Class of 2009 and earlier
A Penn education comprises two main components: a structured set of electives chosen from a variety of fields and a set of courses concentrated in a major. Electives provide considerable freedom to explore academic interests and yet are structured to ensure a broad education across the arts and sciences. The major enables students to explore one field more comprehensively and in greater depth. Each of these components contributes to the whole of a student’s education and should not be thought of in isolation from the other. Students are well advised to work toward shaping a roster of courses into an integrated and coherent educational plan. One strategy is to consider taking a Writing Requirement course that complements the General Requirement History and Tradition course, a Formal Reasoning and Analysis course that is related to one of the science courses, a Language course that supports the Arts and Letters selection and so forth.

**General Requirement**

The General Requirement is the general education requirement of the College at Penn. The General Requirement has two chief objectives. It is designed to ensure the breadth of knowledge essential to the educated inhabitant of a complex world. It is also designed to expose students to the variety of disciplines and approaches to knowledge pursued in the modern university early enough in their courses of study to help them make informed choices about their majors and the rest of their studies. To fulfill these objectives, the faculty of the School of Arts and Sciences has organized courses offered through the College under the seven sectors below.

In each of these areas, courses that are best suited to introduce students to the methods and contents are designated as “General Requirement” courses. These divisions do not necessarily reflect the departmental organization of the School. Rather, they reflect the faculty’s collective judgment about a useful and informative way to organize the great variety of humankind’s intellectual and social accomplishments to the present time and the many ways in which human beings interact with their ever-expanding environment. The classification of General Requirement courses thus cuts across departmental lines in many cases, reflecting the complexity of knowledge in the modern world.

The General Requirement is not the only means by which faculty members of the School of Arts and Sciences help to guide students through the curriculum. Students should also think about the requirements and recommendations of majors that interest them as early as possible in their college careers in order to arrive at well-balanced programs of study.

**Sector I: Society**

The structure and organizing principles of contemporary human societies, including their psychological and cultural dimensions, as well as their economic, social, political and ethical foundations.

Courses in this sector use many analytical techniques that have been developed to study contemporary society, with its complex relations between individuals and larger forms of mass participation (markets, civil society, nations, supranational organizations and so on). Courses in this sector focus on economics, sociology, political science, cultural anthropology, demography, social psychology and moral and political philosophy.

**Sector II: History and Tradition**

The continuity and change in human thought, belief and action.

Courses in this sector introduce students to the study and interpretation of the history of individual and collective thought and action in human civilizations. Subjects include social, political and cultural history, as well as the history of forms of human expression such as folklore, religion and philosophy. (Those forms of expression studied in the Arts and Letters sector are excluded.) All courses require extensive reading of primary sources and stress interpretive writing.

**Sector III: Arts and Letters**

Means and meaning of art, literature and music.

The Arts and Letters sector encompasses the visual arts, literature and music, together with the criticism surrounding them. Most courses are concerned with works of the imagination—paintings, films, poetry, fiction, theatre, dance and music. They generally address a considerable breadth of material rather than an individual work or artist.

**Sector IV: Formal Reasoning and Analysis**

The formal structure of human thought, including its linguistic, logical and mathematical constituents.

These courses emphasize mathematical and logical thinking, including quantitative reasoning and reasoning about formal structures and their application to the investigation of real-world phenomena. In addition to courses in mathematics, this sector includes courses in computer science, formal linguistics, symbolic logic, statistics and decision theory.

**Sector V: The Living World**

The evolution, development and function of living systems.

Courses in this sector cover the variety of approaches that are useful in understanding living organisms, ranging from analyses at the molecular and cellular level to analyses of evolution and adaptation to environments. Students learn the methods used by contemporary natural science to study these topics, including ways in which hypotheses are developed, tested and reformulated in the light of ever-increasing research findings. A full understanding of living organisms incorporates insights from approaches at many different levels. Some Living World courses provide an overview or survey of a broad topic, while others exemplify the basic principles with more focused coverage of a specific topic.
Sector VI: The Physical World

The methodology and concepts of physical science.

Courses in this sector aim to provide insight into the content and workings of modern physical science in such fields as physics, chemistry, geology, environmental studies, and astronomy. The courses are divided into those that are part of a major and those that are designed primarily to provide an introduction to a field for non-science majors. Courses for non-science majors include some discussion of the historical development of the subject as well as the most important conceptual notions and their mathematical expressions. All courses in this sector seek to demonstrate the generally accepted paradigm of modern science: experiment and observation suggest mathematically formulated theories, which are then tested by comparison with new experiments and observations.

Sector VII: Science Studies

Scientific thought and practice in their cultural, historical and philosophical contexts.

Science is not only a group of specialized scholarly disciplines, but is also one of the most important activities of our culture in the form of pure research as well as medicine and technology. Courses in Science Studies investigate science itself from a variety of viewpoints. The sector emphasizes the social, historical and philosophical aspects of science and scientific institutions, medicine and technology and draws on courses in the natural and social sciences as well as the humanities.

Foreign Language Requirement

The faculty of Arts and Sciences considers competence in a foreign language essential for an educated person. Participation in the global community is predicated on the ability to understand and appreciate cultural difference, and nothing brings this more sharply into focus than the experience of learning a foreign language. The foreign language not only affords unique access to a different culture and its ways of life and thought; it also increases awareness of one’s own language and culture. For these reasons, the College of Arts and Sciences sets forth a Foreign Language Requirement.

Penn is immensely proud of its language programs, the variety that they offer, and the results that students achieve in them. The Foreign Language Requirement should be considered as a clear expression of this University’s realization that effective modes of communication will be increasingly important in the 21st century.

Quantitative Data Analysis Requirement

In contemporary society, citizenship, work and personal decision-making all require sophisticated thinking about quantitative evidence. To ensure that graduates are equipped with appropriate skills, students in the College complete a course that uses mathematical or statistical analysis of quantitative data as an important method for understanding another subject. Through such study, students learn to think critically about quantitative data and the inferences that can be drawn from these data. They also gain experience with the use of quantitative analysis to interpret empirical data and to test hypotheses.

Courses in calculus and computer science do not fulfill the requirement because these courses do not require students to analyze actual data sets with the goal of evaluating hypotheses or interpreting results. To count toward the Quantitative Data Analysis Requirement, a course must include such data analysis.

Writing Requirement

Before Benjamin Franklin wrote out the story of his early life in his Autobiography, he made writing the center of his vision of a liberal arts education in his Proposals Relating to the Education of Youth in Pennsylvania (1749). There, he imagined communities of students writing and practicing not only for tutors but also for one another, reading the writings of others and making works of their own. At Penn two and a half centuries later, writing plays an even more central role within the curriculum. As the medium within which scholars create knowledge and communicate their findings to others, it literally constitutes their ideas. A considerable portion of a student’s intellectual work at Penn, therefore, will be written work, and this writing will often be the primary medium through which the quality of the student’s thinking and ideas will be judged.

For these reasons, Penn requires students to take at least one course in writing and encourages them to fulfill the Writing Requirement in their first year of study. Good writing instruction will equip students to write within the University and across a range of academic disciplines. Ideally writing will become a foundation of their professional and personal lives outside of the University, a means of providing clarity and of challenging others to see beyond themselves.

Free Electives

Free Electives provide students with the freedom to explore new fields of knowledge, to take additional work in the field of their special interest, or to study further with a particular instructor. Above all, they provide the breadth associated with a liberal education, just as the major program provides depth.

The Major
A major program offers the student an opportunity to explore in depth the methodology and goals of a given field. It provides a focus for his or her intellectual interests, and it may well constitute a building block for a career or for entry into graduate or professional school. Great care should be taken in choosing a major. Students are strongly advised to seek the help of their academic advisors and of individual faculty members in making this choice. Most major programs consist of major courses and major-related courses. The latter are courses taken in other departments or programs that have a bearing on the major in question and count as major courses.
Regulations Governing Requirements

Degree Requirements

The curriculum for the degree of Bachelor of Arts normally consists of a major program and a structured set of electives. Electives are taken in five categories:

- The General Requirement
- The Foreign Language Requirement
- The Quantitative Data Analysis Requirement
- The Writing Requirement
- Free Electives

Students normally take 4 or 5 course units (c.u.) per semester. The total number of c.u. required to complete a major varies from major to major but is never less than 12 (page 67). In addition to the major, a student must normally complete 20 electives.

The total number of credits needed for graduation therefore varies between 32 and 36 c.u. depending upon the sum of courses required in the major and the electives. No student is required to complete more than 36 c.u. for graduation. Students whose majors require more than 16 courses may take correspondingly fewer electives. Students may take additional courses if they wish, and many do.

The General Requirement

The departments and the faculty of the School of Arts and Sciences (and of other Schools offering undergraduate courses in the College), in consultation with the standing General Requirement Committee, have designated those courses best suited, by virtue of their breadth of content or approach, to introduce students to the many disciplines studied in the contemporary university as “General Requirement” courses. In addition to meeting the objectives of breadth of content and approach, courses included under this heading must not have prerequisites and are therefore open to all entering students in the College. (The only exceptions are when both the course and its prerequisite are General Requirement courses, as in the case of certain two-course sequences in the formal and natural sciences.) Further, all General Requirement courses must be offered regularly and must ordinarily be taught by members of the standing faculty of the School. Many other courses offered by the School that fall into the first three Sectors, but which may be narrower in focus or more advanced than General Requirement courses, are designated as “Distributional” courses. Both General Requirement courses and Distributional courses are designated as such in their individual listings in the Course Timetable, which is published before each advance registration period, and the Course and Room Roster, which is available on-line.

Courses fulfilling the General Requirement are divided into the following sectors:

- Sector I: Society
- Sector II: History and Tradition
- Sector III: Arts and Letters
- Sector IV: Formal Reasoning and Analysis
- Sector V: The Living World
- Sector VI: The Physical World
- Sector VII: Science Studies

The Rules of the General Requirement are as follows:

- The General Requirement requires each student in the College to take a total of ten courses: two in each of Sectors I, II and III; one in each of Sectors IV, V and VI; and one additional course in Sector IV, V, VI or VII.

- In Sectors I, II and III, students may substitute one Distributional course for one of the two General Requirement courses. This allows students greater flexibility in pursuing more advanced work within or outside of their majors. However, one course in each of these Sectors must always be a General Requirement course.

- In order to meet the General Requirement’s objective of introducing students to a variety of disciplines while they are still choosing their majors, at least six courses satisfying the General Requirement should be completed in the first two years of study, unless this is precluded by a student’s major requirements. These six courses should include at least one General Requirement course in each of Sectors I, II, III, IV, V and VI.

- Freshman seminars count as General Requirement courses only when they are specific equivalents of General Requirement courses and are explicitly labeled as such. Other freshman seminars may be labeled as Distributional courses in Sectors I, II or III.

- Courses that satisfy the Writing Requirement cannot also be used to satisfy any sector of the General Requirement.

- All ten courses taken to satisfy the General Requirement must be taken for a letter grade, not pass/fail.

- Transfer credit, A.P. and study abroad courses can be counted toward the General Requirement only when departments certify that they are equivalent to specific courses at Penn (either specific General Requirement courses or specific Distributional courses). The list of departmental policies regarding A.P. credits is included in this publication (page 61). Credits not equated with specific courses at Penn can be given free credit and used toward majors or the Free Elective Requirement, but cannot be used toward the General Requirement.

- Courses may be used to satisfy both the General Requirement and the requirements of a major without restriction, but where courses are so used, additional Free Electives may be needed to attain the number of courses required to graduate.
The Foreign Language Requirement

Every student is required to attain competence in a foreign language. The determination of competence will vary from department to department and even from language group to language group within a department. The Language Requirement may be satisfied in a variety of ways at the discretion of the language group concerned:

• By passing an examination administered by the language group. In some instances, students will take the examination after completing 4 c.u. (or the equivalent) of study.
• By obtaining a passing grade, after 4 c.u. of study (or the equivalent), in those languages where satisfaction of the language requirement is not based on an examination.
• By exemption from the Language Requirement as a result of achieving the required score on any of the following:
  - An advanced placement test administered in a foreign language by the Educational Testing Service (ETS)
  - An SAT II foreign language test administered by the ETS
  - A departmental placement test
  - The Cambridge O-level examination (at a grade deemed satisfactory by the language group), or
  - In the case of a bilingual student, a special test given by the appropriate department.

It is the student's responsibility to learn how the requirement is satisfied in the language group selected. It is highly recommended that students take steps to satisfy the language requirement as early as possible in their academic careers.

Students who are placed in an intermediate or advanced language course on entrance to the University may not receive credit for a lower-level course in the same language. Students are placed in first- or second-year language courses in one of two ways:

• The amount of work they have had in high school and their score on the SAT II language test (if this test has been presented in fulfillment of admission requirements), or
• Through a placement test administered by the language department concerned. Students wishing to qualify in a modern language other than those described on page 16 or which are not offered by the University should consult the Penn Language Center.

Students should complete the Language Requirement by the end of their fourth semester, or earlier in the case of those who place into courses beyond the first level. Those who seek to fulfill the requirement by taking courses must normally begin in the first semester. Students should be aware that some languages, such as Latin or Arabic, offer beginning and intermediate courses in fall-spring sequences, so that, for example, the first-semester course in that language can only be taken in the fall semester. Once students begin their language study, they are expected to continue through the sequence of courses until they have satisfied the department's criteria of a high level of competence. Foreign language courses taken to fulfill the Foreign Language Requirement must be taken for a grade; that is, they may not be taken on a pass/fail basis.

Exemptions from the Language Requirement

Students who have a documented disability that precludes learning a foreign language may petition the Committee on Undergraduate Academic Standing for an exemption from the Language Requirement. Students considering petitioning should see Dr. Alice Kelley in the College Office before assembling their dossier. Such petitions must be initiated by the end of the first semester of the sophomore year. If the petition is granted, the student will be obliged to fulfill an alternative requirement, which will be formulated on a case-by-case basis. This requirement is intended to provide a balance between a theoretical understanding of foreign languages and cultures and a more intimate acquaintance with life in a foreign society as revealed through its literature and civilization.

Quantitative Data Analysis Requirement

All students in the College are required to complete a course that uses mathematical or statistical analysis of quantitative data as an important method for understanding another subject. To satisfy this requirement, students must take one of the designated Quantitative Data Analysis Courses. A course used to satisfy the Quantitative Data Analysis Requirement may also be used to satisfy the General Requirement and/or Major Requirements. Any course taken for the Quantitative Data Analysis Requirement must be taken for a grade, not pass/fail. In order for the course to count for this requirement, the student must achieve a grade of C- or better. Transfer credit and A.P. credit may not be used.

A list of approved courses for this requirement may be found through http://www.college.upenn.edu/curriculum/requirements/quantitative.html.

Writing Requirement

Because writing instruction is central to its educational mission, the College has established the Writing Requirement. Please note that the Writing Requirement, as outlined below, is a minimum requirement. It is recommended that students take both a writing seminar by the end of freshman year and then one or more writing-intensive courses.

Students can fulfill the Writing Requirement in one of several ways:

• By taking one Critical Writing Seminar. Writing seminars are offered in a variety of departments and focus on the development of writing skills in the context of a particular discipline. Information about writing seminars is available on-line, in the Writing Program Brochure sent to
freshmen in the summer and in its spring supplement published in October.

• By enrolling in the year-long Collaboration and Research Writing Seminar. Designed for upperclassmen and focusing on their research writing projects, these seminars combine classroom and on-line writing instruction and collaboration. Students receive 1 c.u. upon successful completion of two semesters.

Courses that satisfy the Writing Requirement are so designated in the Course Timetable and the Course and Room Roster.

A course taken for the Writing Requirement must be taken for a grade; i.e., it may not be taken on a pass/fail basis. In order for a course to count toward the Writing Requirement, the student must receive a grade of C- or better. A.P. credit may not be used to satisfy the Writing Requirement. Writing seminars do not count toward the General Requirement.

Writing Seminars

All undergraduate students at Penn must fulfill their Writing Requirement through courses offered by the Critical Writing Program. Freshmen are encouraged to take a critical writing seminar during their first year, whenever possible. Seminars in the Critical Writing Program include:

Critical Writing Seminars

Various departments offer critical writing seminars, typically numbered 009, as in ENGL 009: Writing Seminar in Literature, or BIOL 009: Writing Seminar in Microbiology. Each writing seminar is discipline-based, exploring current topics and debates in its field as well as the writing styles and conventions of its discipline. One critical writing seminar will fulfill the Writing Requirement.

Writing-Intensive Freshman Seminars

Taught by faculty from across the University and open only to freshmen, these discipline-based seminars place a special emphasis on writing. They do not fulfill the General Requirement, but do fulfill the Writing Requirement.

English 125

These are writing seminars with various non-fiction topics designed for upperclassmen and exceptional freshmen. Freshmen are admitted by permission only (portfolio required). ENGL 125 fulfills the Writing Requirement.

English 135: Peer Tutor Introduction and Training

Open to qualified freshmen and sophomores only. Introduction, training, mentoring and fieldwork. Successful completion of coursework qualifies students for positions as peer tutors at Penn. Requires permission of instructor. Does not fulfill the Writing Requirement.

COLL 009: Collaboration and Research Writing

This is a year-long writing seminar designed for upperclassmen that focuses on their research writing projects. It combines classroom and on-line writing instruction and collaboration. Students receive 1 c.u. upon successful completion of two semesters. This seminar fulfills the Writing Requirement and may only be taken with the permission of the instructor.

ENGL 011: Writing for International Students

Designed for multilingual students who need practice reading and writing in English, and who wish to become more familiar with American college writing conventions. Fulfills the Writing Requirement.

For more on writing at Penn see the Writing Requirement on pages 46-47, the Creative Writing minor on page 73 and the Writing Center on page 32.

Free Electives

Free Electives are courses that are not applied to the primary major or toward any other College requirement. They present an opportunity for students to fill in some of the gaps in their knowledge and can be used to explore new domains outside a student's main area of focus. No more than eight Free Electives may be taken on a pass/fail basis. It is recommended that only four be taken pass/fail, with a maximum of one per semester.

The Major

http://www.college.upenn.edu/curriculum/major.html

Students should investigate carefully their potential major (pages 68-88). Prior to submitting an application to the major, it is important to read the latest pertinent information on the department or program's website, all of which can be accessed from the College web page above. Students should meet with their assigned academic advisors to discuss their overall program and then with the undergraduate chair or assigned major advisor designated to that department or program to plan their major. The minimum qualification for acceptance into a major program is a g.p.a. of 2.0 in those major and major-related courses that a student has already taken. Some majors require a higher average as well as specific coursework taken before the time of application.

The following basic regulations govern all major programs:

• Application to a major must be made by the second semester of the sophomore year prior to advance registration for the first semester of the junior year.

• The specific rules that govern each major are those in effect at the time the student declares the major. The most current major descriptions are posted on department websites.
• Students are usually assigned a major advisor at the time they are accepted into the major.

• Only the department or program in question can make exceptions to the regulations governing a major program.

• All courses taken for a major must be taken for a grade (i.e., they cannot be taken pass/fail).

• Only the department or program advisors determine which credits transferred from another institution can count toward the major at Penn.

• Students pursuing two majors must take at least 18 different course units in fulfillment of major requirements.

**Requirements for Graduation**

Seniors should refer to [http://www.college.upenn.edu/perspectives/seniors.html](http://www.college.upenn.edu/perspectives/seniors.html) for specific information on graduation including dates and procedures, but in general, to qualify for graduation, a student must:

• Fulfill all College and Major Requirements.

• Complete a minimum number of total credits (32 to 36 c.u., depending on the major).

• Be certified by the major department, interdepartmental committee or individualized major advisor as having met all requirements for the major.

• Meet the residency requirement (see below).

• Maintain a 2.0 overall grade point average, and a 2.0 (or better, depending on the department) in major courses.

• Clear all Incompletes, NR’s and GR’s from the transcript by the appropriate deadline (pages 50-51).

• Complete the on-line application for graduation. Seniors must adhere to a graduation schedule prepared each year by the College Office. A late fee will be charged for failure to apply by the date specified.

**Residency Requirement**

The value of the Penn experience lies not only in courses taken but also in participation in the life of the University community both in and out of the classroom. For this reason, at least four semesters of full-time study must be completed in Philadelphia while enrolled at the University of Pennsylvania. Also, students must be registered for their last two semesters at the University, including registration through its approved programs for study elsewhere. No student may graduate with a B.A. from the University of Pennsylvania unless he or she has completed at Penn at least one-half of the total number of required course units. He or she must also complete at Penn at least one-half of the courses required for his or her major.
The following courses have been designated as fulfilling the College's General Requirement in the sectors indicated. If you are fairly sure of your major, request a General Requirement course in that field or in one that is closely related. If you are interested in the sciences, you should take a course at the appropriate level and, in most cases, math as well. If you plan to study the social sciences, a course in history, political science, economics or sociology will be useful. (See pages 10 and 45 for additional information and regulations concerning the General Requirement.)

**Sector I: Society**

* **African Studies**
  - *Introduction to Africa AFST190/AFRC190/ANTH190/HIST190*

* **Africana Studies**
  - *Introduction to Afro-American Studies AFRC001/RELS007*

* **Anthropology**
  - *Introduction to Cultural Anthropology ANTH002*
  - Cultural Background To The Modern World ANTH004
  - *Becoming Human ANTH122*
  - Native Indian Peoples of North America ANTH221
  - World Ethnography ANTH242
  - Cultural Values in America ANTH252
  - Language and Culture ANTH280

* **Communication**
  - Introduction to Communication Behavior COMM125
  - *Introduction to Mass Media Behavior COMM130*

* **Economics**
  - *Introductory Economics: Micro ECON001*
  - *Introductory Economics: Macro ECON002*

* **German**
  - Metropolis: Culture of the City GRMN244/COML254/URBS244

* **History**
  - The Urban Crisis: American Cities Since WWII HIST153/URBS104
  - *American Capitalism HIST161*

* **Linguistics**
  - Introduction to Sociolinguistics LING102

* **Philosophy**
  - *Ethics PHIL002*
  - The Social Contract PHIL008/PPED008
  - Political Philosophy PHIL076
  - Philosophy of Law PHIL077

**Political Science**

- *Introduction to Political Science PSCI1001*
- Contemporary International Politics PSCI1050
- *Introduction to Comparative Politics PSCI110/PSCI112*
- *Introduction to American Politics PSCI130*

**Psychology**

- *Social Psychology PSY170*

**Religious Studies**

- Women and Religion RELS005/WSTD109
- *Religious Violence and Cults RELS006*
- *Religion and Secular Values RELS111*

**Science, Technology and Society**

- Technology and Society HSSC231
- Technology in America: Inventors, Engineers and Entrepreneurs HSSC221

**Sociology**

- *Introduction to Sociology SOCI1001*
- *Deviance and Social Control SOCI103*
- *The Family SOCI004/WSTD004*
- *American Society SOCI005*
- Race and Ethnic Relations SOCI006/AFRIC006/ASAM006
- *Population and Society SOCI007/WSTD007*
- Political Sociology SOCI008
- *Social Stratification SOCI010*
- Discrimination: Racial and Sexual Conflict SOCI122/AFRIC122/URBS114/WSTD114
- Sociology of Work SOCI117/WSTD117
- Sociology of Gender SOCI122/WSTD122
- *Criminology SOCI233*

**Urban Studies**

- The City URBS210/HIST210

**Women’s Studies**

- *Gender and Society WSTD002*

**Sector II: History and Tradition**

* **African Studies**
  - Africa to 1800 AFST075/AFRC075/HIST075
  - *Africa Since 1800 AFST076/AFRC076/HIST076*

* **Africana Studies**
  - Afro-American History 1550-1876 AFRIC176/HIST176
  - Afro-American History 1876-Present AFRIC177/HIST177

* **American History**
  - *Ancient Middle Eastern History and Civilization ANCH025/HIST025/NECL101*
  - *Ancient Greece ANCH026/HIST026*
  - Ancient Rome ANCH027/HIST027

Those courses marked with an asterisk (*) are slated to be offered during the fall 2005 semester.
Sector II: History and Tradition
(Continued from previous page)

Anthropology
* Introduction to Archaeology ANTH001
India: Ancient and Modern ANTH024/SAST024
American Civilization: The 20th Century ANTH102/
ANTH692/HIST118
Conquest and Culture of the American West ANTH109
* Origins and Cultures of Cities ANTH121/URBS101
The Barbarian Image ANTH130
Ancient Civilizations ANTH139/URBS139
Archaeological Evidence for the Origins of Culture ANTH163
Archaeology of the Mediterranean World ANTH234/CLST234/
ARCH234
Archaeology and Society in the Holy Land (4500-500 BCE) ANTH235/JWST251/NELC255/RELS215

Classical Studies
The Worlds of Late Antiquity CLST028/HIST028
Worlds Apart: Cultural Constructions of “East” and “West” CLST195/ANCH195/EALC005

East Asian Languages and Civilizations
* Introduction to Chinese Civilization EALC001
Korean Civilization EALC080
Introduction to Chinese Classical Thought EALC131

Folklore and Folklife
* Introduction to Folklore FOLK101
American Folklore FOLK201
Introduction to Afro-American Folklore FOLK203/AFRC203/
AFST213
Jewish Folklore FOLK280/COML283/JWST260/NELC258/
RELS221

History
* Europe in a Wider World: to 1559 HIST001
* Europe in a Wider World: 1559 to Present HIST002
The World 900 to 1750 HIST010/CLST010
The World From 1750 to Present HIST011
* History of the United States to 1865 HIST020
* United States History: 1865 to the Present HIST021
* The Evolution of Industrial Capitalism HIST107
History of Jewish Civilization II: The Middle Ages HIST140/
JWST157/NELC157
* History of Jewish Civilization III: The Modern Period
HIST141/JWST158/NELC033/RELS112
History of Jewish Civilization I: The Ancient Period HIST156/
JWST156/NELC031/RELS120
Civilization of the American South, 1607-1860 HIST170
Civilization of the American South, 1860 to Present HIST171

History of Art
Islamic Civilization and Its Visual Culture ARTH217

Jewish Studies
Themes in Jewish Tradition JWST100/NELC252/RELS129

Latin American Studies
* Latin American Survey 1 LTAM070/HIST070
Latin American Survey II LTAM071/HIST071

Linguistics
Introduction to Linguistics: Language Change LING110
* Writing Systems LING115

Near East Languages and Civilizations
Islamic History to 1517 NELO310/HIST147/RELS147
* History of the Middle East Since 1800 NELO311/HIST081
Myths and Religions of the Ancient World NELO46/
RELS014
* Land of the Pharaohs NELO62/AFST062
Introduction to the Middle East NELO102

Philosophy
* Introduction to Philosophy PHIL001
* History of Ancient Philosophy PHIL003
* History of Modern Philosophy PHIL004
Ancient Moral Philosophy PHIL211/CLST211

Political Science
* Political Theory: Plato to Aquinas PSCI180/CLST185
Modern Political Thought PSCI181

Religious Studies
Religions of Asia RELS001
* Religions of the West RELS002/JWST122

Science, Technology and Society
* Western Science, Magic and Religion HSSC025/HIST025/
RELS116
* Chinese Science and Medicine HSSC152/EALC035
African Medicine HSSC203/AFRC206/AFST204/HIST187

Slavic Languages
War and Representation RUSI193/COML150/HIST149
Balkan Slavs in Zone of Ethnic Change SLAV230/RUSS230/
HIST230

South Asia Studies
The Cultural Legacies of South Asia: Part 1 SAST001
* The Cultural Legacies of South Asia: Part II SAST002
Indian Philosophy: Themes, Methods and Western Responses
SAST03/PHILO50

Those courses marked with an asterisk (*) are slated to be offered during the fall 2005 semester.
Sector III: Arts and Letters

**Literature in English or in English Translation**

- The Adultery Novel In and Out of Russia RUSS125/COML27/WSTD125
- *Arabic Literary Heritage NELC233/COML215
- Chinese Fiction and Drama EALC122
- *Classics of the Western World I COML191
- Classics of the Western World II COML192
- The Devil's Pact in Literature, Music and Film GRMN256/COML241/FILM252
- *The Fantastic and the Uncanny in Literature GRMN242/COML126
- Folk Epic and Romance in Europe and Asia FOLK313/COML270
- Folk Narrative FOLK238/COML275
- *French Literature in Translation FREN250/COML272/ENGL286
- Great Books of Judaism NELC156/COML057/WSTD151/RELS027
- Great Story Collection FOLK241/COML193
- Heroes and Heroic Tradition CLST160/COML244
- Heroes, Minstrels, Knights-Epics and Lyrics of the Middle Ages GRMN246
- Indian Literature and the West SAST213/COML213
- *Introduction to Literature COML100
- Introduction to Literary Study ENGL100
- *Introduction to the Bible NELC150/WSTD150
- Literary Genres: Poetry ENGL013/AFCI014/ANTH238/COML102/ARTH141/WSTD103
- *Madness and Literature ENGL102/COML245/COML255
- Mann, Hesse, Kafka GRMN255
- *Masterpieces of Hispanic Literature SPAN250
- Masterworks of Medieval German Literature GRMN305
- The Medieval Reader ITAL310/COML100/WSTD310
- Modern Middle Eastern Literature NELC201/COML212
- Mythology CLST200/COML200
- Religion and Literature RELS003/COML242
- *Russian Literature to the 1870s RUSS145
- Russian Literature After 1870 RUSS155
- *Study of an Author ENGL101/FILM115/WSTD101
- *The Twentieth Century ENGL104
- The “Whodunit” from Oedipus to Columbo COML250
- Yiddish in Eastern Europe GRMN265/GRMN365/WSTD265

**Non-English Literature in the Original Language**

- Introduction to German Literature GRMN216
- *Perspectives in French Literature: Love FREN221
- Perspectives in French Literature: The Individual in Society FREN222
- Perspectives in Italian Literature: Love and Women ITAL221
- Perspectives in Italian Literature: Modern Literature and Literary Analysis ITAL222
- Perspectives in Latin American Literature: Colonial Period to 19th Century SPAN223/LATAM223
- Perspectives in Latin American Literature: The 20th Century SPAN224
- Perspectives in Spanish Literature: Middle Ages to 19th Century SPAN221
- Perspectives in Spanish Literature: Mid 19th Century to Present SPAN222
- Studies in Hebrew Bible HEBR250/COML228/JWST236/RELS220
- *Studies in Modern Hebrew Literature HEBR259/COML266/JWST259
- *Studies in Rabbinic Literature HEBR257/JWST257/RELS226
- Studies of Medieval Hebrew Literature HEBR258/FOLK238/RELS228

**Visual and Performing Arts**

- Ancient Theater CLST141/COML264/ARTH141
- *Architect and History ARTH101
- *Art and Civilization in East Asia EALC013/ARTH103
- *European Art and Civilization Before 1400 ARTH101
- European Art and Civilization After 1400 ARTH102
- *Film History ENGL091/FILM101/ARTH108
- Folk Art FOLK250
- German Cinema GRMN258/COML270/FILM258
- History of Music: 17th and 18th Century MUSC122
- History of Music: 19th Century MUSC123
- History of Music: 20th Century MUSC124
- History of Western Music 1 (Middle Ages) MUSC120
- History of Western Music 2 (Renaissance) MUSC121
- *Introduction to Film Forms and Contexts COMM140
- Introduction to Italian Cinema ITAL108/COML080
- *Introduction to the History of Music MUSC021
- *Introduction to Theatre Arts ARTH100
- The Rise of Modern Visual Media ARTH102
- Western Drama ARTH110
- *World Musics and Cultures MUSC050/ARTS050/FOLK202

**Criticism, Theory and Comparison of the Arts**

- *Aesthetics PHIL080
- Anthropology of Music MUSC155
- Conflicts in Interpretation RELS004/COML279
- The Fiction of Fiction COML125
- *Introduction to Language: Language Structure and Verbal Art LING103
- Philosophy and Literature PHIL081/GENH205
- Science and Literature HUMC110
- The Sociology of American Popular Culture SOCI229/FOLK231
- *Sociology of Popular Culture SOCI137

Those courses marked with an asterisk (*) are slated to be offered during the fall 2005 semester.
Sector IV: Formal Reasoning and Analysis

**Anthropology**
Quantitative Analysis of Anthropological Data ANTH454

**Computer Science and Engineering**
* Introduction to Computer Science CSE101
* Introduction to Computing CSE140
* Programming Languages and Techniques I CSE120
* Introduction to Cognitive Science CSE140/PHILO44/LING105/PSYC107

**Linguistics**
Information and Reasoning LING032
* Introduction to Formal Linguistics LING106

**Mathematics**
* Introduction to Calculus MATH103
* Calculus, Part I MATH104
* Calculus, Part II MATH114
* Calculus, Part II with Probability and Matrices MATH115
* Ideas in Math MATH170

**Music**
* Music Theory and Musicianship MUSC070

**Philosophy**
Formal Logic PHIL005

**Psychology**
* Probability and Statistics PSYC020
Thinking and Decisions PSYC153

**Sociology**
* Social Statistics SOCI120/AFRC120

**Statistics**
* Introduction to Statistics I STAT111
* Introduction to Statistics II STAT112

Sector V: The Living World

**Anthropology**
* Introduction to Physical Anthropology ANTH003
Human Adaptation ANTH105
Human Biological and Cultural Evolution ANTH106/AFST004
Human Sexuality from an Anthropological Perspective ANTH107
Human Origins (Summer Study, Université de Bordeaux) ANTH145
Evolution of the Brain ANTH179
* Human Biology ANTH243
Evolution of Behavior ANTH244

**Biology**
* What Every Lawyer, Businessman and Citizen Needs to Know about Molecular Biology BIOLO03
* Killer Viruses BIOLO05
Human Biology BIOLO06
Sex Differences: Behavior, Biology and Evolution BIOLO07/BIBB07
* Human Reproduction and Sex Differences BIOLO08/WSTD008

Conservation Biology BIOLO10
An Introduction to Microbiology and Human Biochemistry BIOLO42
Introductory Biology for the Major (A.P. only) BIOLO91
* Introduction to Biology I BIOLO101
* Introduction to Biology II BIOLO102
* The Molecular Biology of Life BIOLO121
Introduction to Biology: The Design and Function of Living Systems BIOLO122
Biology of Dinosaurs BIOLO30
* Contemporary Humans and the Environment BIOLO40

**Linguistics**
* Introduction to Linguistics LING001
Language and Cognition LING058

**Psychology**
* Introduction to Experimental Psychology PSYC001
* Introduction to Brain and Behavior PSYC109/BIBB109/BIOLO313
* Perception PSYC111
Biological Psychology of Motivation PSYC127/BIBB227
* Animal Behavior PSYC313/BIBB231/BIOLO231
Physiological Psychology PSYC143
* Abnormal Psychology PSYC162
* Developmental Psychology PSYC180

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## Sector VI: The Physical World

### A. Introductory Courses in Major and Pre-Professional Programs

**Astronomy**
- *Introduction to Astrophysics* 
  **ASTR**
- Introduction to Astrophysics II ASTR102

**Chemistry**
- *Introduction to Chemistry* CHEM101
- *Structural Biology* CHEM222
- *General Chemistry* CHEM102

**Environmental Studies**
- *Introduction to Environmental Analysis* ENVS200

**Geology**
- *Introduction to Geology* GEO100
- *Oceanography* GEO130

**Physics and Astronomy**
- *Physics for Architects* PHYS108
- *Physics for Architects II* PHYS109
- *General Physics: Mechanics, Heat and Sound* PHYS101
- *General Physics: Electromagnetism, Optics and Modern Physics* PHYS102
- *Principles of Physics: Mechanics and Wave Motion* PHYS150
- *Principles of Physics: Electromagnetism and Radiation* PHYS151
- *Honors Physics I* PHYS170
- Honors Physics II PHYS171

### B. Introductory Courses for Non-Majors

- *The Big Bang and Beyond* ASTR007
- Chemistry and Society CHEM101
- *Earth and Life Through Time* GEO125
- Environmental Chemistry CHEM102
- Evolution of the Physical World GEO103/PHYS003
- Galaxies and Universes ASTR005
- *Life in the Universe* ASTR006
- Natural Disturbances and Human Disasters GEO103
- Observational Astronomy ASTR150
- Our Planet, Earth GEO101
- Physics of Music PHYS201
- *The Solar System* ASTR003
- Stars and Stellar Evolution ASTR104
- *Survey of the Universe* ASTR001
- Wave Phenomena and Radiation (A.P. only) PHYS006
- *The World of Physics* PHYS005

## Sector VII: Science Studies

**Benjamin Franklin Seminars (Medicine)**
- Infectious Diseases BFMD073.302
- Cancer BFMD073.303
- Obesity BFMD073.305

**College**
- *Origins and Meaning of Quantum Theory* COL102

**Computer Science and Engineering**
- Information Technology and Its Impact on Society CSE100

**Earth and Environmental Studies**
- *Crystals* ENVS097

**Geology**
- Mineral Economics GEOL204

**German**
- *Freud: The Invention of Psychoanalysis* GRMN253/HSOC253/HSSC253/WSTD252/COL102

**Health and Societies**
- *Health and Societies: Embracing the Global Context* HSCO10/HSSC10

**Philosophy**
- *Relativity: Space and Time* PHIL26
- *Introduction to the Philosophy of Science* PHIL225

**Physics and Astronomy**
- The Physicists PHYS107
- Understanding the Universe PHYS137

**Psychology**
- Human Nature: Classical and Modern Perspectives PSYCO30
- Theories of Personality PSYC164

**Science, Technology and Society**
- *The Emergence of Modern Science* HSSC001/HSOC001
- Biology and Society HSSC35/HSOC35/HIST035
- Science and Social Problems HSSC165
- Knowledge and Social Structure HSSC270

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