141. Tolstoy in English (4)  Lecture—3 hours; term paper. Study of Leo Tolstoy's literary evolution and moral quest. Readings include his Confession, a major novel such as War and Peace or Anna Karenina, and representative shorter fiction. GE credit: ArtHum, Div, Wrt|AH, OL, WE.—Stuchebrukhov

142. Women in Russian Culture (4)  Lecture/discussion—3 hours; term paper. Prerequisite: any introductory course in literature. Study of the representation of (and by) women in contemporary Russian fiction and film. Exploration of issues such as family dynamics/motherhood, sexuality, work, and women’s relationship to the state. Offered in English. GE credit: ArtHum | AH, WC, WE.—Kaminer

143. Chekhov (in English) (4)  Lecture/discussion—3 hours; extensive writing. Examination of Chekhov’s short stories and major plays, such as The Seagull, Uncle Vanya, The Three Sisters, The Cherry Orchard, and Ivanov, in the broader cultural context of European and Russian fin d’ siècle. GE credit: ArtHum, Div, Wrt|AH, OL, WE, WE.—Stuchebrukhov

150. Russian Culture (4)  Discussion—3 hours, term paper. Knowledge of Russian as a foreign language not required. Study of Russian culture in nineteenth and twentieth centuries. Brief introduction of the beginnings up to nineteenth century. Russian art, music, philosophy, church, traditions, and daily life. GE credit: ArtHum, Div, Wrt|AH, WC, WE.

192. Research Essay (2)  Prerequisite: A Russian literature course (may be taken concurrently). A research essay, based on primary and secondary sources, dealing in depth with a topic arising from or related to the prerequisite literature course. May be repeated for credit. GE credit: ArtHum | AH, WC.

194H. Special Study for Honors Students (1-5)  Independent study—4 hours. Prerequisite: open only to majors of senior standing who qualify for honors program. Guided research, under the direction of a faculty member, leading to a senior honors thesis on a topic in Russian studies.

195H. Honors Thesis (4)  Independent study—4 hours. Prerequisite: course 194H. Writing an honors thesis, under the direction of a faculty member, on a topic in Russian studies.

197T. Tutoring in Russian (1-4)  Seminars—1-2 hours; laboratory—1-2 hours. Prerequisite: upper division standing; consent of instructor. Tutoring in undergraduate courses, including leadership in small voluntary discussion groups affiliated with departmental courses. May be repeated six times for credit. (P/NP grading only.)

198. Directed Group Study (1-5)  (P/NP grading only.)

199. Special Study for Advanced Undergraduates (1-5)  (P/NP grading only.)

Graduate

299. Individual Study (1-12)  Prerequisite: graduate standing. Restricted to graduate students. May be repeated for credit. (S/U grading only)

Professional

396. Teaching Assistant Training Practicum (1-4)  May be repeated for credit. (S/U grading only)

Science and Society

[College of Agricultural and Environmental Sciences]  David M. Rizzo, Ph.D., Program Director

Program Office. 152 Hutchison Hall  5307547277
Science and Society 541

5. Pathways to Discovery: Science and Society (3)
Lecture/discussion—3 hours. Highlights a current issue and/or controversy found in contemporary society and looks at how this problem impacts and is affected by the physical, social and biological sciences. Course varies with topic offered. May be repeated two times for credit. GE credit: SciEng or SocSci, Wtr| SE or SS.

7. Terrorism and War (4)
Lecture—3 hours; discussion—1 hour; term paper. Exploration of terrorism and war from science and social sciences perspectives. Territorial cells and groups; biological, chemical, nuclear, and environmental terrorism; intelligence gathering and espionage; military strategy; genocide; apocalyptic; world wars; clash of civilizations; nation building; and future global scenarios. GE credit: SciEng or SocSci, Div, Wtr| SE or SS, WE—S. (J.) Corey

7V. Terrorism and War (4)
Web Virtual Lecture—3 hours, tutorial—5 hours, web electronic discussion—1 hour, written assignment; term paper or discussion. Prerequisite: consent of instructor. Terrorism and war from science and social sciences perspectives: terrorism (terrorist cells, WMD’s, religious extremism, military strategy, genocide), and statecraft (diplomacy, clash of civilizations, apocalyptic). GE credit: SocSci, Wtr| WC, WE—S.

8. Water Quality at Risk (3)
Lecture—2 hours; discussion—1 hour. Natural and human threats to water quality. Balance of science and policy in all aspects of attaining, maintaining, and managing water quality, water contamination. Decoding popular media coverage of water quality and water contamination. [Same course as Environmental Science and Management B.] Not open to students who have successfully completed Environmental and Resource Sciences B. GE credit: SciEng or SocSci, Wtr| SE or SS, SL, WE—W. (W.) Hernes

9. Crisis in the Environment (3)
Lecture—3 hours. Explores contemporary environmental issues by examining causes, effects and solutions to a wide range of environmental problems facing the global ecosystem. Integrated discussion of political, societal and economic impact linkages with environmental problems. GE credit: SciEng or SocSci, Wtr| SE or SS, WE—S. (S.) Dahlgren, Houlton

10. Water, Power, Society (3)
Lecture—2 hours; discussion—1 hour. Water resources issues. How water has been used to gain and wield socio-political power. Water resources development in California as related to current and future sustainability of water quantity and quality. Roles of science and policy in water problems. [Same course as Hydrologic Science 10.] GE credit: SciEng or SocSci, Wtr| SE or SS, SL—S. (S.) Fogg

11. California Geography (3)
Lecture—2 hours; discussion—1 hour; term paper. Introduction to cultural/societal patterns of Californians and their relationship to natural resources, biomes, geomorphology, and physiography. Focus on diversity of California’s ecosystems and their impacts on and alterations by human activities. Environmental issues in the State. GE credit: SciEng or SocSci, Wtr| SE or SS, WE—F. (F.) Richards

12. Plants and Society (4)

Faculty
Arnold Bloom, Ph.D., Professor (Plant Sciences)
Richard M. Bostock, Ph.D., Professor (Plant Pathology)
James Carey, Ph.D., Professor (Entomology)
Gita Coaker, Ph.D., Assistant Professor (Plant Pathology)
Edward Caswell-Chen, Ph.D., Professor (Entomology)
Douglas R. Cook, Ph.D., Professor (Plant Pathology)
Randy Dahlgren, Ph.D., Professor (Land, Air and Water Resources) Academic Senate Distinguished Teaching Award
Lynn Epstein, Ph.D., Professor (Plant Pathology)
Albert Eskridge, Ph.D., Professor (Plant Sciences)
Graham Fogg, Ph.D., Professor (Land, Air and Water Resources)
David Gilchrist, Ph.D., Professor (Plant Pathology)
Thomas Goos, Ph.D., Professor (Plant Pathology)
John Harada, Ph.D., Professor (Plant Biology)
Annie King, Ph.D., Professor (Animal Science)
Johan Leveau, Ph.D., Assistant Professor (Plant Sciences)
James D. Murray, Ph.D., Professor (Animal Science)
Terrence Nathan, Ph.D., Professor (Land, Air and Water Resources)
Sanjai J. Parikh, Ph.D., Assistant Professor (Land, Air and Water Resources)
Gregory Pasterнак, Ph.D., Professor (Land, Air and Water Resources)
James H. Richards, Ph.D., Professor (Land, Air and Water Resources)
David Rizzo, Ph.D., Professor (Plant Pathology)
Pamela C. Ronald, Ph.D., Professor (Plant Pathology)
Wendy Silk, Ph.D., Professor (Land, Air and Water Resources)
Li Tian, Ph.D., Assistant Professor (Plant Sciences)

The Program. Science and Society is an interdisciplinary teaching program administered by the College of Agricultural and Environmental Sciences. The Program is a unique educational experience that offers students throughout the campus the opportunity to discover the connections that link the social, biological, and physical sciences with societal issues and the field of science. Course work examines discovery processes in relation to societal values, public policy and ethics, including issues associated with cultural diversity. Whenever possible, opportunities for students to observe active research are included as part of the learning experience.

Minor Program Requirements:

UNITS
Science and Society 22-27
Science and Society 1 4
Science and Society 2, 5, 15, 20, 30 ... 2-4
One course from each of the four following areas:

History and Philosophy of Science:
Community and Regional Development 118, 162, 185A, 185B, History and Philosophy of Science 150, Nature and Culture 100, Philosophy 107, 108, or 109 4

Policy, Decision-Making, Social and Resource Economies 120, 147, 150, Consumer Science 100, Environmental Science and Policy 160, 165, Political Science 155 or 181 3-4

Communication:
Agricultural Education 172, Agricultural Management and Rangeland Resources 22, Anthropology 120, Communication 115, 130, 135, 138, 140, Community and Regional Development 174, Linguistics 163, Political Science 165 3-4

Culture, Ethics and Applications:
Agricultural Management and Rangeland Resources 101, Community and Regional Development 142, Environmental Science and Policy 126, 164, Fiber and Polymer Science 110, International Science 151, Plant Pathology 140, Sociology 144 3-4

Science and Society 120 3

Minor Adviser, D.M. Rizzo


Courses in Science and Society (SAS)

Lower Division

1. Critical Inquiry into Contemporary Issues (4)
Lecture/discussion—3 hours; discussion—1 hour. Open to first year and new transfer students only. Contemporary issues, including global population trends, economic and environmental changes, cultural diversity and biodiversity, nutrition and food safety, fiber and textiles, human consuming culture. Inquiry processes emphasize ethics, multiple disciplines, and multiple perspectives. GE credit: SciEng or SocSci, Div, Wtr| SE or SS, WE—F. (F.) Caswell-Chen

2. Feeding the Planet: Influences on the Global Food Supply (3)
Lecture/discussion—3 hours. Scientific principles and dynamic interactions involved in food production, food processing, marketing, work-life and marketing from differing viewpoints. Physical, biological and social science issues influencing the availability and safety of the food supply worldwide. GE credit: SciEng or SocSci, Wtr| SE or SS, SL—W. (W.) Bos tack, Davis

3. Science, Technology and Society (4)
Lecture—4 hours. Impact of developments in science and technology on the individual in society and how economics, politics, culture and values affect technological development. Not open for credit to students who have completed former course Applied Behavioral Sciences 18. Offered irregularly. GE credit: SciEng or SocSci, Wtr| SE or SS, SL—F. (F.) Pasternack

4. Water in Popular Culture (3)
Film viewing—2 hours; discussion—1 hour; lecture—1 hour. Importance of water in many aspects of society as revealed through a survey of its depictions in film. GE credit: SciEng or SocSci, Wtr| SE or SS, SL—F. (F.) Pasternack

Pre-Fall 2011 General Education (GE) Art/Hum—Arts and Humanities; SciEng—Science and Engineering; SocSci—Social Sciences; Div—Domestic Diversity; Wrt—Writing Experience Quarter Offered: F—Fall, W—Winter, S—Spring, SS—Summer; 2011/2012 offering in parentheses
13. Disease and Society (3)
Lecture—3 hours. Limited enrollment. Introduction to the concept of disease, the societal and personal impacts of past and future diseases, and the science behind disease discoveries, causes, evolution, diagnosis, treatment, and prevention. GE credit: SciEng or SocSci | SE or SS, SL—W. (W. J.) Leveau

15. AIDS and Society (4)
Lecture—3 hours; discussion—1 hour. Biology of HIV transmission and AIDS and how a biological agent acts on and influences the structures of contemporary society. Includes the biology of risk and stigma, gender issues, changes in social relationships and public policy, global implications. GE credit: SciEng or SocSci, Div | Wrt| SE or SS—S. (S.) Radilde

18. Global Climate Change and the Environment (3)
Lecture—2 hours; laboratory—3 hours; term paper or discussion—0.3 hours. Geographic Information Systems (GIS) as a spatial technology and a tool for change in society. Evaluate physical, biological, and social impact of GIS in the context of cases such as land, water, and community planning. GE credit: SciEng or SocSci, Wrt | OL, SE or SS, SL, VL—S. (S.) Wallender

20. Gene and Society (4)
Lecture—3 hours; discussion—1 hour. Not open for credit to students who have completed course 140. Basic concepts of genetics, modern methods of bio-technology, the process of scientific discovery and the public perception of the process; present and future impact of genetics on society. GE credit: SciEng or SocSci, Wrt | OL, SE or SS, SL, WE—F, W, F. (W.) Cooker, Cook, Epstein, Ronald

25. Global Climate Change: Convergence of Biological, Geophysical, & Social Sciences (3)

25V. Global Climate Change: Convergence of Biological, Geophysical, & Social Sciences (3)

30. Mushrooms, Molds, and Society (3)
Lecture/discussion—3 hours. Fungi as organisms with which humans interact daily; societal issues arising from these fungi in medicine, religion, agriculture, and industry, as well as cultural perceptions of fungi. GE credit: SciEng or SocSci, Wrt | SE or SS—F, W, F. (W.) Gilchrist, Gordon, Rizzio

40. Photography: Bridging Art and Science (3)
Lecture/discussion—2 hours; studio—3 hours. Photography is used to explore the common ground between art and science. Discussion of processes, creativity and aesthetics, chaos and order, principles of space, time and light. Photographic interpretation and documentation of the natural world. GE credit: ArtHum, Div | SciEng or SocSci, Wrt | Wrt | AH or SE or SS, SL, VL, WE—S. (S.) Nathan

41. Understanding Performance: Appreciation of Modern Theatre, Dance, Film and Performance Art for the Humanities and Sciences (4)
Lecture/discussion—3 hours; laboratory/discussion—1 hour. Relevance of theatre and performance to modern culture, science and society. Approaches to theatre/dance/media/performative art, integrated into Monday Centre for the Arts and Theatre and Dance Department's course 41 Dramatic Art S.) GE credit: ArtHum, Div | AH, DD, OL, VL, WE, W, F, S, F, W, S. (F, W, S.)

42. Earth, Water, Science, Song (3)
Lecture—2 hours; studio—3 hours. Fusion of water and soil science with performing arts. Creative communication of scientific concepts and facts through exercises in song writing and poetry. Design, discuss and conduct public performances related to the functioning of the natural world. GE credit: SciEng or ArtHum | AH or SE, OL—W. (W.) Silk

70A. Genetic Engineering in Medicine, Agriculture, and Law (5)
Lecture—5 hours. Not open to students who have taken Biological Sciences 2A or equivalent, or course 20; concurrent enrollment in Plant Biology 98 required. Historical and scientific study of the impact of genetic engineering in medicine, agriculture and law. Emphasis on examination of social, ethical, and legal issues raised. Offered in a distance-learning format. GE credit: SciEng or SocSci | SE or SS, Sl—W. (W.) Harada

90A. Issues in Environmental and Resource Sciences (2)
Seminar—2 hours; two Saturday field trips. Prerequisite: limited to lower division students. Discussion of historical and current issues in environmental and resource sciences. Lectures, reading and field trips will provide background for selected topics.—F, W, F. (W.)

90B. Observing and Writing in Biology (2)
Seminar—1 hour; laboratory—1 hour; term paper. Seminar will provide background for selected topics.—F, W, W. (W.)

90C. Herbal Medicine: Relevance for the 21st Century (2)
Seminar—2 hours. Medicinal usage of plants from biological, historical, and cultural perspectives. Broads context of holistic and scientific paradigms for understanding herbal medicine. Saturday field trip to teach herb identification.—W. (W.)

90D. Saving Endangered Plant Species: Problems and Prospects (2)
Seminar—2 hours. Endangered plant species illustrate the value of conservation biology. Topics include societal issues and plant germplasm conservation, comparison to animal conservation issues, and the economics of and justification for preserving endangered species.—F. (F.) Parikh

90E. Biotechnology—a New Era, a New Struggle (2)
Seminar—2 hours. Animal biotechnology and its applications. Discussion topics include potential societal impacts of transgenic livestock, factors shaping public opinion, and ethical and moral questions arising from new biotechnology applications.—F. (F.) Murray

90F. Food Distribution in a Hungry World (2)
Seminar—2 hours. Class size limited to 15 students. The biological, technological, environmental, and socioeconomic factors related to food distribution systems at local, national, and international levels. The potential for increasing world food supply by reducing losses between harvest and consumption.—F. (F.)

90G. Science, Society and the Environment (2)
Seminar—2 hours. Contemporary environmental issues, scientific approaches to addressing these issues, and accompanying societal and ethical considerations.—W. (W.)

90X. Lower Division Seminar (1-4)
Seminar—1-4 hours. Prerequisite: lower division standing; consent of instructor. Limited enrollment. Examination of a special topic in Science and Society through shared readings, discussions, written assignments, or special activities such as fieldwork, laboratory work, etc. May be repeated for credit.—F, W, F, W, S. (F, W, S.)

91A. Explorations in Science and Society: Cultures and Identities (2)
Seminar—1 hour; extensive writing or discussion—1 hour. Prerequisite: participation in the summer Special Transitional Enrichment Program (STEP) course sent of instructor; course 1 concurrently. Exploration of linkages among identity and culture, multi-disciplinary inquiry, and agricultural and environmental science issues.—F, W

91B. Explorations in Science and Society: Leadership and Collaboration (2)
Seminar—1 hour; extensive writing or discussion—1 hour. Prerequisite: course 91A or consent of instructor. Extends understanding of culture and identity to issues of leadership, collaboration, and social action in science and society. Includes a mandatory two and half day retreat.—W, W.

91C. Explorations in Science and Society: Engagement (2)
Seminar—1 hour; internship—3 hours. Prerequisite: course 91B or consent of instructor. Explorations of the concept of engagement in science and society from philosophical and practical perspectives. Exploration of the concept of engagement based on lectures, self reflection, discussions and three hours of K-12 school internships per week.—S. (S.)

92. Internship in Science and Society (1-12)
Internship—3-36 hours. Prerequisite: lower division standing and consent of instructor. Supervised internship on and off campus, in the community, or in institutional settings. (P/NP grading only.)

97T. Tutoring in Science and Society (2-3)
Discussion/lecture—6-9 hours. Prerequisite: lower division standing; consent of course instructor. Tutoring in science and society courses. Assisting with lead discussions, and half day retreat.

98. Directed Group Study (1-5)
Prerequisite: consent of instructor. (P/NP grading only)

99. Special Study for Undergraduates (1-5)
Discussion—3-15 hours. Prerequisite: lower division standing and consent of instructor. (P/NP grading only)

Upper Division

110. Applications of Evolution in Medicine, Human Behavior, and Agriculture (4)
Lecture—2 hours; discussion—1 hour; term paper. Prerequisite: Biological Sciences 2A, 2B, and 2C. Class size limited to 60 students. Applications of evolutionary biology in medicine, human behavior, and agriculture. Examination of the imprint of evolution on the human life cycle from conception to death. GE credit: SciEng | SE, SL, WE—S. (S.) Rosenberg

120. Science and Contemporary Societal Issues (3)
Lecture/discussion—3 hours. Prerequisite: upper division standing. Study of a contemporary societal issue, problem emphasizing critical thinking with information drawn from several disciplines. Multiple instructors illustrate the necessity of an interdisciplinary and cooperative approach in solving important issues. Topic will vary. May be repeated one time for credit. Offered irregularly. GE credit: SciEng or SocSci, Wrt | Wrt | SE or SS—S. (S.)

121. Global Poverty: Critical Thinking and Taking Action (4)
Lecture—3 hours; discussion—1 hour. Social science and engineering analysis of causes and effects of world poverty and of policies to reduce it via economic growth, foreign aid, and community-level interventions, e.g., in small water, sanitation,
Science and Technology Studies

College of Letters and Science

Timothy Choy, Ph.D., Program Director
Program Office, 101 Young Hall; staadvising@ucdavis.edu; http://sts.ucdavis.edu

Committee in Charge

Mario Biagioli, Ph.D. (Science and Technology Studies, School of Law)
Patrick Carroll, Ph.D. (Sociology)
Timothy Choy, Ph.D. (Anthropology)
Joseph Dumit, Ph.D. (Anthropology, Science and Technology Studies)
Kathleen Frederick, Ph.D. (English)
James Griesemer, Ph.D. (Philosophy, Science and Technology Studies)
Colin Milburn, Ph.D. (Science and Technology Studies)
Robert Millstein, Ph.D. (Philosophy)
Kris Ravetto-Biagioli, Ph.D. (Cinema and Digital Media, Science and Technology Studies)
Daniel Stolzenberg, Ph.D. (History)

The Major Program

The Science and Technology Studies (STS) major brings the perspectives of the humanities and social sciences to bear on the analysis and synthesis of science, technology, and medicine. It considers science, technology, and medicine, in tandem with their social, political, economic, and cultural contexts and implications. The major draws on the research programs of faculty in a wide range of departments, including American Studies, Anthropology, Economics, Environmental Science and Policy, History, Philosophy, Political Science, Science and Technology Studies, and Sociology. The major is suitable for students pursuing a broader understanding of science than is available within a traditional science major and for students in the social sciences interested in science and society.

The Program

Graduation with a degree in Science and Technology Studies requires completion of introductory courses in the social sciences and humanities, in the natural sciences, and introductory, laboratory, and seminar courses in STS. Upper division work includes twelve units from each of two different, complementing areas of concentration (modules) and, in some cases, additional courses (plus prerequisites) providing depth, content, and field work opportunities in the sciences. The modules are: (1) Cultural Studies of Science and Technology, (2) Ethics, Values, and Science Policy, (3) History and Philosophy of Science, (4) Medicine, Society, and Culture. Courses in the modules require careful selection to make the best use of the STS major.

Prerequisites for courses in the sciences can be extensive and require substantial advance planning for timely completion. Students are encouraged to take advantage of faculty and staff advising to plan their course of study.

Career Alternatives

The STS major will create an opportunity to analyze science and allied practices from historical, philosophical, sociological, political, anthropological, and cultural perspectives. STS prepares students for careers that must address the broader social, cultural and political ramifications of science, technology and medicine such as law, journalism, public policy, economics, government, and science education. Students of STS from many universities nationwide have pursued, in addition to academic careers in STS, include employment in: systems engineering, web design, science museum management, for-profit organizations, government service, libraries, law, medicine, veterinary medicine, dentistry, teaching, public health administration, media companies, management consultant practice, and the Peace Corps.

A.B. Major Requirements

Preparatory Subject Matter ....................... 16
Science and Technology Studies 1 ............. 4
Science and Technology Studies 20 .......... 4
Eight units selected from American Studies 1A, 1E, 5; Environmental Humanities 3; Philosophy 30, 31, 32; Science and Society 1, 2, 3, 5; Science and Technology Studies 32; Lower-division science courses from the Approved Science Electives list below ............................................. 8

Depth Subject Matter ............................. 44
Twelve units each from two of the following

(1) Cultural Studies of Science and Technology: American Studies 101G, 158; Community and Regional Development 118, 162; History 139A, 139B; Science and Technology Studies 108, 109, 120, 130A, 131, 150, 160, 162, 165, 173; Sociology 150, 175 ................................................. 12
(2) Ethics, Values, and Science Policy: Agricultural and Resource Economics 120, 147; American Studies 125; Communication 170; Computer Science 188; Environmental Science and Policy 165; History 185B, Philosophy 116, 120; Physics 137, 160; Plant Pathology 140; Political Science 171, 175, Science and Technology Studies 105, 120, 162, 164; Veterinary Medicine 170 .................................................... 12
(3) History and Philosophy of Science: History 135A, 135B, 136, 158A, 158B; Philosophy 104, 109, 116; Science and Technology Studies 120, 130A, 130B, 131, 160, 161, 163, 164 ............................................. 12
(4) Medicine, Society, and Culture: American Studies 101G, Communication 165; Public Health Sciences 101, 160; History 139A, 139B; Science and Technology Studies 109, 120, 121; Sociology 154 ................................................. 12

Note: Although a course may be listed in more than one module, that course may satisfy only one requirement.

Science and Technology Studies 175 .......... 4
Science and Technology Studies 180 or 190 ................................................................. 4

Science Electives: Select twelve units, at least eight of which must be upper-division courses, from the Approved Science Electives list below. [Unit totals will vary with required prerequisites] ........................................ 12-32

Note: Students are strongly advised to choose science elective courses in consultation with faculty or staff advisers. Some courses in some areas may require prerequisites too extensive to be used for major.

Total Units for the Major ........................ 60-80

Approved Science Electives. Courses may be drawn from any of the following approved subject areas:

Aeronautical Science and Engineering;
Animal Genetics; Animal Science;
Anthropology; Applied Behavioral Sciences;
Pre-Fall 2011 General Education (GE): AH—Arts and Humanities; SE—Science and Engineering; SS—Social Sciences; ACHG—American Cultures; DD—Diverse Domesticity; DL—Oral Skills; QL—Quantitative; SL—Scientific; VL—Visual; WC—World Cultures; WE—Writing Experience

Fall 2011 and on Revised General Education (GE): AH—Arts and Humanities; SE—Science and Engineering; SS—Social Sciences; ACHG—American Cultures; DD—Diverse Domesticity; DL—Oral Skills; QL—Quantitative; SL—Scientific; VL—Visual; WC—World Cultures; WE—Writing Experience

Pre-Fall 2011 General Education (GE): AH—Arts and Humanities; SE—Science and Engineering; SS—Social Sciences; DD—Diverse Domesticity; DL—Oral Skills; QL—Quantitative; SL—Scientific; VL—Visual; WC—World Cultures; WE—Writing Experience

Quarter Offered: F—Fall; W—Winter; S—Spring; Su—Summer; 2017-2018 offering in parentheses