

FRESHMAN AND SOPHOMORE PROGRAMS

Assistant Vice Provost and Program Director: Sharon Palmer

Academic Technology Specialist: Edward O'Neill

Oral Communication Lecturer: Joyce Moser

College Programs Associate: LaCona Woltmon

Administrators: Gari Gene, Mona Kitaoe, Jasmine Lu

Department Offices: Sweet Hall, 4th floor

Phone: (650) 723-4338

Fax: (650) 736-2797

Email: frohsophprograms@stanford.edu

Web Site: <http://fsp.stanford.edu>

Freshman and Sophomore Programs (FSP), a division of the office of the Vice Provost for Undergraduate Education, sponsors and supports Freshman-Sophomore College, as well as Stanford Introductory Seminars, including Freshman Seminars, Sophomore Seminars and Dialogues, and Sophomore College. FSP also coordinates initiatives that encourage faculty and students to build on relationships formed in introductory seminars by forming ongoing mentoring and research partnerships based on their shared intellectual interests. FSP is located on the fourth floor of Sweet Hall. For detailed information, see the web site or contact the office.

FRESHMAN-SOPHOMORE COLLEGE

The Freshman-Sophomore College (FroSoCo) at Sterling Quad is a residence for approximately 180 freshmen and sophomores interested in broad intellectual exploration of the liberal arts and sciences. The College integrates intellectual, academic, and social activities with residential life. Entering freshmen have the option of living for two years in FroSoCo.

STANFORD INTRODUCTORY SEMINARS

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

SIS Offices: 4th Floor, Sweet Hall, 590 Escondido Mall

Mail Code: 94305-3091

Phone: (650) 723-4338

Email: frohsophprograms@stanford.edu

Web Site: <http://introsems.stanford.edu>

Stanford Introductory Seminars (SIS) 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. Over 200 faculty from more than 60 departments take part in the introductory seminars programs. The courses are given department credit and most count towards an eventual major in the field. Most also fulfill General Education Requirements (GERs).

Some faculty who have taught Freshman Seminars or Sophomore College volunteer to continue working with their students through a formal advising relationship during the students' sophomore year.

FRESHMAN SEMINARS AND SOPHOMORE SEMINARS AND DIALOGUES

Freshman Seminars and Sophomore Seminars and Dialogues are offered in many disciplines throughout the academic year. Freshman preference seminars are typically 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 and first-year transfer students may participate on a space-available basis and with the consent of the instructor. Sophomore preference seminars and dialogues give preference to sophomores and first-year transfer students, 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 14 students, while sophomore preference dialogues take the form of a directed reading, and are given for 1-2 units to a maximum of 5 students. All seminars require a brief application. For a list of introductory seminars offered in 2007-08, see below. For an application or more information see the SIS annual course catalogue, published each September, or <http://introsems.stanford.edu>.

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. Students immerse themselves in a subject and collaborate with peers, upper-class sophomore assistants, and faculty in constructing a community of scholars. They 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 twelve to fourteen students, who live together in a Stanford residence and receive two units of academic credit. Eligible students will have been enrolled for no more than three academic quarters; be sophomores in the Autumn Quarter during which the college is offered; be in good academic standing; and have completed at least 36 units of academic work by the end of the Spring Quarter preceding the college. Students must also have an on-campus housing assignment for the ensuing academic year and intend to enroll in the Autumn Quarter. Admitted students who are found to have academic standing problems after the completion of Spring Quarter may have their admission revoked. The Sophomore College program fee covers tuition, room, board, books, and class-required travel arranged by the program. The total fee is \$1300, but all students automatically receive an \$800 scholarship. Each student pays the remaining \$500, which is included in the University Bill. Financial aid is available. Students are also responsible for travel to campus (or to another site for some off-campus seminars), phone, network activation fees, and other personal expenses. Courses are announced in March, and applications are due in April. For a list of Sophomore College Seminars offered in 2007-08, see below. For more information or to apply, see <http://soco.stanford.edu>.

COURSES

SOPHOMORE COLLEGE

ANTHROPOLOGY

ANTHSCI 11SC. Conservation and Development Dilemmas in the Amazon—The human dimensions of conservation efforts in the Amazon Basin. The human ecology of Amazonia through the peoples and cultures, and the ecosystems in which they live. The prospects for achieving the goals of biodiversity conservation and local community development. Amazonia as a microcosm of the challenges facing conservation and development efforts in the Third World.

2 units, Aut (Durham, W)

BIOLOGICAL SCIENCES

BIOSCI 10SC. Natural History, Marine Biology, and Research—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, Aut (Thompson, S)

BIOSCI 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, Aut (Gordon, D)

CHEMICAL ENGINEERING

CHEMENG 10SC. How Computer Chips Are Made—Fabrication sequence for integrated circuits. Properties of solids. Semiconductors; transistors and their function in an integrated circuit. Transistor fabrication including doping, deposition, etching, and lithography. Future trends such as smaller transistors.

2 units, Aut (*Bent, S*)

CIVIL AND ENVIRONMENTAL ENGINEERING

CEE 10SC. Green Buildings—What makes a building green? The 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, Aut (*Masters, G*)

COMPARATIVE LITERATURE

COMPLIT 12SC. Ghost Stories: Why the Dead Return and What They Want From Us—Anxiety about mortality and wisdom about the cultural place of the past in the enduring genre of the ghost story from classical literature to popular film. Memory and regret, mourning and forgetting. Classic authors such as Hoffmann, Poe, James, Joyce, and Ibsen, and more recent authors such as Paul Auster, Marie Darrieussecq, Catherine Lim, and Toni Morrison.

2 units, Aut (*Berman, R*)

DRAMA

DRAMA 11SC. Learning Theater: From Audience to Critic at the Oregon Shakespeare Festival—Twelve days and eight plays at the Oregon Shakespeare Festival in Ashland. Details of the plays, interpretation, production, acting, and their value as entertainment and challenge.

2 units, Aut (*Rehm, M; Paulson, L*)

ECONOMICS

ECON 14SC. A Random Walk Down Wall Street—Modern finance theory. Financial instruments including stocks, bonds, options, mutual funds, and exchange-traded funds. Historical returns on asset classes. Equity analysis. Capital pricing model. Efficient market hypotheses. Index funds. Meetings with financial managers and venture capitalists.

2 units, Aut (*Shoven, J*)

ENGLISH

ENGLISH 15SC. Mixed Race in the New Millennium—Current controversies over mixed race identification. Political and aesthetic implications. Literary and pop cultural images in literature, performance, the Internet, and visual media. Legal leverage and national recognition gained in the last decade. Organizations, web sites, and affinity and advocacy groups, and their rhetoric and graphics.

2 units, Aut (*Elam, M*)

ETHICS IN SOCIETY

ETHICSOC 10SC. The Meaning of Life: Moral and Spiritual Inquiry through Literature—Short novels and plays as the basis for reflection on ethical values and the purpose of life. Why are people here? How do they find meaningful work? What can death teach about life? What is the meaning of success? What is the nature of true love? How can one find balance between work and personal life? How free are people to seek their own destinies? What obligations does one have to others?

2 units, Aut (*McLennan, W*)

GEOLOGICAL AND ENVIRONMENTAL SCIENCES

GES 12SC. Environmental and Geological Field Studies in the Rocky Mountains—Geologic origin from three billion years ago, paleoclimatology and glacial history, long- and short-term carbon cycle and global climate change, and environmental issues related to changing land-use patterns and increased demand for natural resources. Small groups analyze data to prepare reports and maps.

2 units, Aut (*Chamberlain, P*)

HISTORY

HISTORY 17SC. The Invasion of Britain in the Second World War—Two invasions: a potential hostile invasion intended by Hitler for September, 1940; and a benign invasion by nearly two million American troops. Effect of Americans on Britain, Britain on Americans, and the invasions on the course of the war.

2 units, Aut (*Stansky, P*)

HISTORY 18SC. The Federal Government and the West—(Same as POLISCI 18SC.) Historical development and current status of the relationship between the U.S. federal government and the American West. Land ownership, natural resource management, agriculture, water, energy, and environmental quality.

2 units, Aut (*Kennedy, D; Brady, D; Frisby, T; Noll, R*)

LINGUISTICS

LINGUIST 10SC. Ebonics, Creoles, and Standard English in Education—A dispassionate look at the 1996 Oakland School Board's proposal to take the everyday vernacular of African American students (Ebonics) into account in teaching them mainstream or standard English and the substantial linguistic and pedagogical research associated with it.

2 units, Aut (*Rickford, J*)

MECHANICAL ENGINEERING

ME 12SC. Hands-on Jet Engines—The jet engine has arguably done more than any other 20th century invention to transform the world. Prior to the advent of commercial jet airliners, cross-country travel was a rarity, world travel was the province of the idle rich, and Stanford was a regional university. Now intercontinental travel is common, and internationalization has affected nearly everything we do. From an engineering perspective, jet engines continue to embody some of the most sophisticated technology ever designed, and competition drives continual improvements in fuel economy, engine lifetime, noise, and emissions.

2 units, Aut (*Eaton, J*)

MEDICINE

MED 10SC. AIDS in Africa—Hypotheses about the origins of HIV, different types of virus and their virulence, and the diversity in HIV prevalence in Africa. Social, political, and economic consequences of the epidemic.

2 units, Aut (*Katzenstein, D*)

MUSIC

MUSIC 11SC. Men, Women, and Opera—Six operas through the lenses of gender and sexuality. Italian romantic opera. Contemporary queer/feminist appropriations. Mozart's comic operas. Romantic obsessions with beauty, music, and love. Thinking and writing critically about music. Opera viewing. Team projects staging an operatic scene.

2 units, Aut (*Hadlock, H*)

PHYSICS

PHYSICS 11SC. A 21st-Century View of the Universe: The Elementary Particles, Dark Matter, and Dark Energy—The development of cosmology as a truly experimental science that has led to the observations that about a quarter of the energy content in the universe is in the form of dark matter which gravitationally attracts but is otherwise invisible, and about two-thirds is in the form of dark energy which causes space itself to expand at an ever-increasing rate. The evidence for dark matter and dark energy, and the experiments being developed to investigate their nature.

2 units, Aut (*Burchat, P*)

POLITICAL SCIENCE

POLISCI 18SC. The Federal Government and the West—(Same as HISTORY 18SC.) Historical development and current status of the relationship between the U.S. federal government and the American West. Land ownership, natural resource management, agriculture, water, energy, and environmental quality.

2 units, Aut (*Kennedy, D; Brady, D; Frisby, T; Noll, R*)

SOCIOLOGY

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

2 units, Aut (Cook, K)

FRESHMAN SEMINARS AND SOPHOMORE SEMINARS AND DIALOGUES

Freshman and Sophomore Seminars and Dialogues are offered in many 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 and first-year transfer students may participate on a space-available basis and with the consent of the instructor. Sophomore preference seminars and dialogues, similarly, give preference to sophomores and first-year transfer students, 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 14 students, while sophomore preference dialogues take the form of a directed reading, and are given for 1-2 units to a maximum of 5 students.

All seminars require a brief application. See the *Time Schedule*, the *Stanford Introductory Seminars Course Catalogue* published each September, or <http://introsems.stanford.edu>. Due dates for 2007-08 applications for both freshman and sophomore preference courses are: Autumn Quarter, 5 p.m., September 21; Winter Quarter, noon, December 7; Spring Quarter, noon, March 14.

For course descriptions, see 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 (and Sometimes Do) Fall Down—(F,Sem) GER:DB-EngrAppSci

3 units, Win (Springer, G)

AMERICAN STUDIES

AMSTUD 114N. Visions of the 1960s—(S,Sem) GER:DB-Hum, EC-AmerCul

5 units, Aut (Gillam, R)

ANESTHESIOLOGY

ANES 113Q. Disease-Oriented Approach to Human Physiology—(S,Sem) The role of the physiology of major organ systems in a healthy person, how it is altered in disease, and therapeutic approaches to normalizing the pathophysiologic state. Current therapies and those under investigation. Organ systems and diseases including the cardiovascular (myocardial infarction, trauma and infection leading to shock), central nervous (stroke, concussion, cerebral hemorrhage, spinal-cord trauma, meningitis), pulmonary (pneumonia, asthma, emphysema), renal (kidney failure), and hepatic (cirrhosis, hepatitis). Field trips to operating rooms or intensive-care units at Stanford Medical Center.

3 units, Spr (Rosenthal, M)

ANTHROPOLOGY

CASA 7N. Science, Technology, and Medicine: Disease as Culture—(F,Sem)

3-5 units, Spr (Jain, S)

CASA 100N. Ethnographies of North America: An Introduction to Cultural and Social Anthropology—(F,Sem) GER:DB-SocSci

3-4 units, Aut (Wilcox, M)

APPLIED PHYSICS

APPPHYS 68N. Lasers and Photons—(F,Sem) GER:DB-EngrAppSci

3 units, Aut (Bucksbaum, P)

APPPHYS 69N. Advanced Electronic Materials: Principles and Applications—(F,Sem) GER:DB-EngrAppSci

3 units, Spr (Fisher, I)

APPPHYS 78Q. Tools of Nanotechnology—(S,Sem) GER:DB-EngrAppSci

3 units, Aut (Cole, K)

APPPHYS 79Q. Energy Choices for the 21st Century—(S,Sem) GER:DB-EngrAppSci

3 units, Aut (Fox, J; Geballe, T)

BIOCHEMISTRY

BIOC 118Q. Genomics and Medicine—(S,Sem) GER:DB-EngrAppSci

3 units, Spr (Brutlag, D)

BIOENGINEERING

BIOE 70Q. Medical Device Innovation—(S,Sem)

3 units, Spr (Doshi, R; Mandato, J)

BIOLOGICAL SCIENCES

BIOSCI 6N. Climate Change: Drivers, Impacts, and Solutions—(F,Sem) GER:DB-NatSci

3 units, Win (Field, C)

BIOSCI 14N. Plants and Civilization—(F,Sem) GER:DB-NatSci

3 units, Win (Mooney, H)

BIOSCI 16N. Island Ecology—(F,Sem) GER:DB-NatSci

3 units, Spr (Vitousek, P)

BIOSCI 21N. Evolutionary Basis of Animal Sexual Behaviors—(F,Sem) GER:DB-NatSci

3 units, Spr (Baker, B)

BIOSCI 24N. From Bread to Genomics: Using Yeast to Study Biology—(F,Sem) GER:DB-NatSci

3 units, Aut (Cyert, M)

BIOSCI 25Q. The Molecular Basis of Genetic Disease—(S,Sem) GER:DB-NatSci

3 units, Spr (Kopito, R)

BIOSCI 26N. Maintenance of the Genome—(F,Sem) GER:DB-NatSci

3 units, Spr (Hanawalt, P)

BIOSCI 28N. Molecular Basis of Cancer—(F,Sem) GER:DB-NatSci

3 units, Spr (Fang, G)

BIOSCI 31Q. Ants: Behavior, Ecology, and Evolution—(S,Sem)

3 units, Spr (Gordon, D)

BIOSCI 33N. Conservation Science and Practice—(F,Sem) GER:DB-NatSci

3 units, Spr (Daily, G)

BIOSCI 34N. Hunger—(F,Sem) GER:DB-NatSci

3 units, Aut (Barton, K)

BIOSCI 36N. Physiology of Human Performance—(F,Sem) GER:DB-NatSci

3 units, Aut (Heller, C; Grahn, D; Sims, S)

BIOSCI 106Q. The Heart of the Matter—(S,Sem) (Same as GENE 106Q.) GER:DB-NatSci

3 units, Win (Myers, R; Simoni, R)

BIOMEDICAL INFORMATICS

BIOMEDIN 109Q. Genomics: A Technical and Cultural Revolution—(S,Sem) (Same as GENE 109Q.) Write-2

3 units, Win (Altman, R)

CHEMICAL ENGINEERING

CHEMENG 60Q. Environmental Regulation and Policy—(S,Sem)
GER:DB-EngrAppSci
3 units, Aut (Robertson, C; Libicki, S)

CHEMENG 70Q. Masters of Disaster—(S,Sem) GER:DB-EngrAppSci
3 units, Aut (Robertson, C; Moalli, J)

CHEMENG 80Q. Art, Chemistry, and Madness: The Science of Art Materials—(S,Sem) GER:DB-EngrAppSci
3 units, Spr (Frank, C; Loesch-Frank, S)

CHEMISTRY

CHEM 22N. Naturally Dangerous—(F,Sem)
2 units, Aut (Collman, J)

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

CHEM 25N. Science in the News—(F,Sem)
3 units, Aut (Andersen, H)

CHEM 27N. Lasers: The Light Fantastic—(F,Sem) GER:DB-NatSci
3 units, Win (Moerner, W)

CIVIL AND ENVIRONMENTAL ENGINEERING

CEE 31Q. Accessing Architecture through Drawing—(S,Sem)
GER:DB-EngrAppSci
4 units, Aut (Walters, P)

CEE 46Q. Fail Your Way to Success—(S,Sem) GER:DB-EngrAppSci
3 units, Spr (Clough, R)

CEE 48N. Designing Organizations to Execute Global Projects—
(F,Sem)
4 units, Win (Levitt, R)

CLASSICS GENERAL

CLASSGEN 22N. Technologies of Civilization: Writing, Number, and Money—(F,Sem) GER:DB-Hum
4-5 units, Spr (Netz, R)

CLASSGEN 24N. Sappho: Erotic Poetess of Lesbos—(F,Sem)
GER:DB-Hum, EC-Gender
4-5 units, Spr (Peponi, A)

COMMUNICATION

COMM 118Q. Theories of Film Practice—(S,Sem) Write-2
4 units, Win (Breitrose, H)

COMPARATIVE LITERATURE

COMPLIT 10N. Shakespeare and Performance in a Global Context—
(F,Sem) GER:DB-Hum, EC-Gender
3 units, Spr (Parker, P)

COMPLIT 11Q. Shakespeare, Playing, Gender—(S,Sem) GER:DB-Hum, EC-Gender
3 units, Win (Parker, P)

COMPLIT 30N. Fascism and Culture—(F,Sem) (Same as ITALGEN 30N.) GER:DB-Hum
4 units, Aut (Schnapp, J)

COMPARATIVE MEDICINE

COMPMED 81N. Comparative Anatomy and Physiology of Mammals—(F,Sem) GER:DB-NatSci
3 units, Win (Bouley, D)

COMPMED 83Q. Horse Medicine—(S,Dial)
1-2 units, Aut (Green, S)

COMPUTER SCIENCE

CS 20N. The Role of Information Technology in Global Conflict Resolution—(F,Sem) GER:DB-EngrAppSci
3 units, Spr (Shoham, Y)

CS 26N. Motion Planning for Robots, Digital Actors, and Other Moving Objects—(F,Sem) GER:DB-EngrAppSci
3 units, Aut (Latombe, J)

CS 73N. Business on the Information Highways—(F,Sem) Write-2
3 units, Spr (Wiederhold, G; Barr, A; Tessler, S)

CS 74N. Digital Dilemmas—(F,Sem) GER:DB-EngrAppSci
3 units, Aut (Dill, D)

CS 99N. The Coming Revolution in Computer Architecture: What to Do with a Billion Transistors—(F,Sem)
3 units, Spr (Dally, W)

DEVELOPMENTAL BIOLOGY

DBIO 12Q. The Evolution and Development of the Human Hand—
(S,Sem)
3-4 units, Win (Porzig, E)

DRAMA

DRAMA 11N. Dramatic Tensions: Theater and the Marketplace—
(F,Sem) GER:DB-Hum
4 units, Aut (Freed, A)

DRAMA 14N. Shakespeare from Stage to Screen—(F,Sem) GER:DB-Hum
4 units, Aut (Rayner, A)

DRAMA 16N. Beauty or the Beast? Kitsch and Contemporary Culture—(F,Sem) GER:DB-Hum
4 units, Win (Jakovljevic, B)

DRAMA 17N. Del Otro Lado: Latina/o Performance Art in the U.S.—
(F,Sem) (Same as SPANLIT 178N.) GER:DB-Hum, EC-AmerCul
3 units, Win (Moraga, C)

DRAMA 180Q. Noam Chomsky: The Drama of Resistance—(S,Sem)
GER:DB-Hum
3 units, Spr (Rehm, R)

DRAMA 185Q. Law and Drama—(S,Dial)
1-2 units, Spr (Jakovljevic, B)

DRAMA 186Q. The Emergence of the Director—(S,Sem) GER:DB-Hum
4 units, Win (Jakovljevic, B)

DRAMA 187Q. The Stage in Dialogue with History—(S,Sem)
GER:DB-Hum
3 units, Aut (Weber, C)

DRAMA 189Q. Mapping and Wrapping the Body—(S,Sem) GER:DB-Hum, EC-Gender
3 units, Aut (Eddelman, W)

ECONOMICS

ECON 11N. Understanding the Welfare System—(F,Sem)
2 units, Aut (MaCurdy, T)

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

ECON 93Q. Global Capital Markets—(S,Dial)
3 units, Win (Marotta, G)

EDUCATION

EDUC 93Q. Young Children's Mathematical Thinking and Learning—
(S,Sem) GER:DB-SocSci
3 units, Win (Murata, A)

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

ELECTRICAL ENGINEERING

EE 15N. The Life of an Engineering Project—(F,Sem) GER:DB-EngrAppSci
3 units, Win (Goldsmith, A; Le, M)

EE 17N. Engineering the Micro and Nano Worlds: From Chips to Genes—(F,Sem) GER:DB-EngrAppSci
3 units, Spr (Pease, R; Maluf, N)

EE 20N. Hacking Things—(F,Sem)
3 units, Win (Peumans, P)

EE 21N. What is Nanotechnology?—(F,Sem) GER:DB-EngrAppSci
3 units, Aut (Wong, P)

EE 22N. Medical Imaging Systems—(F,Sem)
3 units, Win (Nishimura, D)

ENGINEERING

ENGR 159Q. Japanese Companies and Japanese Society—(S,Sem)
(Same as MATSCI 159Q.) GER:DB-SocSci
3 units, Spr (Sinclair, R)

ENGLISH

ENGLISH 14Q. John Donne: His Poetry, Prose, and the Early Modern World—(S,Sem) GER:DB-Hum
4-5 units, Aut (Brooks, H)

ENGLISH 51N. Drama Queens: Powerful Women on Stage—(F,Sem)
GER:DB-Hum
3 units, Aut (Friedlander, L)

ENGLISH 55N. American Sports, American Lives—(F,Sem)
3 units, Win (Rampersad, A)

ENGLISH 62N. Eros in Modern American Poetry—(F,Sem) GER:DB-Hum
3 units, Win (Fields, K)

ENGLISH 66N. Homage: The Art of Influence—(F,Sem) GER:DB-Hum
3 units, Aut (Tallent, E)

ENGLISH 69Q. Sources of Global Challenges Today, Possibilities for Global Solutions: A Literary Exploration—(S,Sem) GER:DB-Hum
3-5 units, Spr (Drake, S)

ENGLISH 70N. Shakespeare on Film—(F,Sem) GER:DB-Hum
3 units, Spr (Riggs, D)

ENGLISH 77N. Living in the Past: Italy in the Anglo-American Imagination—(F,Sem) GER:DB-Hum
3 units, Aut (Evans, M)

ENGLISH 82Q. Shakespeare's Plays—(S,Sem) GER:DB-Hum
5 units, Aut (Rebholz, R)

ENGLISH 83Q. Playwriting: A Workshop in Craft—(S,Sem)
4 units, Aut (DiPirro, K)

ENGLISH 87N. The Graphic Novel: Literature Lite?—(S,Sem)
GER:DB-Hum, Write-2
5 units, Win (Lunsford, A)

ENGLISH 88Q. Imagining Others: Cosmopolitanism in the 21st Century—(S,Sem)
4 units, Win (Savelson, K)

FEMINIST STUDIES

FEMST 188N. Imagining Women: Writers in Print and in Person—(S,Sem) Write-2
4-5 units, Spr (Miner, V)

FEMST 191Q. Writing Women's Lives—(S,Dial)
2 units, Aut (Miner, V)

FRENCH GENERAL

FRENGEN 45N. American Writers in 20th-Century Paris—(F,Sem)
GER:DB-Hum
3-4 units, Win (Alduy, C)

FRENGEN 180Q. Aspects of Contemporary French Society through Film—(S,Sem) GER:DB-Hum
4 units, Spr (Bertrand, M)

GENETICS

GENE 106Q. The Heart of the Matter—(S,Sem) (Same as BIOSCI 106Q.) GER:DB-NatSci
3 units, Win (Myers, R; Simoni, R)

GENE 109Q. Genomics: A Technical and Cultural Revolution—(S,Sem) (Same as BIOMEDIN 109Q.) Write-2
3 units, Win (Altman, R)

GEOLOGICAL AND ENVIRONMENTAL SCIENCES

GES 37N. Energy and the Environment on the Back of an Envelope—(F,Sem) GER:DB-NatSci
3 units, Aut (Caldeira, K)

GES 38N. The Worst Journey in the World: The Science, Literature, and History of Polar Exploration—(F,Sem) GER:DB-NatSci
3 units, Win (Dunbar, R)

GES 42N. Landscapes and Tectonics of the San Francisco Bay Area—(F,Sem)
5 units, Aut (Hilley, G)

GES 43N. Environmental Problems—(F,Sem) GER:DB-NatSci
3 units, Win (Loague, K)

GES 46N. Exploring the Critical Interface between the Land and Monterey Bay: Elkhorn Slough—(F,Sem)
3-5 units, Spr (Francis, C)

GES 55Q. The California Gold Rush: Geologic Background and Environmental Impact—(S,Sem) GER:DB-NatSci, Write-2
3 units, Win (Bird, D)

GES 56Q. Changes in the Coastal Ocean: The View From Monterey and San Francisco Bays—(S,Sem) GER:DB-NatSci
3 units, Spr (Dunbar, R)

GERMAN GENERAL

GERGEN 50N. Charlemagne's Germany—(F,Sem) GER:DB-Hum
3-4 units, Aut (Andersson, T)

GERGEN 104N. Resistance Writings in Nazi Germany—(S,Sem)
GER:DB-Hum
3 units, Aut (Bernhardt, E)

GERMAN LITERATURE

GERLIT 123N. The Brothers Grimm and Their Fairy Tales—(F,Sem)
GER:DB-Hum
4 units, Spr (Robinson, O)

GERLIT 133Q. Modernism and Fiction—(S,Sem) GER:DB-Hum
4 units, Spr (Berman, R)

HEALTH RESEARCH AND POLICY

HRP89Q. Introduction to Crosscultural Issues in Medicine—(S,Sem)
GER:EC-AmerCul
3 units, Win (Corso, I)

HISTORY

HISTORY 30N. Fiction and English Society—(F,Sem) GER:DB-Hum
4 units, Aut (Stansky, P)

HISTORY 34N. The European Witch Hunts—(F,Sem) GER:DB-Hum
4 units, Win (Stokes, L)

HISTORY 36N. Gay Autobiography—(F,Sem) GER:DB-Hum, EC-Gender
4 units, Spr (Robinson, P)

HISTORY 48Q. South Africa: Contested Transitions—(S,Sem) GER:DB-Hum
3 units, Win (Samoff, J)

HISTORY 51N. The American Enlightenment—(F,Sem) GER:DB-Hum
4-5 units, Win (Winterer, C)

HISTORY 62N. The Atomic Bomb in Policy and History—(F,Sem) GER:DB-SocSci
5 units, Spr (Bernstein, B)

HISTORY 90Q. Buddhist Political and Social Theory—(S,Sem) GER:DB-SocSci, EC-GlobalCom
4-5 units, Aut (Mancall, M)

HISTORY 91Q. Mao Zedong: The Man Who Would Become China—(S,Sem)
5 units, Spr (Mullaney, T)

HISTORY 94N. Colonialism and Collaboration—(F,Sem) GER:DB-SocSci, EC-GlobalCom
4-5 units, Win (Moon, Y)

HISTORY 97N. Modernizing Women in Japan—(F,Sem) GER:DB-Hum, EC-Gender
5 units, Aut (Wigen, K)

HUMAN BIOLOGY

HUMBIO 84Q. Social Justice, Responsibility, Health—(S,Sem)
4 units, Aut (Heaney, C)

HUMBIO 86Q. Love: An Exploration—(S,Sem)
3 units, Spr (Murray, A)

HUMBIO 87Q. Women and Aging—(S,Sem) (Same as MED 87Q.)
5 units, Win (Winograd, C)

HUMBIO 91Q. Neuroethology: The Neural Control of Behavior—(S,Sem) GER:DB-NatSci
3 units, Aut (Fernald, R)

HUMBIO 97Q. Sport, Exercise, and Health: Exploring Sports Medicine—(S,Sem) (Same as ORTHO 97Q.) Write-2
3 units, Aut, Spr (Matheson, G)

HUMBIO 99Q. Becoming a Doctor: Readings from Medical School, Medical Training, Medical Practice—(S,Sem)
4 units, Aut (Zaroff, L)

ITALIAN GENERAL

ITALGEN 30N. Fascism and Culture—(F,Sem) (Same as COMPLIT 30N.) GER:DB-Hum
4 units, Aut (Schnapp, J)

JAPANESE GENERAL

JAPANGEN 71N. Language and Gender in Japan: Myths and Reality—(F,Sem) GER:DB-SocSci, EC-Gender
4 units, Spr (Matsumoto, Y)

JAPANGEN 75N. Around the World in Seventeen Syllables: Haiku in Japan, the U.S., and the Digital World—(F,Sem) GER:DB-Hum
3-4 units, Aut (Carter, S)

LAW

LAWGEN 107Q. Legal Craft and Moral Intuitions—(S,Sem) (Same as POLISCI 33Q.) GER:DB-SocSci, EC-EthicReas
4 units, Win (Kelman, M)

LAWGEN 109Q. The History of Punishment and Sentencing in California—(S,Sem)
3 units, Aut (Weisberg, R; Dansky, K)

LINGUISTICS

LINGUIST 37Q. Forensic Linguistics—(S,Dial)
2 units, Spr (Traugott, E)

LINGUIST 44N. Living with Two Languages—(F,Sem) GER:DB-SocSci
3 units, Spr (Clark, E)

LINGUIST 46Q. Slips of the Tongue—(S,Sem)
3 units, Spr (Zwicky, A)

LINGUIST 62N. The Language of Food—(F,Sem)
3 units, Win (Jurafsky, D)

LINGUIST 63N. Translation—(F,Sem) GER:DB-SocSci
3 units, Aut (Kay, M)

MANAGEMENT SCIENCE AND ENGINEERING

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

MS&E 93Q. Nuclear Weapons, Terrorism, and Energy—(S,Sem) GER:DB-EngrAppSci
3 units, Spr (Hecker, S)

MS&E 94Q. The Public Use and Misuse of Mathematics: How to Interpret Numbers as Used by Media and Politicians—(S,Sem)
3 units, Spr (May, M)

MATERIALS SCIENCE AND ENGINEERING

MATSCI 70N. Building the Future: Invention and Innovation with Engineering Materials—(F,Sem) GER:DB-EngrAppSci, Write-2
5 units, Spr (Bravman, J)

MATSCI 159Q. Japanese Companies and Japanese Society—(S,Sem) (Same as ENGR 159Q.) GER:DB-SocSci
3 units, Spr (Sinclair, R)

MATHEMATICS

MATH 80Q. Capillary Surfaces: Explored and Unexplored Territory—(S,Sem)
3 units, Win (Finn, R)

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

MECHANICAL ENGINEERING

ME 10N. Form and Function of Animal Skeletons—(F,Sem) GER:DB-EngrAppSci
3 units, Win (Carter, D)

ME 13N. Redesigning the Human Experience—(F,Sem) GER:DB-EngrAppSci
3 units, Win (Leifer, L)

ME 16N. The Science of Flames—(F,Sem) GER:DB-EngrAppSci
3 units, Spr (Mitchell, R)

ME 18Q. Creative Teams and Individual Development—(S,Sem) GER:DB-EngrAppSci
3 units, Aut (Wilde, D)

ME 19N. Robotics—(F,Sem) GER:DB-EngrAppSci
3 units, Win (Niemeyer, G)

ME 24N. Designing the Car of the Future—(F,Sem) GER:DB-EngrAppSci
3 units, Aut (Gerdes, C)

MEDICINE

MED 70Q. Cancer and the Immune System—(S,Sem) Write-2
3 units, Spr (Negrin, R)

MED 86Q. Seeing the Heart—(S,Dial)
1-2 units, Win (McConnell, M)

MED 87Q. Women and Aging—(S,Sem) (Same as HUMBIO 87Q.)
5 units, Win (Winograd, C)

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

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

MED 120Q. Pathophysiology of Diseases of the Heart and Blood Vessels—(S,Sem)
3 units, Spr (Stertzer, S)

MICROBIOLOGY AND IMMUNOLOGY

MI 25N. Modern Plagues—(F,Sem) Write-2
3 units, Spr (Boothroyd, J)

MOLECULAR AND CELLULAR PHYSIOLOGY

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

MUSIC

MUSIC 11N. A View from the Podium: The Art of Conducting—
(F,Sem) GER:DB-Hum
3 units, Aut (Cai, J)

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

MUSIC 13Q. Classical Music and Politics: Western Music in Modern China—(S,Sem) GER:DB-Hum, EC-GlobalCom
3 units, Spr (Cai, J)

MUSIC 14N. Women Making Music—(F,Sem) GER:DB-Hum, EC-Gender
3 units, Spr (Hadlock, H)

MUSIC 15N. The Role of Technology in the Arts—(F,Sem) GER:DB-Hum
3 units, Spr (Berger, J)

MUSIC 16N. Music, Myth, and Modernity: Wagner's Ring Cycle and Tolkien's Lord of the Rings—(F,Sem) GER:DB-Hum, EC-GlobalCom
3 units, Spr (Grey, T)

MUSIC 17N. The Operas of Mozart—(F,Sem) GER:DB-Hum
3 units, Win (Berger, K)

MUSIC 17Q. Perspectives in North American Taiko—(S,Sem)
GER:DB-Hum, EC-AmerCul
4 units, Spr (Sano, S; Uyechi, L)

MUSIC 34N. The Work of Art as Noun and Verb—(F,Sem) GER:DB-Hum
4 units, Spr (Applebaum, M)

NEUROLOGY AND NEUROLOGICAL SCIENCES

NENS 66Q. The Diseased Brain: Multiple Sclerosis as a Model of Neurological Illness—(S,Sem) Introduction to medical neuroscience through multiple sclerosis. Examination of gross and microscopic specimens of normal and diseased human brains; diagnostic test procedures; diagnostic reasoning processes leading to identification of illnesses; and the medical, social, and psychological dimensions of living with chronic illness and disability. Patient interviews and demonstrations of neurodiagnostic procedures such as electroencephalography (EEG), electromyography (EMG), cerebrospinal fluid analysis, and magnetic resonance imaging (MRI). Recommended: background in biological sciences.
3 units, Win (Dorfman, L)

NENS 67N. Intracellular Trafficking and Neurodegeneration—(S,Sem) Cell structures and functions, the intracellular trafficking system that maintains exchanges of materials and information inside cells, and clinical features and pathologies of neurodegenerative diseases. Techniques for examining cellular and subcellular structures, especially cytoskeletons; functional insights generated from structural explorations. Prerequisite: high school biology.
3-5 units, Spr (Yang, Y)

OBSTETRICS AND GYNECOLOGY

OBGYN 78Q. Darwin's Evolution and Genomic Revolution—(S,Sem)
3 units, Win (Hsueh, A)

ORTHOPEDIC SURGERY

ORTHO 97Q. Sport, Exercise, and Health: Exploring Sports Medicine—(S,Sem) (Same as HUMBIO 97Q.) Write-2
3 units, Aut, Spr (Matheson, G)

PATHOLOGY

PATH 103Q. Lymphocyte Migration—(S,Dial)
1 unit, Aut (Michie, S)

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

PEDIATRICS

PEDS 111Q. Issues of Race and Ethnicity in the Health of Children—(S,Sem) Medicine and pediatrics from a public-health, evidence-based perspective. How research methods unmask health issues for at-risk racial and ethnic groups of children. Determinants of health with regard to race and ethnicity and ideas for changes in public policy. Students identify an area of interest and proposed intervention.
3-4 units, Spr (Burgess, A)

PHILOSOPHY

PHIL 12N. Mortal Questions—(F,Sem) GER:DB-Hum
3 units, Aut (Burgess, A)

PHIL 14N. Belief—(F,Sem) GER:DB-Hum
3 units, Win (Lawlor, K)

PHIL 16N. Values and Objectivity—(F,Sem) GER:DB-Hum
3 units, Aut (Ryckman, T)

PHIL 17N. The Logic of Social Justice—(F,Sem) GER:DB-SocSci
3 units, Win (Pauly, M)

PHYSICS

PHYSICS 41N. Mechanics: Insights, Applications, and Advances—(F,Sem)
1 unit, Win (Abel, T)

PHYSICS 43N. Understanding Electromagnetic Phenomena—(F,Sem)
1 unit, Spr (Drell, P)

PHYSICS 83N. Physics in the 21st Century—(F,Sem) GER:DB-NatSci
3 units, Win (Dimopoulos, S)

PHYSICS 84Q. The Rise of Machines—(S,Sem)
3 units, Spr (Schindler, R)

PHYSICS 87N. The Physics of One: Nanoscale Science and Technology—(F,Sem) GER:DB-NatSci
3 units, Win (Manoharan, H)

POLITICAL SCIENCE

POLISCI 16N. Politics of Economic Development—(F,Sem) GER:DB-SocSci, Write-2
5 units, Spr (Tomz, M)

POLISCI 33Q. Legal Craft and Moral Intuitions—(S,Sem) (Same as LAW 107Q.) GER:DB-SocSci, EC-EthicReas

4 units, Win (Kelman, M)

POLISCI 35Q. Food and Politics—(S,Dial)

2 units, Win (Reich, R)

POLISCI 43N. Oil, Regime Change, and Conflict—(S,Sem)

5 units, Aut (Karl, T)

POLISCI 44N. Everyday Political Life in the Authoritarian Middle East—(F,Sem)

5 units, Aut (Blaydes, L)

POLISCI 45N. Civil War Narratives—(F,Sem) GER:DB-SocSci

5 units, Win (Laitin, D)

PORTUGUESE LITERATURE

PORTLIT 193Q. Spaces and Voices of Brazil through Films—(S,Sem)

3-4 units, Aut (Wiedemann, L)

PSYCHIATRY

PSYC 72Q. Traumatic Stress—(S,Sem) Effects of traumatic events; interventions to alleviate their psychosocial impact. Events include natural disasters, illness, interpersonal violence, war, the Holocaust, and terrorism. Resilience factors that protect individuals from adverse effects. Oral and multimedia presentation. Write-2

3 units, Spr (Koopman, C)

PSYC 76Q. Temperament and Creativity in Mood Disorders—(S,Sem)

Western cultural notions of mad geniuses and artistic temperaments. How many individuals who suffer from depression, bipolar disorder, and related problems are nonetheless productively creative. Current psychological and neurobiological research, and assessment of mood, temperament, and creativity. Emphasis is on written and oral communications and multimedia presentations. Write-2

4 units, Win (Ketter, T)

PSYC 78Q. Mental Health in Collegiate Athletes—(S,Sem) Developmental, social, and performance issues in collegiate sports. Topics include transition to Stanford, time management, coping with injuries.

3 units, Win (Steiner, H; Denny, K)

PSYC 111Q. Madness and the Womb: Mental Illness in Women through the Centuries—(S,Sem) Historical and current concepts of mental illness in women. Premenstrual dysphoric disorder (PMS), postpartum depression, menopausal mood disorders, and eating disorders. Historical biopsychosocial approach. Readings include women's diaries and advice books, physicians' casebooks, and 19th- and 20th-century medical texts. Guest speakers from art and literature departments. Literary and artistic images, and the social and cultural contexts of these disorders during the last 300 years.

3 units, Win (Rasgon, N; Williams, K)

PSYCHOLOGY

PSYCH 8N. Life Span Development—(F,Sem) GER:DB-SocSci

3 units, Spr (Carstensen, L)

PSYCH 12N. Self Theories—(F,Sem) GER:DB-SocSci

3 units, Aut (Dweck, C)

PSYCH 16N. Amino Acids and Affect—(F,Sem) GER:DB-SocSci

3 units, Win (Knutson, B)

PSYCH 17N. Language and Society: How Languages Shape Lives—(F,Sem) GER:DB-SocSci

3 units, Aut (Boroditsky, L)

PSYCH 18N. Early Social Cognitive Development—(F,Sem) GER:DB-SocSci

3 units, Spr (Johnson, S)

RELIGIOUS STUDIES

RELIGST 5N. Three Sacred Stories of Judaism, Christianity, and Islam—(F,Sem) GER:DB-Hum, EC-GlobalCom

3-4 units, Aut (Gregg, R)

RELIGST 7N. The Divine Good: Secular Ethics and Its Discontents—(F,Sem) GER:DB-Hum, EC-EthicReas

4 units, Win (Sockness, B)

RELIGST 8N. Francis of Assisi: An Exemplary Saint—(F,Sem) GER:DB-Hum

3 units, Aut (Gelber, H)

SCIENCE, TECHNOLOGY, AND SOCIETY

STS 101Q. Technology in Contemporary Society—(S,Sem) GER:DB-SocSci

4 units, Aut (McGinn, R)

SLAVIC GENERAL

SLAVGEN 13N. Russia and the Russian Experience—(F,Sem) GER:DB-Hum

3-4 units, Win (Schupbach, R)

SLAVGEN 77Q. Russia's Weird Classic: Nikolai Gogol—(S,Sem) GER:DB-Hum

3-4 units, Aut (Fleishman, L)

SOCIOLOGY

SOC 15N. The Transformation of Socialist Societies—(F,Sem) GER:DB-SocSci, EC-GlobalCom

3 units, Win (Tuma, N)

SOC 22N. The Roots of Social Protest—(F,Sem) GER:DB-SocSci

3 units, Aut (Olzak, S)

SOC 45Q. Understanding Race and Ethnicity in American Society—(S,Sem) GER:DB-SocSci

5 units, Aut (Snipp, C)

SOC 46N. Race, Ethnic, and National Identities: Imagined Communities—(F,Sem) GER:DB-SocSci

3 units, Spr (Rosenfeld, M)

SPANISH LITERATURE

SPANLIT 101N. Visual Studies and Chicana/o Art—(F,Sem) GER:DB-Hum, EC-AmerCul

3-5 units, Spr (Yarbro-Bejarano, Y)

SPANLIT 104N. Race and Slavery in Literature of the 19th-Century Spanish Empire—(F,Sem) GER:EC-GlobalCom

3-4 units, Aut (Surwillo, L)

SPANLIT 108Q. Latin American Cinema: Politics and Aesthetics—(S,Sem) GER:DB-Hum

3-4 units, Win (Ruffinelli, J)

SPANLIT 114N. Lyric Poetry—(F,Sem)

3-5 units, Spr (Predmore, M)

SPANLIT 119N. Buenos Aires, Havana, Mexico City: Modernism and the Latin American City—(F,Sem)

3 units, Win (Gallo, R)

SPANLIT 178N. Del Otro Lado: Latina/o Performance Art in the U.S.—(F,Sem) (Same as DRAMA 17N.) GER:DB-Hum, EC-AmerCul

3 units, Win (Moraga, C)

SPECIAL LANGUAGE PROGRAM

SPECLANG 198Q. Modern Greece in Film and Literature—(S,Sem)
GER:DB-Hum, EC-GlobalCom
3-5 units, Aut (Prionas, E)

STATS 43N. Displaying Data: Principles, Computer Graphics, and the Internet—(F,Sem) GER:DB-Math
3 units, Spr (Walther, G)

STATISTICS

STATS 47N. Breaking the Code?—(F,Sem) GER:DB-Math
3 units, Spr (Holmes, S)

SURGERY

SURG 67Q. Medical Experience in Foreign Lands—(S,Sem)
3 units, Win (Wang, N; Laub, D)

SURG 68Q. Current Concepts in Transplantation—(S,Sem) Write-2
3 units, Spr (Martinez, O; Krams, S)

SURG 69Q. It's All in the Head: Understanding Diversity, Development, and Deformities of the Face—(S,Sem) Write-2
3-4 units, Win (Helms, J; Brugmann, S)

This file has been excerpted from the *Stanford Bulletin*, 2007-08, pages 48-56. Every effort has been made to ensure accuracy; post-press changes may have been made here. Contact the editor of the bulletin at arod@stanford.edu with changes or corrections. See the bulletin web site at <http://bulletin.stanford.edu> for additional information.