

# Stanford Introductory Seminars

*Participating Faculty:* Over 200 faculty from more than 60 departments take part in the Introductory Seminars programs. See the faculty listings internal to each department's listing in this bulletin for pertinent information.

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Stanford Introductory Seminars provide opportunities for first- and second-year students to work closely with faculty in an intimate and focused setting. These courses aim to intensify the intellectual experience of the freshman and sophomore years by allowing students to work with faculty members in a small-group setting; introducing students to the variety and richness of academic topics, methods, and issues which lie at the core of particular disciplines; and fostering a spirit of mentorship between faculty and students. See the Freshman and Sophomore Programs section in the Undergraduate Degrees and Programs portion of this bulletin for more information.

## COURSES

### SOPHOMORE COLLEGE

Sophomore College offers sophomores the opportunity to study intensively in small groups with Stanford faculty for several weeks before the beginning of Autumn Quarter. It is a chance for students to immerse themselves in a subject and collaborate with peers, upper-class sophomore assistants, and faculty in constructing a community of scholars. Students are also encouraged to explore the full range of Stanford's academic resources in workshops and individually. At its best, Sophomore College is characterized by an atmosphere of intense academic exploration. Each Sophomore College course enrolls 12 to 14 students, who live together in a Stanford residence and receive 2 units of academic credit for the work done in the course. Eligible students have been enrolled for no more than three academic quarters, have completed at least 36 units of academic work by the end of Spring Quarter, and are in good academic standing. Students must also have an on-campus housing assignment for the ensuing academic year. Transfer students are not eligible. Tuition, room, board, books, and class-required travel are covered by Sophomore College. Each student pays a \$400 fee toward the cost of board; this fee is included in the Autumn Quarter University bill. Students are also responsible for travel to campus, phone, one-time fee for network activation, and other personal expenses.

Courses for September 2004 are announced in March, and applications are due in April. For more information or to apply, see the Sophomore College course catalogue, published each March, or see the web site at <http://soco.stanford.edu/>. September 2003 courses are listed below.

### ANTHROPOLOGICAL SCIENCES

**SOPHCOLL 10SC. Darwin, Evolution, and Galápagos**—Lessons learned from the study of flora and fauna in Galápagos from Darwin's time to today. Topics include adaptation, sexual selection, speciation, and adaptive radiation. The special challenges the Galapagos Islands pose for conservation of fragile ecosystems.

*2 units (Durham)*

### BIOLOGICAL SCIENCES

**SOPHCOLL 10SC. Natural History, Marine Biology, and Research**—Introduction to the biology of Monterey Bay and the coastal mountains and redwood forests of Big Sur. Literary, artistic, and political history. Topics: conservation, sanctuary, and stewardship of the oceans and coastal lands. Meetings with conservationists, authors, environmentalists, politicians, land-use planners, lawyers, scientists, and educators.

*2 units (Thompson)*

**SOPHCOLL 11SC. The Ecology of Invasions**—Introduction to invasion ecology including the animal and plant species which are transforming ecosystems around the world. Ongoing research project in the Jasper Ridge Biological Preserve to investigate why the Argentine ant, once established, eliminates most native ant species, and why a few native species are able to resist.

*2 units (Gordon)*

### CIVIL AND ENVIRONMENTAL ENGINEERING

**SOPHCOLL 10SC. Green Buildings**—What makes a building green and why is the study of such buildings an important, emerging field? Greenness has to do with efficient use of energy, water, and construction materials to provide healthful and enjoyable spaces in which to live and work. Focus is on energy efficiency and architectural features that enable a building to provide a significant fraction of its own heating, cooling, and electrical needs.

*2 units (Masters)*

### COMMUNICATION

**SOPHCOLL 10SC. Some Classical Theories of Film**—How film communicates with its audiences and the gratifications audiences derive from watching films. Focus is on the formal structures of film and the strategies which filmmakers and theorists use to organize meaning on the screen.

*2 units (Breitrose)*

### COMPUTER SCIENCE

**SOPHCOLL 10SC. The Intellectual Excitement of Computer Science**—Intellectual tradition of computer science. Topics include analysis of algorithms, computability, cryptography, hardware design, and artificial intelligence.

*2 units (Hennessy, Roberts)*

### DRAMA

**SOPHCOLL 10SC. Social Protest Drama**—Theater as a social weapon from Brecht to the 60s and 70s. The history, performance styles, and philosophies of African American and Chicano dramatists and theater groups. How performances were shaped by their time and whether they transcend their historic context. Contemporary uses of social protest performance. Assignments include creating a social protest manifesto and a performance piece.

*2 units (Elam)*

### ECONOMICS

**SOPHCOLL 11SC. The Reform of Social Security**—The largest U.S. federal government program in the context of individual and national saving, its current structure, and reform alternatives. Demographics, finance, investments, taxes, labor supply, and the life-cycle model of consumption and saving. The rate of return on private equities, the performance of mutual funds, and the impact of fertility, mortality, productivity growth, and immigration.

*2 units (Shoven)*

### ELECTRICAL ENGINEERING

**SOPHCOLL 10SC. Mathematics of the Information Age**—The world may be made of earth, wind, fire, and water, but it runs on information. The mathematics of the Information Age including CD players, cellular phones, imaging, and the Internet. Behind-the-scenes look at how mathematics is used to shape and direct modern life and work.

*2 units (Osgood)*

## ENGLISH

**SOPHCOLL 13SC. Learning Theater: From Audience to Critic at the Oregon Shakespeare Festival**—Ten days and six plays at the Oregon Shakespeare Festival in Ashland, Oregon. The details of the plays, their interpretation, production, and acting, and their value as entertainment and challenge.

2 units (*Rebholz, Paulson*)

## GERMAN LITERATURE

**SOPHCOLL 10SC. Resistance Writings in Nazi Germany**—Writings from Dietrich Bonhoeffer and university students in Munich read as historical documents, reflections of German thought, statements of conscience, attempts to maintain normal relationships with others in the face of great risk, and poetic works and guides for an ethical life.

2 units (*Bernhardt*)

**SOPHCOLL 11SC. Thomas Mann's *The Magic Mountain***—A masterpiece of modernism, the novel looks back at the pre-WW I world to describe what had been lost, reflect on the causes of war, investigate the character of the modern world, and explore new cultural developments such as film and psychoanalysis. The continued presence of the past and the power of myth. German not required.

2 units (*Berman*)

## HISTORY

**SOPHCOLL 11SC. How is a Buddhist?**—Buddhism is a system of thought, a culture, a way of life. It is a definition of reality, a method for investigating it, and a mental, physical, and social practice. Buddhism as a total phenomenon. Readings, films, music, and art. How Buddhist practices constitute the world of the Buddhist.

2 units (*Mancall*)

**SOPHCOLL 12SC. The United States and the Asia-Pacific Century: Some Perspectives**—Americans have sometimes dismissed Asia as unimportant, and sometimes identified their future with it. U.S.-Pacific relations, legacies, and implications. Important historical episodes: the outbreak of the Korean War, the Tet offensive in the Vietnam War, and Nixon's visit to China in 1972.

2 units (*Chang*)

## INSTITUTE FOR INTERNATIONAL STUDIES

**SOPHCOLL 10SC. Constitutionalism**—How does a constitution differ from other law? How are written constitutions different from unwritten constitutions? What are the functions performed by constitutions in different countries? What is the role of judicial review? Materials organized historically and comparatively, and include the English, and S. African constitutions, and the ongoing EU constitutional convention.

2 units (*Casper*)

## LINGUISTICS

**SOPHCOLL 11SC. Understanding Language**—What would it take to program a computer to be fluent in a natural language? Building a language-understanding system would require formalizing pronunciation, vocabulary, and grammar, as well as coherence and appropriateness, sufficiently for coding. The structural properties of language and syntax, and the development of natural-language technologies.

2 units (*Wasow*)

## MUSIC

**SOPHCOLL 10SC. Sound, Digital Sound, and Massive Sound Media**—Principles of sound production, hearing, and digital audio. Given the use of audio streaming and compression, and our reliance on loudspeakers for the consumption of sound, are all aspects of sound being preserved? Team assignments in sound analysis, music recording, and instrument as well as an individual topic for a web-based report.

2 units (*Chafe*)

## POLITICAL SCIENCE

**SOPHCOLL 10SC. American Foreign Policy in the Twenty-First Century**—The substance of U.S. foreign policy, and the political considerations that influence the making and conduct of American diplomacy. Topics include the prospects for conflict and cooperation among the great powers, regional security, peacekeeping and peacemaking, international terrorism, weapons of mass destruction, the global economy, and the domestic politics of U.S. foreign policy.

2 units (*Blacker*)

**SOPHCOLL 12SC. Race, Ethnicity, and the Future of California**—California is now the most racially and ethnically diverse state in the nation. The challenges facing Californians in light of population trends. How has public policy responded? Focus is on population growth, education, immigration, political participation, and economic growth. Preparation of a policy proposal to the California governor.

2 units (*Fraga*)

## SOCIOLOGY

**SOPHCOLL 10SC. Bargaining, Power, and Social Influence**—How both simple and complex negotiations unfold under varying circumstances, and how conflict can be avoided. Effective negotiating strategies. Sample negotiations to understand how they can be more effective. Presentation of case study.

2 units (*Cook*)

## FRESHMAN SEMINARS AND SOPHOMORE SEMINARS AND DIALOGUES

Freshman and Sophomore Seminars and Dialogues are offered in a variety of disciplines throughout the academic year. Freshman preference seminars are given for 3-4 units to a maximum of 16 students, and generally meet twice weekly. Although preference for enrollment is given to freshmen, sophomores may participate on a space-available basis and with the consent of the instructor. Sophomore preference seminars and dialogues, similarly, give preference to sophomores, but freshmen may participate on a space-available basis and with the consent of the instructor. Sophomore preference seminars are given for 3-5 units to a maximum of twelve to fourteen students, while sophomore preference dialogues take the form of a directed reading, and are given for 1-2 units to a maximum of four to five students.

All seminars require a brief application. See the *Time Schedule*, the Stanford Introductory Seminars annual course catalogue published each September, or the Introductory Seminars web site at <http://introsems.stanford.edu/> for more information. Due dates for applications for the 2003-04 courses are: Autumn Quarter, midnight, September 22 for freshman preference courses, and midnight, September 23 for sophomore preference courses; Winter Quarter, 5 pm, December 5 for both freshman preference and sophomore preference courses; Spring Quarter, 5 pm, March 12 for both freshman and sophomore preference courses.

For course descriptions, see individual course listings in the teaching department section of this bulletin. F = preference to freshmen; S = preference to sophomores; Dial = dialogue; Sem = Seminar.

## AERONAUTICS AND ASTRONAUTICS

**AA 113N. Structures: Why Things Don't (or Do) Fall Down**—(F,Sem)

3 units, Win (*Springer*)

## AMERICAN STUDIES

**AMSTUD 114Q. Visions of the 1960s**—(S,Sem) GER:3a,4b

5 units, Aut (*Gillam*)

## APPLIED PHYSICS

**APPPHYS 79Q. Energy Choices for the 21st Century**—(S,Sem)

3 units, Aut (*Fox, Geballe*)

## ART HISTORY

**ARTHIST 80N. The Horse in Art from the Parthenon to Buffalo Bill**—(F,Sem)  
3 units, Aut (Takeuchi)

## ASIAN LANGUAGES

### JAPANESE GENERAL

**JAPANGEN 71N. Language and Gender in Japan: Myths and Reality**—(F,Sem)  
4 units, Win (Matsumoto)

## BIOCHEMISTRY

**BIOC 118Q. Genomics, Bioinformatics, and Medicine**—(S,Sem) GER:2b  
3 units, Spr (Brutlag)

## BIOLOGICAL SCIENCES

**BIOSCI 5N. Thinking Critically About Environmental Problem Solving**—(F,Sem)  
3 units, Spr (Root)

**BIOSCI 7N. Edible Botany**—(F,Sem)  
3 units, Spr (Preston)

**BIOSCI 11N. Biotechnology in Everyday Life**—(F,Sem) GER:2a  
3 units, Aut (Walbot)

**BIOSCI 14N. Plants and Civilization**—(F,Sem) GER:2a  
3 units, Spr (Mooney)

**BIOSCI 16N. Island Ecology**—(F,Sem) GER:2a  
3 units, Spr (Vitousek)

**BIOSCI 18N. Plant Genetic Engineering**—(F,Sem) GER:2a  
3 units, Spr (C. Somerville, S. Somerville)

**BIOSCI 19N. Diversity, Gender, and Sexuality**—(F,Sem) GER:4c  
3 units, Spr (Roughgarden)

**BIOSCI 21N. Genes and Behavior**—(S,Sem)  
3 units, Aut (Baker)

**BIOSCI 22N. Infection, Immunity, and the Public's Health**—(S,Sem)  
3 units, Spr (Jones)

**BIOSCI 26N. Maintenance of the Genome**—(F,Sem) GER:2a  
3 units, Spr (Hanawalt)

**BIOSCI 29N. The Origin and Limits of Life**—(F,Sem) GER:2a  
3 units, Win (Bohannon, Lowe)

**BIOSCI 31Q. Ants: Behavior, Ecology, and Evolution**—(S,Sem)  
3 units, Aut (Gordon)

**BIOSCI 106Q. The Heart of the Matter**—(S,Sem) GER:2a  
3-4 units, Win (Myers, Simoni)

## BUSINESS

### ORGANIZATIONAL BEHAVIOR

**OB 111Q. Urban Legends, Conspiracy Theories, and Other Distortions in the Marketplace of Ideas**—(S,Sem)  
4 units, Spr (Heath)

## CHEMICAL ENGINEERING

**CHEMENG 60Q. Environmental Regulation and Policy**—(S,Sem)  
3 units, Aut (Robertson, Libicki)

## CHEMISTRY

**CHEM 22N. Naturally Dangerous**—(F,Sem)  
2 units, Spr (Collman)

**CHEM 23N. Chemistry and Biology in Biotechnology**—(F,Sem) GER:2a  
3 units, Win (Khosla)

**CHEM 24N. Nutrition and History**—(F,Sem)  
2 units, Spr (Huestis)

**CHEM 27N. Lasers: The Light Fantastic**—(F,Sem) GER:3a  
3 units, Win (Moerner)

## CIVIL AND ENVIRONMENTAL ENGINEERING

**CEE 31Q. Accessing Architecture Through Drawing**—(S,Sem)  
4 units, Aut (Walters)

**CEE 46Q. Fail Your Way to Success**—(S,Sem) GER:2b  
3 units, Spr (Clough, Paulson)

**CEE 80N. The Art of Structural Engineering**—(F,Sem) GER:2b  
4 units, Aut (Billington)

## CLASSICS

### ART/ARCHAEOLOGY

**CLASSART 12N. The Severan Marble Plan of Rome**—(F,Sem) GER:3a  
3-4 units, Win (Trimble)

**CLASSART 21Q. Eight Great Archaeological Sites in Europe**—(S,Sem) GER:3a  
3-5 units, Aut (Shanks)

### GENERAL

**CLASSGEN 26N. Greek Philosophy and the Good Life**—(F,Sem) GER:3a  
3-4 units, Win (Nightingale)

### HISTORY

**CLASSHIS 20N. Daily Life in Ancient Egypt**—(F,Sem) GER:3b  
4-5 units, Win (Manning)

## COMMUNICATION

**COMM 149Q. Interethnic Communication**—(S,Dial)  
2 units, Win (Leets)

## COMPARATIVE LITERATURE

**COMPLIT 22N. Shakespeare and Performance**—(F,Sem) GER:3a,4c  
3 units, Spr (Parker)

**COMPLIT 24Q. Ethnicity and Literature**—(S,Sem) GER:3a,4b  
5 units, Aut (Palumbo-Liu)

**COMPLIT 84Q. Shakespeare, Playing, Gender**—(S,Sem) GER:3a,4c  
3 units, Win (Parker)

## COMPARATIVE MEDICINE

**COMPMD 81Q. Comparative Anatomy and Physiology of Mammals**—(S,Sem)  
3 units, Win (Bouley)

**COMPMD 85N. Animal Models in Biomedical Research**—(F,Sem)  
3 units, Win (Green, Tolwani)

## COMPUTER SCIENCE

**CS 21N. Technology and the Evolution of Human Consciousness**—(F,Sem)  
3 units, Spr (Shackelford)

**CS 55N. Computer and Information Security**—(F,Sem)  
3 units, Aut (Boneh)

**CS 68N. Technological Visions of Utopia**—(F,Sem)  
3 units, Aut (Roberts)

**CS 73N. Business on the Information Highways**—(F,Sem)  
3 units, Win (Wiederhold)

**CS 74N. Digital Dilemmas**—(F,Sem)  
3 units, Aut (Fox)

## **CULTURAL AND SOCIAL ANTHROPOLOGY**

**CASA 7N. Investigating Culture**—(F,Sem) GER:3b  
5 units, Aut (Delaney)

## **DEVELOPMENTAL BIOLOGY**

**DBIO 11N. Human Development: Egg to Embryo**—(F,Sem)  
3-4 units, Spr (Porzig)

## **DRAMA**

**DRAMA 12N. Antigone: From Ancient Democracy to Contemporary Dissent**—(F,Sem) GER:3a,4c  
4 units, Win (Rehm)

**DRAMA 13N. Hamlet(s)**—(F,Sem) GER:3a  
4 units, Aut (Rayner)

**DRAMA 17N. Del Otro Lado: Latino/a Performance Art in the U.S.**—(F,Sem) GER:3a  
3 units, Win (Moraga)

**DRAMA 18N. American Performance Traditions**—(F,Sem) GER:3a  
4 units, Aut (Fordyce)

**DRAMA 19N. Contemporary African American Drama from August Wilson to Hip Hop**—(F,Sem) GER:3a  
3-5 units, Win (Elam)

**DRAMA 180Q. Noam Chomsky: The Drama of Resistance**—(S,Sem)  
3 units, Spr (Rehm)

**DRAMA 188Q. Developments in Western Theater after World War II**—(S,Dial)  
1-2 units, Aut (Weber)

**DRAMA 189Q. Mapping and Wrapping the Body**—(S,Sem)  
3 units, Aut (Eddelman)

## **ECONOMICS**

**ECON 11N. Understanding the Welfare System**—(F,Sem)  
2 units, Win (MacCurdy)

**ECON 17N. Energy, the Environment, and the Economy**—(F,Sem)  
2 units, Spr (Wolak)

**ECON 18N. The Economics of the Civil-Rights Revolution**—(F,Sem)  
2 units, Win (Wright)

**ECON 93Q. The U.S. Stock Market**—(S,Sem)  
3 units, Win (Marotta)

## **EDUCATION**

**EDUC 114N. Linguistic Foundations of Racial Strife in Schools and Society: Global Perspectives**—(S,Sem)  
3 units, Win (Baugh)

**EDUC 115N. Identities, Race, and Culture in Urban Schools**—(S,Sem)  
3 units, Spr (Nasir)

**EDUC 137Q. Conceptualizing Human Motivation: East and West**—(S,Sem)  
4 units, Spr (Roeser)

**EDUC 138Q. Educational Testing in American Society**—(S,Sem)  
3 units, Aut (Haertel)

## **ENGINEERING**

**ENGR 1N. The Nature of Engineering**—(F,Sem) GER:2b  
3 units, Aut (Freyberg)

**ENGR 150Q. A Social Entrepreneurship Startup**—(S,Sem) GER:2b  
5 units, Win (Behrman, Paulson)

**ENGR 159Q. Japanese Companies and Japanese Society**—(S,Sem)  
3 units, Spr (Sinclair)

## **ENGLISH**

**ENGLISH 62N. Eros in Modern American Poetry**—(F,Sem) GER:3a  
3 units, Aut (Fields)

**ENGLISH 63N. Why and How We Remember: The Rhetoric of Mediated Memory**—(F,Sem)  
4 units, Win (Lunsford)

**ENGLISH 70N. Shakespeare on Film**—(F,Sem) GER:3a  
3 units, Aut (Riggs)

**ENGLISH 71N. Literature and Ethics**—(F,Sem) GER:3a  
3 units, Win (Bourbon)

**ENGLISH 73N. Conflict and Resolution in the Novel**—(F,Sem)  
3 units, Win (Shloss)

**ENGLISH 78N. Portraits of the Artist**—(F,Sem) GER:3a  
3 units, Spr (Tallent)

**ENGLISH 79N. Text and Performance in Shakespeare and Classical Drama**—(F,Sem) GER:3a  
3 units, Win (Friedlander)

**ENGLISH 82Q. Shakespeare's Plays**—(S,Sem) GER:3a  
5 units, Win (Rebholz)

**ENGLISH 84Q. Workshop in Shakespeare and Performance**—(S,Sem) GER:3a  
3 units, Aut (Friedlander)

**ENGLISH 85Q. Frankenstein and Film**—(S,Sem)  
3 units, Spr (Rovee)

## **FRENCH AND ITALIAN**

### **FRENCH GENERAL**

**FRENGEN 190Q. Parisian Cultures of the 19th and Early 20th Centuries**—(S,Sem) GER:3a  
4 units, Spr (Bertrand)

### **ITALIAN GENERAL**

**ITALGEN 41N. Imagining Italy**—(F,Sem) GER:3a  
3 units, Spr (Springer)

**ITALGEN 191Q. Eating Life**—(S,Sem) GER:3a  
3 units, Win (Napolitano)

## **GEOLOGICAL AND ENVIRONMENTAL SCIENCES**

**GES 39N. The Search for Life in the Solar System**—(F,Sem) GER:2a  
3 units, Spr (Chyba)

**GES 44N. A Transition to Sustainability: Development and Environment in the 21st Century**—(F,Sem) GER:2a  
3 units, Spr (Matson)

**GES 46N. The Beach**—(F,Sem) GER:2a  
3 units, Win (Ingle)

**GES 49N. Field Trip to Death Valley and Owens Valley**—(F,Sem) GER:2a  
4 units, Win (Mahood)

**GES 50Q. The Coastal Zone Environment**—(S,Sem) GER:2a  
3 units, Aut (Ingle)



**GES 53Q. In the Beginning: Theories of the Origin of the Earth, Solar System, and Universe—(S,Sem) GER:2a**

*3 units, Win (McWilliams)*

**GES 54Q. California Landforms and Plate Tectonics—(S,Sem) GER:2a**

*3 units, Aut (Miller)*

**GES 55Q. The California Gold Rush: Geologic Background and Environmental Impact—(S,Sem) GER:2a**

*3 units, Win (Bird)*

**GES 56Q. Changes in the Coastal Ocean: The View from the Monterey and San Francisco Bays—(S,Sem)**

*3 units, Spr (Dunbar)*

**GES 57Q. How to Critically Read and Discuss Scientific Literature—(S,Sem) GER:2a**

*3 units, Aut (Paytan)*

## **GEOPHYSICS**

**GEOPHYS 60Q. Science of the Earth's Environment: Understanding Change Using Satellite Technology—(S,Sem)**

*3 units, Aut (Zebker)*

## **GERMAN STUDIES**

### **GERMAN GENERAL**

**GERGEN 120N. Philosophy After the Revolution—(F,Sem) GER:3a**

*4 units, Win (Strum)*

### **GERMAN LITERATURE**

**GERLIT 122Q. The Sagas of Medieval Iceland—(S,Sem) GER:3a (WIM)**

*4 units, Spr (Andersson)*

**GERLIT 123N. The Brothers Grimm and Their Fairy Tales—(F,Sem) GER:3a (WIM)**

*4 units, Spr (Robinson)*

**GERLIT 126Q. Reading German Literature: An Introduction—(S,Sem) GER:3a (WIM)**

*4 units, Aut (Berman)*

## **HEALTH RESEARCH AND POLICY**

**HRP 89Q. Introduction to Crosscultural Issues in Medicine—(S,Sem)**

*3 units, Win (Corso)*

## **HISTORY**

**HISTORY 5N. The Challenge of Nuclear Weapons—(F,Sem) GER:3b**

*5 units, Spr (Holloway)*

**HISTORY 18N. Confronting Islam: The United States in the Middle East Since 1967—(F,Sem)**

*4-5 units, Aut (Beinin)*

**HISTORY 21N. Heretics and Inquisitors—(F,Sem) GER:3b**

*5 units, Win (Buc)*

**HISTORY 36N. Gay Autobiography—(F,Sem) GER:3a,4c**

*4 units, Spr (Robinson)*

**HISTORY 38N. The Body—(F,Sem) GER:3a,4c**

*5 units, Spr (Freedman)*

**HISTORY 42N. The Invention of Liberty and the English Revolution, 1640-1660—(F,Sem) GER:3a**

*4 units, Win (Seaver)*

**HISTORY 48Q. South Africa: Contested Transitions—(S,Sem)**

*3 units, Win (Samoff)*

**HISTORY 52N. The Atomic Bomb as Policy and History—(F,Sem) GER:3b**

*5 units, Spr (Bernstein)*

**HISTORY 53N. Reflections on the American Condition: American History through Literature—(F,Sem)**

*5 units, Aut (Kennedy)*

**HISTORY 90Q. Buddhist Political and Social Theory—(S,Sem) GER:3b,4a**

*5 units, Spr (Mancall)*

## **HUMAN BIOLOGY**

**HUMBIO 90Q. Contemporary Issues in Human Experimentation—(S,Sem)**

*3 units, Win (Constantinou)*

**HUMBIO 91Q. Neuroethology: The Neural Control of Behavior—(S,Sem)**

*3 units, Aut (R. Fernald)*

**HUMBIO 92Q. International Women's Health and Human Rights—(S,Sem)**

*3 units, Aut (Firth-Murray)*

**HUMBIO 94Q. The Nation's Health—(S,Sem)**

*3 units, Aut (Lee, Heller)*

**HUMBIO 95Q. Gender and HIV/AIDS—(S,Sem)**

*3-5 units, Spr (Brown)*

**HUMBIO 96Q. The Death Penalty: Policy, Philosophy, and Controversy—(S,Sem)**

*3-4 units, Spr (Abrams)*

**HUMBIO 97Q. Sport, Exercise, and Health: Exploring Sports Medicine—(S,Sem)**

*3 units, Spr (Matheson)*

**HUMBIO 98Q. The Alien Tort Claims Act of 1789—(S,Sem)**

*4 units, Aut (Rosencranz)*

**HUMBIO 99Q. Doctors Writing, Writing Doctors: Readings from Medical School, Medical Training, Medical Practice—(S,Sem)**

*3 units, Aut (Zaroff)*

## **LATIN AMERICAN STUDIES**

**LATINAM 87Q. Urbanization, Poverty, and Children in Latin America—(S,Sem)**

*5 units, Aut (Morrison)*

## **LAW**

**LAW 107Q. Legal Craft and Moral Institutions—(S,Sem)**

*4 units, Win (Kelman)*

## **LINGUISTICS**

**LINGUIST 11N. Accents of English—(F,Sem) GER:3b**

*3 units, Spr (Flemming)*

**LINGUIST 12Q. You Can't Say That! Usage and Prescriptive Grammar—(S,Dial)**

*2 units, Spr (Zwicky)*

**LINGUIST 19Q. Lanugage in Africa—(S,Dial)**

*2 units, Spr (Leben)*

**LINGUIST 40N. Nature versus Nurture—(F,Sem)**

*3 units, Win (Wasow)*

**LINGUIST 44N. Living with Two Languages—(F,Sem) GER:3b**

*3 units, Spr (E. Clark)*

## MANAGEMENT SCIENCE AND ENGINEERING

**MS&E 92Q. International Environmental Policy**—(S,Sem)  
*4 units, Spr (Weyant)*

**MS&E 93Q. Nuclear Weapons, Terrorism, and Energy**—(S,Sem)  
*3 units, Spr (May)*

## MATERIALS SCIENCE AND ENGINEERING

**MATSCI 70N. Building the Future: Invention and Innovation with Engineering Materials**—(F,Sem) GER:2b  
*4 units, Spr (Bravman)*

**MATSCI 159Q. Japanese Companies and Japanese Society**—(S,Sem)  
*3 units, Spr (Sinclair)*

## MATHEMATICS

**MATH 84Q. Finite Mathematics, Codes, and Cryptography**—(S,Sem)  
*3 units, Win (Carlsson)*

**MATH 87Q. Mathematics of Knots, Braids, Links, and Tangles**—(S,Sem)  
*3 units, Spr (Brumfiel)*

**MATH 90Q. The Mathematics of Fractals**—(S,Sem)  
*3 units, Aut (Levy)*

## MECHANICAL ENGINEERING

**ME 12N. The Jet Engine**—(F,Sem)  
*3 units, Aut (Eaton)*

**ME 13N. Designing the Human Experience**—(F,Sem)  
*3-5 units, Win (Leifer)*

**ME 16N. The Science of Flames**—(F,Sem)  
*3 units, Spr (Mitchell)*

**ME 17N. Robotic Animals**—(F,Sem)  
*3 units, Aut (Waldron)*

**ME 18Q. Creative Teams and Individual Development**—(S,Sem)  
*3 units, Aut (Wilde)*

**ME 20N. Mechanical Dissection**—(F,Sem)  
*3 units, Win (Sheppard)*

## MEDICINE

**MED 70Q. Cancer and the Immune System**—(S,Sem)  
*3 units, Spr (Negrin)*

**MED 88Q. Dilemmas in Current Medical Practice**—(S,Sem)  
*3 units, Aut (Croke, Jones)*

**MED 93Q. The AIDS Epidemic: Biology, Behavior, and Global Responses**—(S,Sem)  
*3 units, Aut (Katzenstein)*

**MED 94Q. Hormones, Health, and Disease**—(S,Sem)  
*3 units, Win (Feldman)*

**MED 101Q. The Human Side of Medicine**—(S,Sem)  
*3 units, Win (G. Garcia)*

**MED 108Q. Human Rights and Health**—(S,Sem)  
*3 units, Aut (Laws)*

**MED 116Q. Woman and Aging**—(S,Sem) GER:4c  
*4 units, Win (Winograd)*

**MED 118Q. Interventional Cardiology: Its Principles, Practice, and Impact on Coronary Heart Disease**—(S,Sem)  
*3 units, Spr (Stertzner)*

## MICROBIOLOGY AND IMMUNOLOGY

**MI 25N. Modern Plagues**—(F,Sem)  
*3 units, Spr (Boothroyd)*

**MI 127N. Infectious Disease: Fact and Fiction**—(F,Sem)  
*3 units, Aut (Schneider)*

## MOLECULAR AND CELLULAR PHYSIOLOGY

**MCP 100Q. The Hippocampus as a Window to the Mind**—(S,Sem)  
*3 units, Spr (Madison)*

## MUSIC

**MUSIC 11Q. The Allure of Chamber Music**—(S,Sem) GER:3a  
*3 units, Win (A. Cohen)*

**MUSIC 13N. Art versus Pop**—(F,Sem) GER:3a  
*4 units, Win (Applebaum)*

**MUSIC 14N. Women Making Music**—(F,Sem) GER:3a,4c  
*3 units, Spr (Hadlock)*

**MUSIC 15N. The Role of Technology in the Arts**—(F,Sem) GER:3a  
*3 units, Win (J. Berger)*

**MUSIC 16N. Explorations in World Music**—(F,Sem) GER:3a,4a  
*3 units, Win (Hui)*

**MUSIC 16Q. *Ki ho'alu*: The New Renaissance of a Hawaiian Musical Tradition**—(S,Sem) GER:3a,4b  
*3 units, Aut (Sano)*

**MUSIC 17Q. Perspectives in North American Taiko**—(S,Sem) GER:3a,4b  
*4 units, Spr (Sano, Uyechi)*

**MUSIC 32N. A Passion for Bach**—(F,Sem) GER:3a  
*3 units, Aut (Houle)*

## NEUROLOGY AND NEUROLOGICAL SCIENCES

**NENS 66Q. The Diseased Brain: Multiple Sclerosis as a Model of Neurological Illness**—(S,Sem)  
*3 units, Win (Dorfman)*

## NEUROSURGERY

**NSUR 61Q. Biocomputation and Design**—(S,Sem)  
*4 units, Spr (Shahidi)*

## MEDICINE, OPHTHALMOLOGY

**OPHT 108Q. Lasers in Medicine**—(S,Sem)  
*3 units, Spr (Palanker)*

## MEDICINE, PATHOLOGY

**PATH 105Q. Final Analysis: The Autopsy as a Tool of Medical Inquiry**—(S,Sem)  
*3 units, Spr (Regula)*

## MEDICINE, PEDIATRICS

**PEDS 104Q. Medicine's Greatest Discoveries**—(S,Sem)  
*3 units, Spr (Prober)*

**PEDS 111Q. Issues of Race and Ethnicity in the Health of Children**—(S,Dial)  
*2 units, Spr (Burgos)*

## PETROLEUM ENGINEERING

**PETENG 110Q. Technology in the Greenhouse: Options for Reducing Greenhouse Emissions from Energy Use**—(S,Sem) GER:2b  
*3 units, Spr (Orr)*

## PHILOSOPHY

**PHIL 11N. Belief, Reason, and Faith**—(F,Sem) GER:3a  
*3 units, Aut (A. Wood)*

**PHIL 12N. Being at Home as an Ethical Concept**—(F,Sem) GER:3a  
*3 units, Win (Moravcsik)*

**PHIL 13N. What is the Truth?**—(F,Sem) GER:3a  
*3 units, Spr (Mints)*

**PHIL 14N. Time and Meaning**—(F,Sem) GER:3a  
*3 units, Aut (Strevens)*

**PHIL 15N. Freedom, Community, and Morality**—(F,Sem) GER:3a  
*3 units, Win (Friedman)*

**PHIL 16N. Darwin**—(F,Sem) GER:3a  
*3 units, Spr (Sober)*

## PHYSICS

**PHYSICS 11N. The Basic Rules of Nature**—(F,Sem) GER:2a  
*3 units, Aut (Shenker)*

**PHYSICS 12N. The Physics of Time**—(F,Sem) GER:2a  
*3 units, Spr (Chu)*

**PHYSICS 18N. Revolutions in Concepts of the Cosmos**—(F,Sem)  
GER:2a  
*3 units, Spr (Wojcicki)*

**PHYSICS 51N. Advanced Topics in Light and Heat**—(F,Sem)  
*1 unit, Aut (Laughlin)*

**PHYSICS 55N. Understanding Electromagnetic Phenomena**—  
(F,Sem)  
*1 unit, Spr (Greven)*

**PHYSICS 61N. Mechanics: Insights, Applications, and Advances**—  
(F,Sem)  
*1 unit, Aut (Gratta)*

**PHYSICS 63N. Applications of Electromagnetism**—(F,Sem)  
*1 unit, Win (Thomas)*

**PHYSICS 80N. The Technical Aspects of Photography**—(F,Sem)  
*3 units, Spr (Osheroff)*

**PHYSICS 80Q. The Technical Aspects of Photography**—(S,Sem)  
*3 units, Win (Osheroff)*

**PHYSICS 83N. Physics in the 21st Century**—(F,Sem) GER:2a  
*3 units, Win (Dimopoulos)*

**PHYSICS 85Q. Cosmology in the 21st Century**—(S,Dial)  
*1 unit, Spr (Thomas)*

## POLITICAL SCIENCE

**POLISCI 11N. The Rwandan Genocide**—(F,Sem)  
*4 units, Aut (Stedman)*

**POLISCI 15N. Explaining Ethnic Violence**—(F,Sem)  
*5 units, Spr (Fearon)*

**POLISCI 21Q. The Presidency**—(S,Sem)  
*5 units, Win (Moe)*

**POLISCI 31N. Tolerance and Democracy**—(F,Sem) GER:3b  
*5 units, Aut (Sniderman)*

**POLISCI 32Q. Politics Through Literary Lenses: Different Vantage  
Points**—(S,Dial)  
*2 units, Win (Hansot)*

**POLISCI 41N. Mexican Politics**—(F,Sem)  
*5 units, Spr (Magaloni)*

**POLISCI 42N. Democracies and Autocracies**—(F,Sem) GER:3b  
*5 units, Win (Magaloni)*

## PSYCHIATRY

**PSYC 72Q. Traumatic Stress**—(S,Sem)  
*3 units, Spr (Koopman)*

**PSYC 75Q. Mental Dimensions of Sports and Performing Arts**—  
(S,Sem)  
*3 units, Win (Brassington, Steiner)*

**PSYC 76Q. Neurobiology of Mood, Temperament, and Creativity**—  
(S,Sem)  
*4 units, Win (Ketter)*

**PSYC 80Q. Borderline Personality: Artistic Representations and  
Treatment**—(S,Sem)  
*3 units, Aut (King)*

## PSYCHOLOGY

**PSYCH 2N. Aging and Time Perspective**—(F,Sem)  
*3 units, Aut (Carstensen)*

**PSYCH 8N. Life Span Development**—(F,Sem)  
*3 units, Spr (Carstensen)*

**PSYCH 9N. The Social Psychology of Race, Gender, and Culture**—  
(F,Sem)  
*3 units, Win (Steele)*

**PSYCH 12Q. Emotion**—(S,Dial)  
*2 units, Aut (Gross)*

**PSYCH 13N. Culture and Social Relationships**—(F,Sem)  
*3 units, Win (Tsai)*

**PSYCH 14Q. Emotion Regulation**—(S,Dial)  
*2 units, Win (Gross)*

**PSYCH 15N. Explorations in Human Memory**—(F,Sem)  
*3 units, Win (Bower)*

**PSYCH 16N. Reward and the Brain**—(F,Sem)  
*3 units, Spr (Knutson)*

**PSYCH 16Q. Development of Children's Knowledge of the Mind**—  
(S,Dial)  
*1-2 units, Spr (Flavell)*

**PSYCH 19Q. Neuroethology: The Neural Control of Behavior**—  
(S,Sem)  
*3 units, Aut (R. Fernald)*

**PSYCH 20Q. The Psychology of Stigma**—(S,Dial)  
*2 units, Aut (Hastorf)*

**PSYCH 21Q. Conflict, Dispute, Resolution, and the Pursuit of  
Justice**—(S,Sem)  
*3 units, Win (Ross)*

## RELIGIOUS STUDIES

**RELIGST 3N. The Historical Jesus**—(F,Sem) GER:3a  
*3 units, Win (Sheehan)*

**RELIGST 4N. The Creation of Woman**—(F,Sem) GER:3a,4c  
*3 units, Spr (Fonrobert)*

**RELIGST 5N. Four Sacred Stories of Judaism, Christianity, and  
Islam**—(F,Sem) GER:4a  
*3 units, Spr (Gregg)*

**RELIGST 6N. Religious Classics of Asia**—(F,Sem) GER:4a  
3 units, Aut (*Bielefeldt*)

**RELIGST 7N. Søren Kierkegaard**—(F,Sem) GER:3a  
3 units, Spr (*Sockness*)

**RELIGST 71Q. The Confessions of St. Augustine: Philosophy, Faith, Conversions**—(S,Sem)  
4-5 units, Aut (*Sheehan*)

## **SCIENCE, TECHNOLOGY, AND SOCIETY**

**STS 101Q. Technology in Contemporary Society**—(S,Sem) GER:3b  
4 units, Aut (*McGinn*)

## **SLAVIC LANGUAGES AND LITERATURES**

### **SLAVIC GENERAL**

**SLAVGEN 77Q. Russia's Weird Classic: Nikolai Gogol**—(S,Sem) GER:3a  
3 units, Aut (*Fleishman*)

**SLAVGEN 81Q. Fritz Lang's *Metropolis* and All Things Modern**—(S,Sem)  
4 units, Spr (*Bulgakowa*)

**SLAVGEN 163N. Beyond *Fiddler on the Roof*: The Jewish Experience in Eastern Europe**—(F,Sem)  
4 units, Aut (*Safran*)

### **SOCIOLOGY**

**SOC 22N. The Roots of Social Protest**—(F,Sem)  
3 units, Aut (*Olzak*)

**SOC 32N. Law in Society**—(F,Sem)  
3 units, Spr (*Sandefur*)

**SOC 46N. Race, Ethnic, and National Identities: Imagined Communities**—(F,Sem)  
3 units, Aut (*Rosenfeld*)

## **SPANISH AND PORTUGUESE**

### **SPANISH LITERATURE**

**SPANLIT 101N. Visual Studies and Chicana/o Art**—(F,Sem) GER:3a,4b  
3-5 units, Aut (*Yarbro-Bejarano*)

**SPANLIT 111N. Contemporary Spain: The Challenge of Change**—(F,Sem) GER:3a  
4 units, Spr (*Haro*)

**SPANLIT 116N. New World Creation Narratives**—(F,Sem) GER:3a  
3-4 units, Win (*Brotherston*)

**SPANLIT 118N. Latin America's 19th Century through Literature and Film**—(F,Sem) GER:3a  
3-4 units, Spr (*Ruffinelli*)

**SPANLIT 165Q. Machado, Jiménez, Lorca: An Exploration of Self and Society in 20th-Century Spanish Lyric Poetry**—(S,Sem)  
3-5 units, Aut (*Predmore*)

**SPANLIT 193Q. Spaces and Voices of Brazil through Films**—(S,Dial)  
1-2 units, Aut (*Wiedemann*)

### **STATISTICS**

**STATS 43N. Statistics in the News and the Display of Quantitative Information**—(F,Sem) GER:2c  
3 units, Win (*Walther*)

**STATS 49N. Women's Health and Epidemiology**—(F,Sem)  
3 units, Spr (*Olshen*)

### **SURGERY**

**SURG 67Q. Medical Experience in Foreign Lands**—(S,Sem)  
3 units, Win (*Chase, Wang*)

**SURG 68Q. Current Concepts in Transplantation**—(S,Sem)  
3 units, Spr (*Krams, Martinez*)

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