Three Dimensional Design (FA 4a) The exploration of three-dimensional aspects of form, space, and composition utilizing a variety of materials and sculptural techniques. The intent of this course is to give students a rich studio experience and promote a fresh and meaningful approach to visual concepts.

Beginning Painting (FA 107a,b) Two parts of a yearlong experience, intended to be entered in the fall, and continued in the spring. The six-hour per week studio class is recommended for freshman and sophomore Art Majors or other students desiring an in-depth painting course. Color theory and various methods of oil painting are introduced while working from landscape, still life and the figure. Museum trips and slide lectures augment studio work.

Recommended Courses: Spring for Studio Art

Introduction to Drawing II (FA 3b) An introduction to the materials and methods of drawing, intended for both studio majors and non-majors. A topics-based course, each section will offer basic drawing instruction through focus on a particular theme such as figure drawing, watercolor, or printmaking.

Three Dimensional Design (FA 4b) The exploration of three-dimensional aspects of form, space, and composition utilizing a variety of materials and sculptural techniques. The intent of this course is to give students a rich studio experience and promote a fresh and meaningful approach to visual concepts.

Life Painting (FA 7b) A course dedicated to the practice and study of the human form. Students work in oil paint from live models for the duration of the course. Students explore historical and contemporary painting issues surrounding art making from the model.

French and Francophone Studies

See Romance Studies

German, Russian, and Asian Languages and Literature

www.brandeis.edu/departments/grall
Phone: 781-736-3200

Chinese

www.brandeis.edu/departments/grall/chinese

Undergraduate Advising Head: Yu Feng
781-736-2961, email: yfeng@brandeis.edu

German Language and Literature

www.brandeis.edu/departments/grall/german
Course of Study: Major, Minor
Undergraduate Advising Head: Steve Dowden
781-736-3230, email: dowden@brandeis.edu

Japanese

www.brandeis.edu/departments/grall/japanese
Undergraduate Advising Head: Hiroko Sekino
781-736-2976, email: sekino@brandeis.edu

Russian Language and Literature

www.brandeis.edu/departments/grall/russian
Course of Study: Major, Minor
Undergraduate Advising Head: David Powelstock
781-736-3347, email: pstock@brandeis.edu
Study Abroad Liaison: Irina Dubinina
email: idubinina@brandeis.edu

Russian and East European Studies

http://www.brandeis.edu/programs/interdepartmental/
Russian/
Course of Study: Minor
Undergraduate Advising Head: David Powelstock
781-736-3347 email: pstock@brandeis.edu

Chinese

Brandeis Chinese Program offers four levels of modern Chinese language instruction on a regular basis, CHIN 10a, CHIN 20b, CHIN 30a, CHIN 40b, CHIN 105a, CHIN 105b, CHIN 120a, and CHIN 120b. It also offers a course CHIN 29b for students who speak Chinese well but weak in reading and writing, and an advanced level business Chinese course CHIN 106b for students who are interested in Chinese business and economy. The courses are proficiency oriented, task-aided, and computer-assisted to ensure high efficiency.

If you have learned Chinese at high school or somewhere else, you should take a placement test online that will help us to find a right course for you:

www.brandeis.edu/departments/grall/chinese/placement/placement.html

Recommended Courses: Fall

Beginning Chinese (CHIN 10a) Mandarin Chinese are taught with introduction of pinyin phonetic system and computer input method in this intensive training course, intended for students with no previous knowledge of Chinese. Class meets four

days per week plus one section of individual conversation. Offers training in basic Chinese grammar, speaking, aural comprehension, reading, and writing (both with computer and hand-writing).

Pathways for Chinese Literacy (CHIN 29b) This course is designed for three groups of students: 1. You speak Chinese at home and you speak Chinese quite well. However, your reading and writing skills are weak or you don't write Chinese at all; 2. You learned Chinese at high school for one year or more but you mainly learned basic Chinese conversations and your skills in reading and writing are very limited; 3. You stayed in a Chinese speaking region for one year or more and you speak Chinese well. However, you don't read and write Chinese. During the class, you will learn how to read and write Chinese with computer while consolidating your conversational Chinese. If you are not sure if this course will meet your need, please contact the instructor by email: yfeng@brandeis.edu.

Recommended Courses: Spring

Continuing Beginning Chinese (CHIN 20b)

Continuation of CHIN 10a.

German Language and Literature

German has always been one of the prime languages of international scholarship, and the reunification of Germany has renewed attention to its European and indeed worldwide importance. German majors have gone on to graduate school in German literature to prepare for a career of teaching and research or to professional school in law, medicine, or business, entered government work, have found employment with publishing companies or business firms with international connections. We offer a major and a minor in German. Our department is also part of the major in European Cultural Studies (ECS).

All students who wish to enroll in a higher level course than GER 10 are required to take a placement exam administered during the first full week of instruction. Courses appropriate for first-year students include:

Recommended Courses: Fall

Beginning German (GER 10a) Intended for students with little or no previous knowledge of German. Emphasis is placed on comprehending, reading, writing, and conversing in German and the presentation of basic grammar. Class work is enhanced by various interactive classroom activities and is supplemented by extensive language lab, video, and computer-aided exercises.

From Goethe to Thoman Mann: The Emergence of German National Self-Consciousness (GECS 119a)

Explores the emergence of Germanness in nineteenth century works and the parallel rise of the Jew as the German's antithetical doppelganger who can never be "German." Examine works by Goethe, Hoffmann, Kleist, Heine, Buchner, Fontane, Nietzsche, and Mann.

Recommended Courses: Spring

Continuing German (GER 20b) Continuation of comprehending, reading, writing, and conversing in German, with an emphasis on basic grammar concepts. Special attention is paid to the development of speaking skills in the context of cultural topics of the German-speaking countries. Extensive language lab, video, and computer-aided exercises supplement this course.

Japanese

We offer a four-year curriculum in the Japanese language as well as Japanese literature courses. The Japanese language program has inspired a long-standing interest in Japan. Students have participated in study-abroad programs such as Kyoto Consortium Japanese Studies (KCJS), CIEE at Sophia University and IES Nanzan University. Japanese program alumni have developed professional interests in Japan in fields such as translation/interpretation, software development, business, art, and international relations, and many have participated in the Japan Exchange and Teaching (JET) program sponsored by the Japanese government. Others have entered graduate studies in such field as law, economics, politics, history, East Asian studies, art, computer science and medicine.

All students who wish to enroll in a higher-level course than JAPN 10 are required to take a placement exam administered during the first full week of instruction.

Recommended Courses: Fall

Beginning Japanese (JAPN 10a) Intended for students with little or no previous knowledge of Japanese. This course offers intensive training in the basics of Japanese grammar, listening comprehension, speaking, reading, and writing. Students acquire Japanese language proficiency through various interactive classroom activities, workbook, audio, video and computer-assisted exercises.

The World of Classical Japanese Literature (JAPN 145A) A survey of some of the most important works of Japanese literature from its origins to the late sixteenth century, including a wide range of genres: fiction, essays, travelogues, poetry, and drama. All readings are in English. Usually offered every third year.

Recommended Courses: Spring

Continuing Japanese (JAPN 20b) Continuation of JAPN 10a.

Russian and East European Studies Program

Russian and East European Studies is an interdisciplinary program for students concentrating in other departments of the University. The purpose of the program is to allow student with an interest in Russia and the nations of Eastern Europe to acquire knowledge and to develop skills in addition to those gained in other concentrations. The program combines and integrates courses on Russian and East European history, politics, economics, literature, and language. REES courses are cross listed under History, Near Eastern and Judaic Studies, and Russian Language and Literature.

Recommended Courses: Fall

Beginning Russian I (RUS 10a) For students who have had no previous study of Russian. A systematic presentation of the basic grammar and vocabulary of the language within the context of Russian culture, with focus on all four language skills: listening, speaking, reading, and writing.

Russian Language and Literature

We are a small, but vibrant program which offers a number of outstanding courses on Russian literature (taught in English) and a full three-year language curriculum. Our literature expertise is in the 19th and 20th -century Russian novel and in Russian poetry. Language courses focus on developing all four skills: speaking, listening, writing and reading, with special focus on speaking and oral comprehension. Our language courses are intensive and fast-paced which allows students to achieve significant proficiency after only 2 years of language study. By the fourth semester (Russian 40) students are able to handle the class instructed entirely in Russian. Advanced level focuses on developing language skills through content courses.

Our program also offers special opportunities for Russian bilinguals to acquire literacy in Cyrillic and to develop their language skills.

Please contact Program Director Irina Dubinina for more information about these opportunities.

Recommended Courses: Fall

Beginning Russian (RUS 10a) For students who have had no previous study of Russian. A systematic presentation of the basic grammar and vocabulary of the language within the context of Russian culture, with focus on all four language skills: listening, speaking, reading, and writing.

Russian 106 (RUS 106b) Advanced Russian Language through Film Prerequisite: RUS 40b or permission of the instructor. Taught in Russian. For advanced students of Russian and/or bilingual students who grew up speaking Russian at home and know how to read and write grammatically in Russian. Students will enhance their written and oral proficiency, and grammatical accuracy in writing and speaking. Class discussions and writing assignments will focus on aspects of Russian society as they are portrayed in Soviet/Russian films. Background readings about the films related to relevant aspects of Russian society and language will also be assigned.

Recommended Courses: Spring

Continuing Russian (RUS 20b) For students with some previous study of Russian. Continuing presentation of the basic grammar and vocabulary of the language within the context of Russian culture, and practice of the four language skills. Special attention to reading and writing skills, as well as guided conversation.

Greek

See Classical Studies

Health: Science, Society and Policy

www.brandeis.edu/programs/hssp

Course of Study: Major, Minor

Undergraduate Advising Head: Peter Conrad

781-736-3498, email: conrad@brandeis.edu

Learn the disciplines that contribute to society's understanding of human health and disease through the Health: Science, Society, and Policy (HSSP) program. This program helps students recognize the biological underpinnings of health, illness, and disability, as well as their social, political, legal, and economic dimensions.

HSSP introduces students to the political, economic, legal, public health, and organizational dimensions of health care systems in the United States and

throughout the world. Students can enhance their knowledge with a "hands on" experience in either an internship (in a health care delivery, public health, or advocacy organization), a laboratory (studying the biological basis of health, behavior, or disease), or a field-based research project (investigating aspects of health or illness in a social context).

It is recommended that first year students take no more than one or two courses for the HSSP major during their freshman year.

Recommended Courses: Fall

Introduction to Epidemiology, Biostatistics, and Population Health (HSSP 100b) Provides an orientation to the science of epidemiology, the quantitative foundation for public health policy. As a comprehensive survey course, students from varying academic backgrounds are introduced to biostatistics and major epidemiological concepts, and provided with training in their application to the study of health and disease in human populations. Case studies examine how environmental, physical, behavioral, psychological, and social factors contribute to the disease burden of populations.

American Health Care (HS 104b) *Core course for all HSSP program degrees.* Examines and critically analyzes the United States health care system, emphasizing the major trends and issues that have led to the current sense of "crisis." In addition to providing a historical perspective, this course will establish a context for analyzing the current, varied approaches to health care reform.

Sociology of Body and Health (SOC 189a) *This course fulfills the Focal Area B requirement for all HSSP major degrees.* Explores theoretical considerations of the body as a cultural phenomenon intersecting with health, healing, illness, disease, and medicine. Focuses on how gender, race, class, religion, and other dimensions of social organization shape individual experiences and opportunities for agency and resistance.

Health, Community, and Society (SOC 191a) *Core course for all HSSP program degrees.* An exploration into interrelationships among society, health, and disease, emphasizing the social causes and experience of illness.

Recommended Courses: Spring

HSSP 100B is also offered in the spring.

Biology: Human Implications (BIO 15b) Core course for the HSSP program BA degree. In the last half-century brought an unprecedented expansion of our knowledge of the living world. The effects of these discoveries on our lives and the effects of our lives on the rest of the living world are increasing. Recent developments in biology affect our health care choices, our consumer choices, and even our choices as parents. This course is intended as an introduction to contemporary biology. It stresses the fundamentals of cell biology and genetics and explores the diversity of life, including microorganisms and plants.

Introduction to Epidemiology, Biostatistics, and Population Health (HSSP 100b) Provides an orientation to the science of epidemiology, the quantitative foundation for public health policy. As a comprehensive survey course, students from varying academic backgrounds are introduced to biostatistics and major epidemiological concepts, and provided with training in their application to the study of health and disease in human populations. Case studies examine how environmental, physical, behavioral, psychological, and social factors contribute to the disease burden of populations.

Hebrew

www.brandeis.edu/departments/hebrew
Course of Study: Major, Minor
Undergraduate Advising Head: Vardit Ringvald
781-736-2979, email: ringvald@brandeis.edu

The Hebrew program offers a variety of thirty courses per academic year including skill based courses such as, conversation, reading, writing and grammar, as well as content based courses dealing with issues related to the Israeli culture such as Israeli cinema, Israeli literature, theater and drama, media and news, a course about Jerusalem and Israeli women. In addition we offer courses related to the theories and methodology of the teaching and learning of Hebrew.

Students who come with no background in Hebrew by the end of their fourth year at Brandeis will be able to gain advanced level abilities in the language.

Courses are taught by experienced faculty whose fields of specialization include: Modern Hebrew literature and culture, Hebrew language, Biblical studies, post-Biblical and Talmudic literature.

Entering first year students are required to take the Hebrew Placement Test if they plan to enroll in any Hebrew course.

Those who wish to be tested on their oral abilities need to contact Professor Vardit Ringvald, the Director of the Hebrew program, by e-mail at ringvald@brandeis.edu for an appointment.

Recommended Courses: Fall

Beginning Hebrew (HBRW 10a) For students with no previous knowledge and those with a minimal background in Hebrew. This course includes intensive training in the basics of Hebrew grammar, listening comprehension, speaking, reading, and writing. By the end of the course students will function at the level of Novice-high to Intermediate-low according to ACTFL guidelines.

Beginning Hebrew with Honors (HBRW 19a) Especially designed for those students who has some exposure to Hebrew, and who wish to excel in the language. The course offers a higher level of instruction in the basics of grammar, vocabulary, speaking and writing.

Recommended Courses: Spring

Beginning Hebrew (HBRW 10a) For students with no previous knowledge and those with a minimal background in Hebrew. This course includes intensive training in the basics of Hebrew grammar, listening comprehension, speaking, reading, and writing. By the end of the course students will function at the level of Novice-high to Intermediate-low according to ACTFL guidelines.

Intermediate Hebrew (HBRW 20b) A continuation of HBRW 10a, employing the same methods. Intensive training in Hebrew grammar, listening, comprehension, speaking, reading, and writing.

Hispanic Studies

See Romance Studies

History

www.brandeis.edu/departments/history
Course of Study: Major, Minor
Undergraduate Advising Head: Michael Willrich
781-736-2292, email: willrich@brandeis.edu

Discover the historical origins of the modern world. The history department offers a flexible major that allows students to follow their individual interests, while seeking breadth as well as depth in their investigations of the past. Our eminent faculty,

many of whom have won national awards for their teaching and scholarship, guide your inquiries into many and disparate eras, and places in time around the globe.

Recommended Courses: Fall

History of the United States: 1607-1865 (HIST 51a)

An introductory survey of American history to the Civil War.

Europe from 1789 to the Present (HIST 52b)

Analytical introduction to modern European history considering such issues as the French Revolution, economic and social modernization and the Industrial Revolution, the evolution of modern nationalism, imperialism and socialism, development of the world market, imperialism, diplomacy and war in the twentieth century, Bolshevism and the decline of liberalism, modern totalitarianism, World War II, decolonization, the Cold War, the revival of Europe, and the revolutions of 1989.

World History to 1960 (HIST 56b) An introductory survey of world history, from the dawn of "civilization" to c.1960. Topics include the establishment and rivalry of political communities, the development of material life, and the historical formation of cultural identities.

Latin American History, Pre-Conquest to 1870 (HIST 71a)

An introduction to the historical foundations of Latin America: Amerindian civilizations, Spanish conquest, colonial economy and society, independence movements.

Introduction to East Asian Civilization (HIST 80a)

A selective introduction to the thought, social and political institutions, and cultural traditions of China and Japan from early times to the beginning of the 19th century.

Recommended Courses: Spring

Latin American History, 1870 to the Present (HIST 71b)

Modern Latin America, with stress on the interactions of economics, politics, and external dependency in the region.

The Civilization of the Early Middle Ages (HIST 110a)

Survey of medieval history from the fall of Rome to the year 1000. Topics include the barbarian invasions, the Byzantine Empire, the Dark Ages, the Carolingian Empire, feudalism, manorialism, and the Vikings. Usually offered every second year.

History of Ideas Program

www.brandeis.edu/programs/historyofideas

Course of Study: Minor

Undergraduate Advising Head: Bernard Yack
781-736-2640, email: yack@brandeis.edu

To understand the significance of our beliefs and commitments, we need to trace their sources and their history. The History of Ideas program proposes to provide students with the historical background of the issues and the values that have shaped their interests. It is intended to provide students with the skills, the knowledge, the guidance, and the freedom to construct a focused and rigorous course of study – one that explores the historical transformation of a set of ideas and institutions across several traditional disciplines.

Recommended Courses:

The Making of European Modernity (ECS 100b)

Investigates how the paradigm of what we know as modernity came into being. We will look at the works of writers and philosophers such as Descartes, Aquinas, Dante, Ockham, Petrarch, Ficino, Rabelais, and Montaigne. Artwork from the Middle Ages and the Renaissance will be used to understand better what 'the modern' means.

International and Global Studies Program

www.brandeis.edu/programs/igs

Course of Study: Major, Minor

Undergraduate Advising Head: Ellen Schattschneider
781-736-2219, email: eschatt@brandeis.edu

Understand the complex processes of globalization that affect politics, economics, culture, society, the environment, and many other facets of our lives. International and Global Studies (IGS) students take four core courses and then specialize in one of these areas: Cultures, Identities, and Encounters; Global Economy; Global Environment; Global Governance; Media, Communications, and the Arts; and Inequality, Poverty, and Global Justice.

Recommended Courses: Fall

Introduction to Economics (ECON 2a) A one-semester introduction to economic analysis with policy applications. The economist's approach to social analysis is systematically elaborated.

Introduction to International and Global Studies (IGS 10a)

Offered in both the fall and spring semesters, introduces the program's specialization and examines the key processes and problems of transnational changes. This course provides the

foundation for the other core courses and advanced courses in the specialization.

Introduction to the Comparative Study of Human Societies (ANTH 1a) Examines the ways human beings construct their lives in a variety of societies. Includes the study of the concept of culture, kinship and social organization, political economy, gender and sexuality, religion and ritual, symbols and language, social inequalities and social change, and globalization. Consideration of anthropological research methods and approaches to cross-cultural analysis.

Recommended Courses: Spring

ANTH 1A and IGS 10A is also offered in the spring.

ECON 2a is also offered in the spring. Students who took ECON 2a in the fall may take:

The Global Economy (ECON 8b) Applies the basic tools and models of economic analysis to a wide range of topics in micro, macro, and international economics.

Internet Studies Program

www.brandeis.edu/programs/inet

Course of Study: Minor

Undergraduate Advising Head: Timothy Hickey

781-736-2706, email: tjhickey@brandeis.edu

Internet Studies is a program designed for students who would like a deeper understanding of the technology underlying the Internet, as well as a liberal arts perspective on how it is transforming society. All courses in the program are drawn from a variety of departments (including computer science, economics, legal studies, anthropology, English, fine arts) and have been designed primarily for majors in those disciplines.

Students who complete the Internet studies program will have studied the Internet from several perspectives, including computer science (hardware, software, computational models such as distributed computing, peer-to-peer computing, data compression, computer security, search engine technology), legal studies (statutory and case law concerning intellectual property, privacy, freedom of expression in the domain of the Internet), economics (Internet business models, role of the Internet in the economy), anthropology (structure of online communities, trust, comparisons of online and offline behavior), philosophy (the right to privacy and freedom of speech, Internet ethics, Internet responsibility), literature (hypertext as a

literary text, literary criticism of non-linear works), fine arts (art for the Internet).

Recommended Courses:

Topics in Computational Cognitive Science (COSI 111a) Prerequisite: COSI 101a (formerly COSI 35a), or COSI 25a (formerly COSI 125a) or permission of the instructor. Focuses on the cognitive aspects of computer-mediated group problem solving. Topics include computer-supported cooperative work, the role of convention in the coordination of activity, problem solving and skill acquisition, adaptive systems, distributed cognition, and discourse. The laboratory work is designed to give the student practice with the ideas and techniques under discussion.

Mediums and Messages (COML 163a)

How do human beings and human bodies participate in expressive communication technology, digital or otherwise? This course looks at examples of technological mediation in history, literature, art, science, and pseudo-science. Readings include works by Pynchon, Plato, Poe, Butler, Borges, Tiptree, Bioy-Casares, Kafka, and Villiers de L'Isle-Adam. Special one-time offering, fall 2009.

Islamic and Middle Eastern Studies Program

www.brandeis.edu/programs/interdepartmental/islamic

Course of Study: Major, Minor

Undergraduate Advising Head: Joseph Lumbard

781-736-2971, email: lumbard@brandeis.edu

The Islamic and Middle Eastern Studies is designed to provide a strong foundation in Middle Eastern studies along with a specialized knowledge of Islam. The program is an interdisciplinary curriculum sponsored by the Near Eastern Judaic Studies program. It is especially appropriate for students wishing to pursue graduate work or for those considering government, business, and public services careers dealing with the Middle East.

Recommended Courses: Fall

Islam: Civilizations and Institutions (IMES 104a)

Provides a disciplined study of Islamic civilization from its origins to the current state of affairs. Topics include the Qur'an, tradition, law, theology, politics, Islam and other religions, modern developments, women in Islam, and Islam and Middle-Eastern politics.

Political Economy of the Third World (AAAS 126b)

Development of capitalism and different roles and

functions assigned to all "Third Worlds," in the periphery as well as the center. Special attention will be paid to African and Afro-American peripheries.

Recommended Courses: Spring

Africa in World Politics (AAAS 163b) Explores the impact of African states in world affairs; the African and Afro-Asian groups in the United Nations; relations with Eastern Europe, Western Europe, and the Americas; the Afro-Asian movement; nonalignment; the Organization of African Unity; and Pan-Africanism. Usually offered every second year.

Italian Studies Program

See Romance Studies

Japanese

See German, Russian and Asian Languages and Literature

Journalism Program

www.brandeis.edu/departments/journalism

Course of Study: Minor

Undergraduate Advising Head: Maura Jane Farrelly
781-736-2224, email: farrelly@brandeis.edu

Considering a career in print, TV, Internet, or film journalism? Interested in studying the role of the communications media in modern life, politics, and culture? The Journalism Program offers students a unique, liberal-arts approach to the study of journalism. A diverse faculty of scholars and journalism professionals teach students about the role of the media in domestic and international affairs and train students in the skills necessary for the accomplished practice of journalism. There are many specific "journalism courses," as well as more general courses taken from relevant areas: American Studies, Politics, Sociology, English, and Anthropology.

Recommended Courses: Fall

Journalism in Twentieth-Century America (AMST 137b) Examines what journalists have done, how their enterprise has in fact conformed with their ideals, and what some of the consequences have been for the republic historically.

Ethics in Journalism (JOUR 110b) Should reporters ever misrepresent themselves? Are there pictures newspapers should not publish? Is it ever acceptable to break the law in pursuit of a story? Examines the

media's ethics during an age dominated by scandal and sensationalism.

The Contemporary World in Print (JOUR 138b)

Signature of the instructor required. Introduces students to the practice of news reporting for print media and links theory and history to the working craft of journalism. Trains students in the fundamentals of newsgathering and writing and provides an opportunity to practice those skills in conditions simulating a newsroom. A concern for ethics, balance, and accuracy is stressed in all assignments.

Recommended Courses: Spring

Writing for Broadcast and the Internet (JOUR 15a)

A hands-on workshop designed to teach basic broadcast news-writing skills, as well as techniques for gathering, producing, and delivering radio and television news. Stresses the importance of accuracy. Issues of objectivity, point of view, and freedom of the press are discussed.

Language and Linguistics Program

www.brandeis.edu/programs/interdepartmental/linguistics

Courses of Study: Major, Minor

Undergraduate Advising Head: Lotus Goldberg
781-736-3265, email: lmgold@brandeis.edu

Language and Linguistics is an interdisciplinary program, both a major and a minor that studies the nature and structure of human languages.

The program concentrates on the core sub-fields of linguistics, examining linguistic structure in terms of sound systems (phonetics and phonology), word-building (morphology), sentence-building (syntax), and language meaning (semantics and pragmatics).

The program emphasizes the approach of generative grammar, which attempts to place this knowledge in a psychological and biological framework. Along with careers in academic linguistics itself, the study of linguistics provides a solid background for careers in such diverse fields as computational linguistics, artificial intelligence, cognitive neuroscience, behavioral neurology, speech and language therapy, language teaching, and law.

Courses in the Computational Linguistics MA program are also open to language and linguistics undergraduates, and help prepare students for advanced academic or industry work in the domain of computational linguistics.

Recommended Courses: Fall

Introduction to Linguistics (LING 100a) A general introduction to linguistic theory and the principles of linguistic analysis. Students will construct detailed analyses of data from English and other languages in the areas of syntax, semantics, phonetics, and phonology and examine their implications for a theory of language as it is encoded in the human mind.

Syntactic Theory (LING 120b) Examines the major syntactic phenomena of English, along with the basic principles of generative syntactic theory, and of how to build a syntactic theory more generally. Data from other languages is considered where relevant.

Mathematical Methods in Linguistics (LING 160b) Introduces fundamental mathematical concepts needed for much work in linguistics and computational linguistics. Deepens students' understanding of the theoretical tools used in other linguistics courses, and (with Ling 131) is also a requirement for many of the computational linguistics courses in the curriculum.

Recommended Courses: Spring

We recommend all LING courses offered in the Spring Schedule of Classes to first-year students. Note that students are urged to take Phonological Theory, Ling 110a, in their freshman year, since it is generally offered only every other year. This is especially important for students considering study abroad in their junior year.

Universal Grammar (LING 125b) Focuses on linguistic typology, in which the languages of the world are classified in terms of the grammatical features which they have in common. Also covers certain language universals: traits and implicational relationships which hold in every language or in many languages.

Formal Semantics: Truth, Meaning, and Language (LING 130a) Explores the semantic structure of language in terms of the current linguistic theory of model-theoretic semantics. Topics include the nature of word meanings, categorization, compositionality, and plurals and mass terms.

Topics in Cognitive Science: Sociolinguistics (LING 190b) Introduces the study of language variation and change, with primary emphasis on sociolinguistics—the study of relationships between language and society. Topics include the influence

on language of age, gender, and social class; the role of language in human behavior and social organization; and pidgins, creoles, and multilingualism.

Latin

See Classical Studies

Latin American and Latino Studies

www.brandeis.edu/departments/lals

Course of Study: Major, Minor

Undergraduate Advising Head: Javier Urcid

781-736-2223, email: urcid@brandeis.edu

The Latin American and Latino Studies Program offers an interdisciplinary approach to understanding South America, Mexico, Central America, the Caribbean, and the Latin American diaspora in the United States. To have a first hand experience of the subject, students are encouraged to go abroad and study in Latin America for a semester.

Senior students' interests that do not easily fit the courses available at Brandeis may arrange for an independent study with members of the Latin American and Latino Studies program.

Recommended Courses: Fall

Latin American Politics I (POL 144a) Revolution, order, and regime transition in northern Latin America. Specific examination of the Mexican and Cuban revolutions and their outcomes.

Recommended Courses: Spring

Women in Latin American Politics (POL 130b)

Examines feminism in Latin American and the meaning and role of gender and gender ideology in the principal regime types in Latin America. Topics include the interaction between gender and class, ethnicity/race, regional solidarity, and national and international and politics. Special one-time offering, spring 2010.

Legal Studies Program

www.brandeis.edu/programs/legal_studies

Course of Study: Minor

Undergraduate Advising Head: Richard Gaskins

781-736-3025, email: gaskins@brandeis.edu

Legal Studies is a flexible program that includes law-related courses drawn from many different departments, in addition to its own courses and seminars on a wide range of legal topics. Individual

courses are open to students from all fields, including the sciences and medicine, as well as humanities, social sciences, and creative arts. Students can minor but not major in Legal Studies, by completing the program requirements of five courses and a research-based internship. First-year students are encouraged to take **Introduction to Law (LGLS 10a)**, which is offered every spring semester.

Recommended Courses: Spring

Introduction to Law (LGLS 10a) Surveys the nature, process, and institutions of law: the reasoning of lawyers and judges, the interplay of cases and policies, the impact of history and culture, and the ideals of justice and responsibility.

Mathematics

www.math.brandeis.edu

Course of Study: Major, Minor

Undergraduate Advising Head: Bong Lian

781-736-3059, email: lian@brandeis.edu

Mathematics is central to the natural sciences, to ecological issues, to economics, and to our technical society. Since mathematics courses build upon earlier courses, it is extremely important that students place themselves at the correct level. Students who place themselves in too advanced a course usually have difficulty as the semester progresses. Students with AP credit in mathematics should take the placement exam.

Students who plan to enroll in precalculus (MATH 5a), single variable calculus (MATH 10a or 10b) or an intermediate course like MATH 15a, 20a or 22a should take the mathematics placement exam before enrolling.

Students who place out of calculus may take MATH 15a, MATH 20a or MATH 22a. Course descriptions are given below. MATH 15a and 20a are offered every semester and can be taken in any order. Students trying to decide between MATH 15a/20a and MATH 22a should take the MATH 22a placement exam. Both placement exams can be found at www.brandeis.edu/registrar/newstudent.html.

Recommended Courses:

Precalculus Mathematics (MATH 5a) Contains a brief overview of algebra and then covers trigonometric, exponential, logarithmic and other functions. The calculus courses that follow presume that students have mastered this material.

Techniques of Calculus (MATH 10a) Covers differential calculus of one variable, with a brief introduction to integral calculus.

Techniques of Calculus (MATH 10b) Continues the study of integral calculus of one variable, with emphasis on techniques and applications.

Applied Linear Algebra (MATH 15a) Examines matrices, linear transformations and vector spaces, topics that are important in economics and the sciences.

Techniques of Calculus: Calculus of Several Variables (MATH 20a) Continues the study of calculus with vectors, partial derivatives, and multiple integrals.

Linear Algebra and Intermediate Calculus (MATH 22a/b) Covers in two semesters material similar to that covered in MATH 15a and MATH 20a, but meets four hours a week. It is more theoretical and is directed at students with a stronger background in mathematics. Math 22a is offered in the fall semester only and Math 22b in the spring only. To enroll, students must take the placement exam and obtain permission of the instructor.

Medieval and Renaissance Studies Program

www.brandeis.edu/programs/merl/

Course of Study: Minor

Undergraduate Advising Head: Jonathan Decter

781-736-2960, email: decter@brandeis.edu

The Medieval and Renaissance Studies Program provides students with a broad introduction to the development of western civilization from the end of antiquity to the seventeenth century. It is founded on the principle that an interdisciplinary perspective is the most profitable way to gain an understanding of the formation of early modern Europe. In order to develop a multifaceted picture of the Middle Ages and the Renaissance, all students select one of two core courses in history, and they are encouraged to explore a variety of disciplinary perspectives provided by various national literatures, fine arts, and philosophy. The exact balance of these approaches depends on a student's interest.

Recommended Courses: Fall

Madness and Folly in Renaissance Literature (COML 103b) A study of the theme of madness and folly as exemplified by the major writers of the Renaissance, including Erasmus, Rabelais,

Montaigne, Boccaccio, Ariosto, Shakespeare, Petrarch, and Cervantes. Usually offered every second year.

Dream Visions: Genre, History, and the Mysterious (ENG 123a) A study of the mysterious function of imaginary dreams in medieval and Renaissance writing, along with actual dream dictionaries and dream transcriptions of the period. Visions of Hell, prophetic dreams, apocalypse, Chaucer, Dante, Shakespeare, Nashe, and others. Usually offered every third year.

Recommended Courses: Spring

Shakespeare (ENG 33A) A survey of Shakespeare as a dramatist. From nine to twelve plays will be read, representing all periods of Shakespeare's dramatic career.

The Civilization of the High and Late Middle Ages (HIST 110b) Survey of European history from 1000 to 1450. Topics include the Crusades, the birth of towns, the creation of kingdoms, the papacy, the peasantry, the universities, the Black Death, and the Hundred Years War.

Music

www.brandeis.edu/departments/music

Course of Study: Major, Minor

Undergraduate Advising Head: Yu-Hui Chang
(June – Aug) 781-736-3317,

email: ychang@brandeis.edu

Undergraduate Advising Head: Seth Coluzzi (Sept – April) 781-736-3329 email: coluzzi@brandeis.edu

The Music department believes in uniting musical excellence with intellectual inquiry by offering students the opportunity to experience music as both scholarship and a process of creation and performance.

The curriculum and repertoire explore the connection between the art of the past and the present by seeking new interpretive meanings to classical works; creating and experiencing new music inspired by the visionaries who preceded us; exploring western and non-western musical traditions; and understanding music as a cultural phenomenon.

Recommended Courses: Fall

Introduction to Music (MUS 1a) A general introduction to the materials and forms of music, and a study of musical literature. Training in analytical listening, based on selected listening

assignments. Open to non-majors who are assumed to have little or no previous knowledge of music.

Fundamentals of Music (MUS 5a) For students with no musical background. Classes are devoted to the notation of music, sight singing, and dictation.

Freedom and Convention: Jazz Improvisation from Charlie Parker to Miles Davis and John Coltrane (MUS 35a) Examines the improvisatory process through the study of recordings, relevant scholarship, and analyses of individual artists and their improvisations. An aural approach acquaints students with several styles including Bebop, Hardbop, Free-Jazz, and other more modern approaches.

Introduction to Electro-Acoustic Music (MUS 107a)

A course designed to give students basic studio skills and a context for listening to and working in electronic music. Topics include basic acoustics, sound design, digital and analog recording techniques, and assignments on the pioneers and current practitioners of electro-acoustic music. Involves hands-on experience in the use of MIDI-controlled synthesizers, samplers, production equipment, and includes individual studio projects based on individual studio time.

Recommended Courses: Spring

Introduction to World Music: Listening Across Time and Space (MUS 3b) Develops active listening skills that will be used in the study of music from three non-Western societies. Students will become better listeners and will gain an appreciation for the various roles music plays in society.

Beethoven (MUS 45a) A study of the most influential musician in the history of Western civilization. Although attention is given to his place in society, emphasis falls on an examination of representative works drawn from the symphonies, concertos, chamber music, and solo piano works.

Music Performance Courses

There is a long tradition and a strong emphasis on performance in the music department. First-year students, especially potential majors, are encouraged to enroll in **Private Lessons: Instrumentalists** (MUS 111a and b) or **Private Lessons: Voice** (112a and b). Placement auditions for teacher assignments are held at the beginning of the semester. The department also extends a warm invitation to all students to participate in the performing ensembles: Early Music Ensemble, Wind Ensemble, Chamber

Choir, University Chorus, Jazz Ensemble, Orchestra, and Chamber Music.

Considering the Music Major or Minor

The major in music, leading to a BA, provides the opportunity to choose one of four tracks: Composition, Cultural Studies, History, or Performance. While the core of the program consists of the study of the theory (with associated labs that provide further training in musicianship skills) and history of Western music, students are encouraged to develop a plan, in consultation with their track advisor, which focuses on specific topics within the track. There are ample opportunities for electives within the department and in other departments. The minor in music consists of six semester courses: one year of theory (with associated musicianship lab), two courses in music history, and one additional departmental course.

First year students who may be considering a major or minor in music should plan to take theory courses appropriate to their level by enrolling initially in **Theory and Musicianship I (MUS 101a)** and **Theory and Musicianship Lab I (MUS 102a)**. A placement exam, given on the first day of class, ensures that students are enrolled in the appropriate level of theory.

Theory and Musicianship I (MUS 101a) The beginning of the first year of theory, focusing on harmony, counterpoint, and analysis. Students will begin their writing of model composition in the tonal idioms with study of representative works of the tonal literature.

Theory and Musicianship Lab I Accompanies MUS 101a and is designed to develop aural skills. Sight-singing, melodic and harmonic dictation, keyboard harmony, and rhythmic skills are introduced.

Near East & Judaic Studies

www.brandeis.edu/departments/nejs

Course of Study: Major, Minor

Undergraduate Advising Head: Jonathan Decter

Email: decter@brandeis.edu

Near Eastern and Judaic Studies encompasses two broad and highly significant fields: (1) the history, languages, and cultures of the Ancient Near and the Modern Middle East, and (2) the study of the Jewish people, including its history, religion, literature and contemporary experience. A range of courses drawn from different disciplines is offered in the department, including courses dealing with Judaism, Christianity, and Islam. The department is

among the most distinguished of its kind in the world, and its renowned faculty welcomes the opportunity to teach students from diverse backgrounds.

Recommended Courses: Fall

Beginning Hebrew (HRBW 10a) For students with no previous knowledge and those with a minimal background. Intensive training in the basics of Hebrew grammar, listening comprehension, speaking, reading, and writing. Several sections will be offered. Usually offered every semester.

Foundational Course in Judaic Studies (NEJS 5a) A survey of the Jewish experience and thought, focusing on the varieties of historical Judaism including its classical forms, its medieval patterns and transformations, and its modern options.

Introduction to Christianity (NEJS 128a)

An introduction to Christian beliefs, liturgy, and history. Surveys the largest world religion: from Ethiopian to Korean Christianity, from black theology to the Christian right. Analyzes Christian debates about God, Christ, and human beings. Studies differences among Catholics, Protestants, and Orthodox. Usually offered every year.

Elementary Akkadian (NEJS 101a) Introduction to Akkadian grammar and lexicon and cuneiform script. This course is for beginning students of Akkadian.

Recommended Courses: Spring

The World of the Ancient Near East (NEJS 9a) An introduction to the peoples, history, religions, institutions, and culture of ancient Mesopotamia, Syria, Israel, Anatolia, and Egypt from prehistory to 330 BCE. Usually offered every second year.

Yiddish Literature: From Myth to Modernism

(NEJS 75a) Introduces students to Yiddish fiction, poetry, and drama created in the nineteenth and twentieth centuries in Eastern Europe and the Americas. Readings include a sampling of works by classic Yiddish writers, but focus primarily on fiction, poetry, and drama by writers of succeeding generations. Usually offered every second year.

The Hebrew Bible/Old Testament (NEJS 111a)

A survey of the Hebrew Bible (Old Testament). Biblical books will be examined from various perspectives and compared to other ancient Near Eastern compositions. No knowledge of Hebrew is presumed.

History of the State of Israel (NEJS 145a) Examines the development of the State of Israel from its foundation to the present time. Israel's politics, society, and culture will be thematically analyzed. Usually offered every fourth year.

Neuroscience

www.bio.brandeis.edu

Course of Study: Major

Undergraduate Advising Head: Susan Birren

781-736-2680, email: birren@brandeis.edu

Neuroscience is an interdisciplinary study of the neural mechanisms involved in the control of human and animal behavior. It combines a strong foundation in basic science with more specialized courses in neurobiology and psychology. The course requirements overlap with those recommended for admissions to medical school and graduate programs in biology, neuroscience, and neuropsychology. Therefore, the major is especially appropriate for students wishing to pursue graduate school in medicine, neurobiology, cognitive neuroscience, or neuro-modeling.

Recommended Course: Fall

Techniques of Calculus (MATH 10a) An introduction to differential (and some integral) calculus of one variable, with emphasis on techniques and applications.

General Chemistry I (CHEM 11a) A basic course in chemical principles, with examples drawn from the chemistry of living systems as well as from environmental chemistry and materials science. Topics covered include stoichiometry, acid-base chemistry, chemical equilibrium, atomic structure and periodicity, molecular structure and bonding, and states of matter. Three class hours and one ninety-minute recitation per week. In addition, daily tutoring sessions will be available for students seeking extra help.

General Chemistry Lab I (CHEM 18a) Introduction to basic laboratory methods and methods of qualitative and quantitative analyses. Included in the analytical methods are gas chromatography-mass spectroscopy and infrared measurements. A synthesis project that includes analyzing the product by titration. Calorimetric experiment using probes interfaced with computers. Identification of unknowns based on physical and chemical properties. Analysis of the metal content of substances by atomic absorption. One laboratory lecture per week.

Note: CHEM 15a/CHEM 19a can be substituted for CHEM 11a/CHEM 18a. Please see the *Bulletin* for course description of CHEM 15a and CHEM 19a.

Recommended Courses: Spring

General Chemistry II (CHEM 11b) A basic course in chemical principles, with examples drawn from the chemistry of living systems as well as from environmental chemistry and materials science. Topics covered include kinetics, properties of solutions, thermodynamics, electrochemistry, coordination compounds, nuclear chemistry, and descriptive chemistry. Three class hours and one ninety-minute recitation per week. In addition, daily tutoring sessions will be available for students seeking extra help.

General Chemistry Lab II (CHEM 18b) The second semester of the general chemistry laboratory program. Continued use of probes interfaced with computers to monitor pH and electrical conductivity changes in titrating weak monoprotic and polyprotic amino acids, to monitor pressure changes as part of a kinetics study, and to monitor voltage changes of electrochemical cells with temperature so as to establish thermodynamic parameters for redox reactions. Also included is identification of unknowns based on selective precipitation and chromatography.

Note: CHEM 15b/CHEM 19b can be substituted for CHEM 11b/CHEM 18b. Please see the *Bulletin* for course description of CHEM 15b and CHEM 19b.

Peace, Conflict and Coexistence Studies

www.brandeis.edu/programs/peace

Course of Study: Minor

Undergraduate Advising Head: Gordon Fellman

781-736-2642, email: fellman@brandeis.edu

Peace, Conflict and Coexistence Studies addresses non-violent conflict resolution as a viable way to manage all conflicts and non-conflicts – from those between nations to those between people and even those within oneself. The peace, conflict, and coexistence studies program draws on social science, the humanities, the creative arts, and science to understand reasons for war and possible ways of resolving conflicts without resorting to violence.

Each student who minors in the program completes an internship in a peace-related organization or writes a peace, conflict, and coexistence related senior honors thesis in a department in which the student is majoring.

Recommended Courses: Fall

War and Possibilities of Peace (SOC 119a) Ponders the possibility of a major "paradigm shift" under way from adversarialism and war to mutuality and peace. Examines war culture and peace culture and points in between, with emphases on the role of imagination in social change, growing global interdependence, and political, economic, gender, social class, and social psychological aspects of war and peace.

Reason to Hope: Managing the Global Commons for Peace (ENVS 15a) Explores global security arrangements that would tend toward peace within the objective constraints that delimit our options; the laws of physics, energy and food availability, human population, global wealth, geography, weather, and the presence of nuclear weapons.

Archaeology of Power: Authority, Prestige, and Inequality in the Past (ANTH 136a) Archaeological research and theory provide a unique perspective on the nature of states including the Aztec, Maya, Sumerians, Egyptians, and others through 5000 years of human history. This course is a comparative, multidisciplinary seminar examining the development of complex societies in the ancient world and the significance of the state in modern society. Usually offered every second year.

Women and Gender in Culture and Society (WMGS 5a) Explore the position of women in diverse settings and the impact of gender as a social, cultural, and intellectual category in the United States and around the globe. Asks how gendered institutions, behaviors, and representations have been configured in the past and function in the present, and also examines the ways in which gender intersects with many other vectors of identity and circumstance in forming human affairs.

Recommended Courses: Spring

Economics of Third World Hunger (AAAS 60a) Employs the tools of social science, particularly economics, to study causes and potential solutions to problems in production, trade, and consumption of food in the underdeveloped world. Usually offered every second year.

Survey of Southern African History (AAAS 85a) Explores the roots of segregation and apartheid in South Africa, the development of a regional political economy dominated by South Africa, labor migrancy and land alienation in southern Africa,

and the rise of African and Afrikaaner nationalisms. Usually offered every second year.

Human Rights (PHIL 19a) Examines international human rights policies and the moral and political issues to which they give rise. Includes civilians' wartime rights, the role of human rights in foreign policy, and the responsibility of individuals and states to alleviate world hunger and famine.

Philosophy

www.brandeis.edu/departments/philosophy

Course of Study: Major, Minor

Undergraduate Advising Head: Eli Hirsch

781-736-2785, email: Hirsch@brandeis.edu

In the course of our daily lives we take the ideas of time, language, knowledge, and our own identity for granted. Philosophy seeks to push the understanding of the ideas that are fundamental to all the other disciplines taught at Brandeis University – the sciences, social sciences, humanities, and the arts.

Recommended Courses: Fall

Introduction to Philosophy (PHIL 1a) A general course presenting the problems of philosophy, especially in the areas of metaphysics, epistemology, ethics, and social and political philosophy. Texts include works of selected philosophers of various historical periods from antiquity to the present.

Science, Evolution, and Design (FYS 2A) Consider several versions of the argument form design for the existence of God culminating in a critical examination of the contemporary debate over Intelligent Design Theory and the claim that it is a genuine science.

Introduction to Symbolic Logic (PHIL 6A) Symbolic logic provides concepts and formal techniques that elucidate deductive reasoning. Topics include truth functions and quantifiers, validity, and formal systems.

Introduction to Ethics (PHIL 17A) Explores the basic concepts and theories of ethical philosophy. What makes a life good? What are our moral obligations to other people? Applications of ethical philosophy to various concrete questions will be considered.

Philosophy of Law (PHIL 22b) Examines the nature of criminal responsibility, causation in the law, negligence and liability, omission and the duty to rescue, and the nature and limits of law. Also, is the

law more or less like chess or poker, cooking recipes, or the Ten Commandments?

Philosophy of Language (PHIL 37a) Theories of meaning, reference, and methodological issues in account of language and translation. Readings from contemporary sources.

Contemporary Analytic Philosophy (PHIL 66b) Covers major figures and schools of philosophy in the twentieth century. A basic historical treatment of this period, stressing its continuity with the modern period. Emphasis on the role of logic and language in solving philosophical problems, such as the possibility of doing metaphysics, and whether there are a priori, necessary, or analytic truths. Provides both an excellent introduction to the philosophy curriculum, as well as important grounding for graduate work in philosophy. Usually offered every second year.

Recommended Course: Spring

PHIL 1A, PHIL 6A, and PHIL 17A are also offered in the spring.

Human Rights (PHIL 19a) Examines international human rights policies and the moral and political issues to which they give rise. Includes civilians' wartime rights, the role of human rights in foreign policy, and the responsibility of individuals and states to alleviate world hunger and famine. Usually offered every third year.

Philosophy of Religion (PHIL 24a) An introduction to the major philosophical problems of religion. Discusses traditional arguments for and against the existence of God, the nature of faith and mystical experiences, the relation of religion to morality, and puzzles about the concept of God. Usually offered every second year.

Existentialism (PHIL 78a) A study of French existentialist philosophy and its reception, with special attention to the works of Jean-Paul Sartre and Simone de Beauvoir. Usually offered every second year.

Physics

www.physics.brandeis.edu

Course of Study: Major, Minor

Undergraduate Advising Head: John Wardle

781-736-2800, email: wardle@brandeis.edu

Students majoring in physics go on to graduate studies in physics, electrical engineering, and medicine, or seek entry level industrial or technical

employment. For students considering majoring in physics, it is important to meet with the physics department undergraduate advisor as soon as you arrive in the fall to discuss the choice of your first classes.

If you received score(s) on either AP Physics test that entitle you to credit toward graduation and credit toward the physics major (see AP chart on back cover), you are eligible to enroll in PHYS 20A the fall semester. PHYS 11a, 15a and PHYS 20a all meet at the same time, so if you find that your initial choice was wrong, it is easy to change classes. However, we advise even students with excellent preparation in physics and mathematics to take PHYS 15a and 15b, as no AP course covers the material in sufficient depth.

Recommended Courses: Fall

Introductory Physics I (PHYS 11a) An introduction to Newtonian mechanics with special applications to several topics.

Advanced Introductory Physics I (PHYS 15a) An advanced version of PHYS 11a for students with advanced preparation in physics and mathematics. An introduction to Newtonian mechanics with special applications to several topics.

Physics Laboratory I (PHYS 19a) Laboratory course designed to accompany PHYS 11a and 15a. Introductory statistics and data analysis including use of microcomputers and basic experiments in mechanics. One afternoon or evening of laboratory per week. One one-and-a-half-hour lecture per week.

Modern Physics I (PHYS 20a) A survey of phenomena, ideas, and mathematics underlying modern physics-special relativity, waves and oscillations, and foundations of wave mechanics.

Recommended Courses: Spring

Introductory Physics II (PHYS 11b) Introduction to electricity and magnetism and special relativity.

Advanced Introductory Physics II (PHYS 15b) An advanced version of PHYS 11b for students with advanced preparation in physics and mathematics. Electricity and magnetism and special relativity.

Physics Laboratory II (PHYS 19b) Laboratory course designed to accompany PHYS 11b and 15b. Basic experiments in electricity, magnetism, and optics. Basic electrical measurements. Determination

of several fundamental physical constants. One afternoon or evening of laboratory per week. One one-and-a-half-hour lecture per week.

Quantum Theory I (PHYS 31a) Introduction to quantum mechanics: atomic models, Schrödinger equation, angular momentum, and hydrogen atom. Multielectron atoms and interaction of atoms with the electromagnetic field.

Politics

www.brandeis.edu/departments/politics
Course of Study: Major, Minor
Undergraduate Advising Head: Peter Woll
781-736-2768, email: woll@brandeis.edu

Interested in a career in governmental and nongovernmental public service, policy analysis, journalism, law, and business, as well as for post-graduate work in political science? The politics department requires students to familiarize themselves with the ways others have engaged important issues, from the classical philosophers whose works shape the Western political tradition, to the modern political theorists and practitioners who shape the politics of these issues.

There is consistency with the Brandeis emphasis on critical reading, thinking, and writing skills in all of our undergraduate courses. In our seminars we seek to develop our students' abilities to articulate reasoned arguments in support of their views before an audience of their peers.

Recommended Courses: Fall

Introduction to Political Theory (POL 10a)

introduces student to political science through the study of classic works on political philosophy from Plato through Marx. Topics covered include justice, civil disobedience, the nature of democracy, whether the ends justifies the means, natural rights, religious tolerance, arguments regarding freedom of speech, and the search for community and the common good.

Introduction to International Relations (POL 15a)

emphasizes the "big picture" questions of world politics; the causes and prevention of war; the clash between economic globalization and national sovereignty; the gap between rich and poor; threats to the global environments; and human rights struggles.

Recommended Courses: Spring

POL 15a is also offered in the spring.

Introduction to American Government (POL 14b)

presents an overview of American government and politics by examining four topics: (1) the understanding of individual rights and popular sovereignty that constitute the liberal tradition in America; (2) the design and operation of the institutions created by the Constitution; (3) parties, interest groups, and electoral competition; and (4) policymaking for environmental protection and social welfare.

Psychology

www.brandeis.edu/departments/psych
Course of Study: Major
Undergraduate Advising Head: Joseph Cunningham
781-736-3304, email: cunningham@brandeis.edu

Develop a solid background in the scientific method as well as to develop a strong foundation in the fundamentals of psychology. The psychology program examines the most current psychological research and theory comprehensively and provides opportunities for direct involvement in psychological research and application. The curriculum prepares students for graduate study in clinical psychology and other helping professions as well as other areas of the field. Psychology majors seek careers in universities, school, government, law, business, and hospitals. We provide opportunities for experiential learning in labs and internship settings.

The faculty conducts research in diverse areas that include normal and abnormal development; social interactions, spatial orientation, perception, memory, lifespan development, aging, emotion, culture, and effects of brain damage.

If you have AP credit in Psychology, you may wish to consider one of our content courses in Groups I or II.

Recommended Courses: Fall

Introduction to Psychology (PSYC 1a)

is a general survey of the research methods and content of psychology. Topics include brain and behavior, perception, cognitive processes, human development, social behavior, and abnormal behavior.

Recommended Courses: Spring

PSYC 1a is also offered in the spring.

Program for Religious Studies

www.brandeis.edu/programs/religious

Course of Study: Minor

Undergraduate Advising Head: Patricia Johnston

781-736-2182, email: johnston@brandeis.edu

Deepen your understanding of religion and its manifestations through different methodologies and disciplines with the Religious Studies Program. The program offers courses in religious thought, ritual, culture, institutions, spirituality, and sacred texts, often in historical and comparative contexts.

Brandeis, with its commitment to the wide range of religious and ethnic backgrounds in its student body provides a supportive context for examining religion with open-minded curiosity and sympathetic understanding.

Recommended Courses: Fall

Introduction to World Religions (REL 107a) This course serves as an introduction to the study of religion; it surveys some of the major religions of the world.

Recommended Courses: Spring**Chinese Religion and Thought: Understanding Confucianism and Daoism (Taoism)(REL 161a)**

This course aims at widening and deepening students' knowledge of world religions by introducing to them distinctive Chinese religions and schools of thought with emphasis on two most significant ones, namely, Confucianism and Taoism. Usually offered every second year.

Romance Studies

www.brandeis.edu/departments/ROMS

French and Francophone Studies

Course of Study: Major, Minor

Undergraduate Advising Head: Jane Hale

781-736-3216, email: jhale@brandeis.edu

Hispanic Studies

Course of Study: Major, Minor

Undergraduate Advising Head: Dian Fox

781-736-3203, email: fox@brandeis.edu

Italian Studies

Course of Study: Major, Minor

Undergraduate Advising Head: Richard Lansing

781-736-3226, email: lansing@brandeis.edu

Romance Language Program

French, Italian, and Spanish

Director of Language Program: Hollie Harder

781-736-3195, email: harder@brandeis.edu

French and Francophone Studies

The French and Francophone Studies program opens students to the geographical diversity and cultural richness of France and the French-speaking world. The intellectual, artistic, historical, and cultural developments of France and the French-speaking parts of the world have played an extremely important role in the creation of modern day civilization. Our curriculum is designed to bring students an understanding of this complex and exciting world at the same time that it teaches them to express themselves clearly and effectively in written and oral French.

For information about courses on French and Francophone literature, culture, and film (numbered 110 and above), please contact Ms. Hale.

For information about courses on French and Francophone language and culture (numbered 10-106), please contact Ms. Harder. Before enrolling in a language and culture course, students should determine their level by taking the online placement exam (www.brandeis.edu/registrar/newstudent) or by contacting Ms. Harder.

Hispanic Studies

The program in Hispanic studies promotes not only communication skills, but also an understanding of the various cultural contexts through interdisciplinary explorations of texts. Literature, film, history, politics, gender studies, among other topics, lead to a broad understanding of issues facing Hispanic communities at home and abroad.

For information about courses on literature, culture, and film in Spain and Latin America (numbered 109 and above), please contact Ms. Fox.

For information about courses on Hispanic language and culture (numbered 10-108), please contact Ms. Harder. Before enrolling in a language and culture course, students should determine their level by taking the online placement exam (www.brandeis.edu/registrar/newstudent) or by contacting Ms. Harder.

Italian Studies

Italian Studies provides an interdisciplinary major and a minor for those who wish to extend their study beyond language to areas of Italian literature, history, film, art history, and music. The study of Italian within a variety of cultural contexts enables students to deepen their understanding of a national

heritage beyond the boundaries of a single time frame, region, gender, genre, or academic discipline. Students are encouraged to study abroad in their junior year and to take advantage of resources within the Boston Area Consortium (Boston College, Boston University, Tufts University, and Wellesley College).

For courses on literature, culture, and film in Italy (numbered 110 and above), please contact Mr. Lansing.

For information about courses on Italian language and culture (numbered 10-106), please contact Ms. Harder. Before enrolling in a language and culture course, students should determine their level by taking the online placement exam (www.brandeis.edu/registrar/newstudent) or by contacting Ms. Harder.

Russian and East European Studies

See German, Russian and Asian Languages and Literature.

Russian Language and Literature

See German, Russian, and Asian Languages and Literature.

Social Justice and Social Policy

www.brandeis.edu/programs/interdepartmental/sjsp/
Course of Study: Minor

Undergraduate Advising Head: David Cunningham
781-736-2633, email: dcunning@brandeis.edu

The program in Social Justice and Social Policy (SJSP) provides a common place for students in all disciplines to engage with issues of justice and equity from historical, philosophical, and comparative perspectives. By bringing together an unusually broad spectrum of faculty and courses – combining the academic perspectives of Arts and Sciences departments with professional expertise from the Heller School for Social Policy and Management – the SJSP curriculum examines the essential connections between social values and practical policies.

Students interested in pursuing justice-related internship experiences should contact Prof. Melissa Stimell (stimell@brandeis.edu). The program's internship-based course, SJSP 89a, is offered each fall semester.

Recommended Courses: Fall

Wealth and Poverty (HS 110a) Examines why the gap between richer and poorer citizens appears to be widening in the United States and elsewhere, what

could be done to reverse this trend, and how the widening disparity affects major issues of public policy.

Sociology of Disability (HSSP 192b) In the latter half of the twentieth century, disability has emerged as an important social-political-economic-medical issue, with its own distinct history, characterized as a shift from "good will to civil rights." Traces that history and the way people with disabilities are seen and unseen, and see themselves.

Health, Community, and Society (SOC 191a) An exploration into interrelationships among society, health, and disease, emphasizing the social causes and experience of illness.

Recommended Courses: Spring

Protest, Politics, and Change: Social Movements (SOC 155b) Utilizes case studies of actual movements to examine a variety of approaches to contentious politics. Covers collective behavior, resource mobilization, rational choice, and newer interactive models. Usually offered every second year.

Law and Social Welfare: Citizen Rights and Government Responsibilities (LGLS 121b) Should U.S. welfare policy protect those in need and should the government have the responsibility to do so? Explores the legal implications of recent debates and changes in social welfare policy at federal and state levels, concentrating on welfare reform, child welfare, and disability welfare. Examines statutes, landmark cases, historical literature, and their practical effect on the individual in order to challenge the assumptions underlying our policy and to create better solutions. Usually offered every second year.

Patient Autonomy: Law, Medicine, and Ethics (LGLS 131b) Examines how decisions are made to treat critically ill patients. Ethical and philosophical aspects of the physician-patient relationship, the doctrine of informed consent, "medical futility," "physician-assisted suicide," and "right-to-die" cases will be explored. Usually offered every second year.

Sociology

www.brandeis.edu/departments/sociology
Course of Study: Major
Undergraduate Advising Head: Laura Miller
781-736-2643, email: lamiller@brandeis.edu

Acquire the skills for understanding a broad array of institutions and cultures, from the everyday level of interpersonal and community interaction to large-scale political and social systems and public policies. The sociology department engages students as active learners while encouraging them to develop knowledge that can make a difference in the world, including the potential for leadership development and action for social justice.

A degree in Sociology prepares students for a wide array of careers in human services, education, law, health, public service, social change organizations.

Recommended Courses: Fall

Social Theory and Contemporary Society (SOC 3b)

Provides an introduction to social theory and ways that core sociological concepts are used to understand social interaction, social problems, and social change. Students read classic works including, Durkheim, Marx, Weber, and Mead, as well as more recent empirical studies. Usually offered every second year.

Political Sociology (SOC 111a) Social and institutional bases of public life (social capital, interest groups, movements, communities, parties, urban regimes) and relationships to politics and policy at local and national levels.

Civic Environmentalism (SOC 175b)

Environmental movement organizations and strategies. Community-based and civic approaches to environmental problem solving. Case studies drawn from watersheds, forests, ecosystem restoration, environmental justice, campus ecology, and the greening of industry.

Sociology of Body and Health (SOC 189a) Explores theoretical considerations of the body as a cultural phenomenon intersecting with health, healing, illness, disease, and medicine. Focuses on how gender, race, class, religion, and other dimensions of social organization shape individual experiences and opportunities for agency and resistance.

Recommended Courses: Spring

Order and Change in Society (SOC 1a) An introduction to the sociological perspective, with an emphasis on an analysis of problems of social order and change. Topics include gender, work and family, poverty and inequality, race and ethnicity, democracy, social movements, community, and education.

Sociology of Education (SOC 104a) Examines the role of education in society, including pedagogy, school systems, teacher organizations, parental involvement, community contexts, as well as issues of class, race, and gender.

Issues in Law and Society (SOC 106a) An interdisciplinary approach to the study of crime and punishment. Analyzes theories and empirical research and methodology around a number of problem areas in the criminal justice system, with special attention paid to street violence, domestic violence, the courts, the prisons, the different therapeutic systems, and the dilemmas of social and legal justice.

Families (SOC 130a) Investigates changes in the character of American families over the last two centuries. A central concern will be the dynamic interactions among economic, cultural, political, and social forces, and how they shape and are reshaped by families over time. Particular attention is paid to how experiences of men and women vary by class, race, and ethnicity.

Organizations and Social Change (SOC 147a)

Innovation and change in school systems, social services, corporations, nonprofits, federal agencies, and police. Dynamics of democratic, feminist, multicultural, and community organizations. May be combined with internships and action research.

South Asian Studies

www.brandeis.edu/globalbrandeis/regions/s-asia.html

Course of Study: Minor

Undergraduate Advising Head: Harleen Singh
781-736-8485, email: harleen@brandeis.edu

The South Asian Studies program provides a minor (open to students in any major) for those who wish to structure their studies of South Asia or the South Asian diaspora. The minor offers an interdisciplinary approach to understanding the literatures, histories, societies, cultures, religions, arts and contemporary importance of South Asia and diasporic South Asian communities. South Asia, one of the world's most populous and significant regions, includes the modern nations of India, Pakistan, Bangladesh, Sri Lanka, Nepal, Bhutan, and in certain contexts Afghanistan, Maldives, Myanmar and Tibet. Students completing the minor will come away with a strong understanding of the intellectual, cultural, political, economic and social developments at several key periods in South Asia's history and in the contemporary era.

Recommended Courses:

Filmi Fictions (ENG 22a) From Page to Screen
An introduction to filmic adaptations of Indian novels from Bollywood, Indian art cinema, and Hollywood. Readings include novels as well as theoretical approaches to adaptation. Films include *Slumdog Millionaire*, *Pather Panchali*, *Devdas*, *Guide*, *Umrao Jaan*, and others.

Introduction to South Asia (SAS 100a) An exploration of the history, societies, cultures, religions, and literature of South Asia--India, Afghanistan, Bangladesh, Bhutan, Nepal, Pakistan, and Sri Lanka. Uses perspectives from history, anthropology, literature, and film to examine past and contemporary life in South Asia.

Spanish Language and Literature

See Romance Studies

Theater Arts

www.brandeis.edu/theater

Course of Study: Major, Minor

Undergraduate Advising Head: Elizabeth Terry
781-736-3348, email: lterry@brandeis.edu

Explore the areas of academic study of theater (theater history, dramatic literature, criticism, and theory), as well as a full range of courses in performance and production (acting, voice and speech, movement, playwriting, design, technical theater, and state management). After taking a small core of required courses, theater arts majors may select their electives to tailor their study to fit their own special interests and needs.

Note: THA 2a is a prerequisite for all theater arts courses.

Recommended Courses: Fall

Introduction to Theater: From the Page to the Stage (THA 2a) An introduction to and an investigation of theater in its many aspects. Designed to acquaint the student with the theatrical elements of production and performance and to familiarize the student with the role of artist and audience.

Acting I (THA 4a) A beginning-level course incorporating theater games, improvisations, various movement techniques, relaxation, and vocal release work to open and expand the possibilities of vocal and physical expressiveness. The goal is to liberate the creative imagination, free the student to interact spontaneously with others, and develop relationships with the ensemble.

Theater Practicum (THA 41a) A hands-on production course, providing exposure to and experience in the practical aspects of theater production. Under professional direction, students develop a working knowledge of a specific theatrical area and learn how all areas come together in creating theater. Students work as crew members for the Brandeis Theater Company.

Theater Texts and Theory I (THA 100a) The evolution of Western drama from its ritual origins through the mid-eighteenth century. Greek tragedy, Roman comedy, medieval drama, Italian humanism, Spanish Golden Age comedias, and French neoclassicism. Attention paid to theater history, dramatic theory, and performance.

Recommended Courses: Spring

Acting I (THA 4a) A beginning-level course incorporating theater games, improvisations, various movement techniques, relaxation, and vocal release work to open and expand the possibilities of vocal and physical expressiveness. The goal is to liberate the creative imagination, free the student to interact spontaneously with others, and develop relationships with the ensemble.

Fundamentals of Lighting (THA 52b)

A hands-on investigation of the hardware and software of lighting design, the functions and use of stage lighting equipment, computer lighting consoles, design software, and production paperwork. Basic electrical theory and safety considerations concerning rigging, focusing, and power distribution will also be discussed.

Women's and Gender Studies

www.brandeis.edu/wgs

Course of Study: Major, Minor

Undergraduate Advising Head: Dian Fox
781-736-3203, email: fox@brandeis.edu

Women's and gender studies draws on the humanities, arts, social and biological sciences to explore the broad range of intellectual questions raised by the social positions of women. The curriculum brings students into contact with the extensive research on women, gender, and feminism that has burgeoned during the past thirty years as well as with historical and cross-cultural knowledge that recognizes the intersections of gender with race, class, religion, sexuality, ethnicity, age, ability, and nationality.

Recommended Courses:

Women and Gender in Culture and Society

(WMGS 5a) This interdisciplinary course introduces central concepts and topics in the field of women's and gender studies. Explores the position of women in diverse settings and the impact of gender as a social, cultural, and intellectual category in the United States and around the globe. Asks how gendered institutions, behaviors, and representations have been configured in the past and function in the present, and also examines the ways in which gender intersects with many other vectors of identity and circumstance in forming human affairs.

WMGS 5a is also offered in the spring.

Yiddish

www.brandeis.edu/departments/nejs/
Undergraduate Advising Head: Ellen Kellman
See Near East & Judaic Studies