2013-2014 CURRICULUM (Updated 12/18/13 – v4)
PROGRAM IN SCIENCE, TECHNOLOGY & SOCIETY (STS)

All degree courses must 1) be taken for a letter grade where offered, and 2) for at least the minimum amount of units listed below and approved for STS - even if the course offers registration for fewer credits.

The required course units and quarter offered are indicated in parentheses after each course title below (A = Autumn, W = Winter, S = Spring, SUM = Summer, and NO = Not offered in 2013-2014 but should be offered in the future). Always confirm course quarter offerings with ExploreCourses for the most up-to-date course information.

I. CORE REQUIREMENTS (30+ units; 8 course min.)

***MUST RECEIVE A GRADE OF ‘C’ OR HIGHER IN EACH COURSE (if declared on or after 9/1/2013)***

A. INTRODUCTION - STS 1: The Public Life of Science and Technology (5, W)
   ~It is strongly recommended that students complete the STS 1 requirement before declaring the major~

B. STS PERSPECTIVES (20+ units)
   Select 2 courses from each of the following areas. 1 of the 6 courses must fulfill the WIM (*) requirement (courses are designated with an asterisk). Students may not double-count courses in the core and the concentration areas.

1. Social scientific perspectives
   • *ANTHRO 90C: Theory of Ecological and Environmental Anthropology (5, W)
   • COMM 1A: Media Technologies, People, and Society (4-5, A)
   • COMM 1B: Media, Culture, and Society (5, W)
   • *COMM 120W: Digital Media in Society (4-5, S)
   • EDUC 120X: Sociology of Knowledge Creation (4, NO)
   • POLISCI 110Y: War and Peace in American Foreign Policy (5, S)
   • SOC 114: Economic Sociology (4, A)

2. Cultural & historical perspectives
   • ANTHRO 179: Cultures of Disease: Cancer and HIV/AIDS (5, NO)
   • CLASSART 113 (formerly STS 112): Ten Things: An Archaeology of Design (4-5, W)
   • HISTORY 140: World History of Science (5, W)
   • *HISTORY 140A: The Scientific Revolution (5, NO)
     or *HISTORY 232F: The Scientific Revolution (5, S)
   • HISTORY 144 (or 44Q): History of Women and Gender in Science, Medicine and Engineering (4-5, S)
   • HISTORY 208A: Science and Law in History (4-5, W)
   • PHIL 60: Introduction to Philosophy of Science (5, A)

3. Scientific & engineering perspectives
   • CS 106A: Programming Methodology (3-5, A/W/S/SUM)
   • *CS 181W: Computers, Ethics, and Public Policy (4, A/W/S)
   • ENGR 131 (formerly STS 115): Ethical Issues in Engineering (4, A/S)
   • ME 214: Good Products, Bad Products (3-4, W)
   • MS&E 189: Social Networks - Theory, Methods, and Applications (3, NO)
   • *MS&E 193W: Technology and National Security (3, A)
   • *MS&E 197 (formerly STS 110): Ethics and Public Policy (5, W)

C. SENIOR CAPSTONE - STS 200 A, B, C, D, E or F (5 units, A/W/S) or HONORS THESIS - STS 299 (10 units or more)

⚠️ May use only one introductory CS course, CS 105 OR CS 106A, toward STS core and concentration requirements (i.e., cannot use CS 105 & CS 106A in concentration; cannot use CS 106A in the core & CS 105 in the concentration) if declared on or after 9/1/13.
II. CONCENTRATION AREA (50+ units; 12 course min.)

→ Must be taken for a letter grade where offered

**B.A. students**
50+ units in a single concentration area. All courses must be chosen from the list of approved courses for student’s concentration (see relevant appendix). At least 8 classes must be from the social science and/or humanities course menus and should form a cohesive focus of courses that build on one another and address each of the dimensions of the concentration. At least 4 classes must be from the science and engineering course menus and should form a sequence of courses that build on one another (see example sequences at end of document). When filling out planned coursework on the curriculum form, please group courses by department where applicable.

**B.S. students**
50+ units in a single concentration area. All courses must be chosen from the list of approved courses for student’s concentration (see the relevant appendix). At least 8 classes must be from the science and engineering course menu and at least 4 classes must be from social science and/or humanities course menus. The science and engineering courses should include 2-3 sequences of courses that build on one another. When filling out planned coursework on the curriculum form, please group courses by department where applicable.

**Important Policies for All Majors**

- AP credit does not count toward the STS major.

- All courses must be taken for a letter grade where offered. If declared on or after September 1, 2013, must receive a grade of C or higher in each core course.

- Courses taken for the STS core requirements cannot be double-counted for the concentration area.

- May use only one introductory computer science course, CS 105 OR CS 106A, toward STS core & concentration requirements (if declared on or after September 1, 2013).

- Students are responsible for any prerequisites. It is recommended that STS majors take the Math Calculus sequence (or have AP credit), as many technical courses approved for concentration areas require it.

- Students may take up to 5 units of STS 199 doing research in approved Stanford labs or in internships.

- Students may petition only one course from outside the list of approved courses to count toward their STS degree plan (subject to staff approval). Courses eligible for petition include BOSP, SIW, independent study sections, or a course offered only one time at Stanford.

- Additionally, STS majors are encouraged to nominate Stanford courses that are offered consistently and are available to all students to be permanently added to concentration area course menus. If a course petition or nomination form is denied approval, students may not re-submit. Course petition and course nomination forms are available on the STS website.

- Transfer students may petition equivalent and/or relevant STS coursework from institutions outside Stanford University, provided the Registrar has already awarded transfer credit. All such petitions are subject to approval by the STS faculty director.

**STS Concentration Areas (See next page for details)**

- INFORMATION TECHNOLOGY, MEDIA & SOCIETY
- INNOVATION, TECHNOLOGY & ORGANIZATIONS
- ENVIRONMENT & SUSTAINABILITY
- LIFE SCIENCES & BIOTECHNOLOGY
- POLICY, SECURITY & TECHNOLOGY
- SELF-DESIGNED CONCENTRATION
STS Concentration Areas: Organizing Questions & Themes

A. INFORMATION TECHNOLOGY, MEDIA & SOCIETY
- How do information technologies transform social structures and vice versa?
- What have been the historical drivers and consequences of information societies?
- How do we evaluate a technology’s potential applications?
- How do different media technologies change what we think art is?
- How do cultural practices impact computing?
- What are the social and cognitive ramifications of design choices and user-interface frameworks?

B. INNOVATION, TECHNOLOGY & ORGANIZATIONS
- What are the social, historical and economic sources of innovation?
- Why does innovation occur in certain contexts and not others?
- Under what social and cultural conditions does technological and scientific innovation occur?
- How does the design of devices and infrastructure shape political systems?
- What are the historical relationships between work, entrepreneurship and innovation?
- How does the organization of work impact the design of technologies?

C. ENVIRONMENT & SUSTAINABILITY
- How do scientists and engineers understand the natural world?
- How is environmental science communicated and translated into policy in different contexts?
- How do cultural understandings of nature, species and place influence human relationships to the environment? How have these understandings changed over time?
- What roles do scientific research and technological innovation play in natural resource extraction, distribution and conflict?
- Can science and technology address environmental problems? How so? What are the risks and potentials?
- What are the relationships between designed / built environments and natural / wild ecosystems in particular contexts?

D. LIFE SCIENCES & BIOTECHNOLOGY
- How do biotechnologies interact with society and law?
- What are the boundaries among species? What are the ethical obligations of human societies to other organisms?
- What are the historical precursors for contemporary biotechnologies?
- How do biological and social systems interact?
- What intellectual frameworks and social practices drive lab science?
- What are the possibilities and constraints for technologically transforming the human body? What role do technologically transformed bodies play in philosophy, literature and art?

E. POLICY, SECURITY & TECHNOLOGY
- How do science and technology shape public policy and policymaking?
- What role does technology development play in sparking warfare?
- How do resource conflicts and crises become problems of national security and militarized conflict?
- What devices, infrastructures and practices conduce to peace?
- How do different societies negotiate with one another in dealing with challenges of energy security and climate change?
- What new challenges do globalization and urbanization pose to public health and food security?
- What role does technology play in contemporary disasters?

F. SELF-DESIGNED CONCENTRATION
Students interested in this option must submit a 5-page proposal in which they describe their self-designed concentration in detail, compare their proposed area of study to similar majors at Stanford and explain the rationale for why a self-designed concentration is the optimal way to pursue their academic interests. B.S. students must include at least 8 courses from science and/or engineering and at least 4 courses from the humanities and/or social sciences related to their proposed course of study. B.A. students must include at least 8 courses from the humanities and/or social sciences and at least 4 courses from science and/or engineering related to their proposed course of study. For both B.A. and B.S. students, the courses should include sequences of classes that build on one another.

Dated 12/18/13 – v4
APPENDIX A. INFORMATION TECHNOLOGY, MEDIA & SOCIETY
APPROVED COURSES

SOCIAL SCIENCE COURSE MENU
• COMM 106: Communication Research Methods (4-5, W)
• COMM 108: Media Processes and Effects (4-5, A)
• COMM 117: Digital Journalism (4-5, W)
• COMM 120W: Digital Media in Society (4-5, S)
• COMM 137W: The Dialogue of Democracy (4-5, NO)
• COMM 140: Digital Media Entrepreneurship (4-5, S)
• COMM 166: Virtual People (4-5, W)
• COMM 168: Experimental Research in Advanced User Interfaces (4-5, A/W)
• COMM 169: Computers and Interfaces (4-5, NO)
• COMM 172: Media Psychology (4-5, S)
• COMM 182: Social Media Issues (4-5, A)
• CS 546: Seminar on Liberation Technologies (1, A/W)
• ECON 153: Economics of the Internet [Prerequisite: ECON 51, ECON 102B] (5, W)
• EDUC 358X: Learning, Sharing, Publishing, and Intellectual Property (4, NO)
• MS&E 180: Organizations: Theory and Management (4, A/S)
• MS&E 181: Issues in Technology and Work for a Postindustrial Economy (3, S)
• PSYCH 30: Introduction to Perception (3, A)
• STS 160Q: Technology in Contemporary Society (4, A)
• SYMSYS 100: Intro to Cognitive and Information Sciences (4, W)
• SYMSYS 245 (formerly 145): Cognition in Interaction Design (3, W)

HUMANITIES COURSE MENU
• AMSTUD 152A (formerly ENGLISH 152A): “Mutually Assured Destruction:” American Culture and the Cold War (5, NO)
• ARTHIST 157A: Histories of Photography (4, A)
• ARTHIST 164A: Technology and the Visual Imagination (4, NO)
• ARTHIST 245: Art, Business & the Law (5, W)
• ARTHIST 263B: The View through the Windshield: Cars and the American Landscape (4, A)
• ARTHIST 264A: Picturing the Cosmos (5, NO)
• ARTSTUDI 160: Design I: Fundamental Visual Language (4, A/W/S)
• ARTSTUDI 177: Video Art I (4, A)
• ARTSTUDI 179: Digital Art I (4, A/W)
• ARTSTUDI 236: Future Media, Media Archaeologies (4, NO)
• ARTSTUDI 260: Design II: The Bridge (4, S)
• ARTSTUDI 275: Introduction to Digital Photography and Visual Images (4, W/S)
• AMSTUD 152A: “Mutually Assured Destruction:” American Culture and the Cold War (5, NO)
• ENGLISH 202: History of the Book (5, NO)
• ENGR 202W: Technical Writing (3, A/W/S)
• FILMSTUD 6: Introduction to Digital Media (5, NO)
• FILMSTUD 110: Science Fiction Cinema (4, A)
• GERMAN 154: Poetic Thinking Across Media (4, A)
• GERMAN 184: Technology, Innovation, and the History of the Book (4-5, NO)
• HISTORY 305A (formerly 205A): The History of Information (4-5, NO)
• MUSIC 220A: Fundamentals of Computer-Generated Sound (4, A)
• MUSIC 220B: Compositional Algorithms, Psychoacoustics, and Computational Music (4, W)
• RELIGST 31: The Religious Life of Things (4-5, S)

***For approved overseas courses in this concentration, see Appendix F***

NOTE: All degree courses must 1) be taken for a letter grade where offered, and 2) for at least the minimum amount of units listed above and approved for STS - even if the course offers registration for fewer credits. Always confirm course quarter offerings with ExploreCourses for the most up-to-date course information.
### SCIENCE & ENGINEERING COURSE MENU

- **CEE 112A:** Industry Applications of Virtual Design & Construction (3-4, A)
- **CME 108:** Introduction to Scientific Computing [Prerequisites: CS 106A, MATH 51, 52, 53] (3-4, W/SUM)
- **CS 105:** Introduction to Computers [Equivalent to CS 101] (3-5, A/W)
- **CS 106A:** Programming Methodology (3-5, A/W/S/SUM)
- **CS 106B:** Programming Abstractions [Prerequisite: CS 106A] (3-5, A/W/S/SUM)
- **CS 106X:** Programming Abstractions (Accelerated) [Prerequisite: CS 106A] (3-5, A/W)
- **CS 107:** Computer Organization and Systems [Prerequisite: CS 106B or CS 106X] (3-5, A/W/S/)
- **CS 108:** Object-Oriented Systems Design [Prerequisite: CS 107] (3-4, A/W)
- **CS 109:** Introduction to Probability for Computer Scientists (3-5, W/S/SUM)
- **CS 110:** Principles of Computer Systems [Prerequisite: CS 107] (3-5, A/W/S)
- **CS 116:** From Nand to Tetris [Prerequisite: programming experience] (3, NO)
- **CS 124:** From Languages to Information [Prerequisite: CS 103, 107, 109] (3-4, W)
- **CS 144:** Introduction to Computer Networking [Prerequisite: CS 110] (3-4, A)
- **CS 147:** Intro to Human-Computer Interaction Design [Prerequisite: CS 106B or CS 106X] (3-4, W)
- **CS 148:** Introduction to Computer Graphics and Imaging [Prerequisites: CS 107, MATH 51] (3-4, A/SUM)
- **CS 178:** Digital Photography (3-5, S)
- **CS 181:** Computers, Ethics, and Public Policy [Prerequisite: CS 106B or CS106X] (4, A/W/S)
- **CS 247:** Human-Computer Interaction Design Studio [Prerequisites: CS 106A and 147] (3-4, S)
- **CS 255:** Introduction to Cryptography (3, W)
- **CS 376:** Research Topics in Human-Computer Interaction [Prerequisite: CS 147] (3-4, S)
- **CS 378:** Phenomenological Foundations of Cognition, Language and Computation (3-4, NO)
- **CS 379L:** Designing Liberation Technology (3-4, NO)
- **EE 101A:** Circuits I [Prerequisite: PHYSICS 43] (4, W)
- **EE 101B:** Circuits II [Prerequisite: EE101A] (4, S)
- **EE 102A:** Signal Processing and Linear Systems I [Prerequisite: MATH 53 or ENGR 155A] (4, W)
- **EE 102B:** Signal Processing and Linear Systems II [Prerequisite: EE102A] (4, S)
- **EE 108A:** Digital Systems I (3-4, A/W)
- **EE 108B:** Digital Systems II [Prerequisite: EE108A, CS 106B] (3-4, A/W)
- **EE 169:** Introduction to Bioimaging [Prerequisite: EE 102A, EE 102B] (3, NO)
- **ENGR 110:** Perspectives in Assistive Technology (3, W)
- **ENGR 131** (formerly STS 115): Ethical Issues in Engineering (4, A/S)
- **ENGR 145:** Technology Entrepreneurship (4, A/W/SUM)
- **MS&E 107:** Interactive Management Science (3, A/SUM)
- **MS&E 111:** Introduction to Optimization [Prerequisite: Math 51] (4, A/S)
- **MS&E 120:** Probabilistic Analysis [Prerequisite: Math 51] (5, A)
- **MS&E 130:** Information Networks and Services [Prerequisite: MS&E 111, MS&E 120, CS 106A] (3, W)
- **MS&E 189:** Social Network - Theory, Methods, and Applications (3, NO)
- **MUSIC 257:** Neuroplasticity and Musical Gaming (3-5, S)

***For approved overseas courses in this concentration, see Appendix F***

⚠️ May use only one introductory CS course, CS 105 OR CS 106A, toward STS core and concentration requirements (i.e., cannot use CS 105 & CS 106A in concentration; cannot use CS 106A in the core & CS 105 in the concentration) if declared on or after 9/1/13.

**NOTE:** All degree courses must 1) be taken for a letter grade where offered, and 2) for at least the minimum amount of units listed above and approved for STS - even if the course offers registration for fewer credits. Always confirm course quarter offerings with ExploreCourses for the most up-to-date course information.
APPENDIX B. INNOVATION, TECHNOLOGY & ORGANIZATIONS
APPROVED COURSES

SOCIAL SCIENCE COURSE MENU
• COMM 140: Digital Media Entrepreneurship (4-5, S)
• COMM 169: Computers and Interfaces (4-5, NO)
• CS 546: Seminar on Liberation Technologies (1, A/W)
• ECON 50: Economic Analysis I [Prerequisite: ECON 1A, MATH 51] (5, A/W/SUM)
• ECON 51: Economic Analysis II [Prerequisite: ECON 50] (5, W/S/SUM)
• ECON 52: Economic Analysis III [Prerequisite: ECON 1B, 50] (5, A/S/SUM)
• ECON 102B: Applied Econometrics [Prerequisite: ECON 50, ECON 102A] (5, W/S)
• ECON 113: Economics of Innovation [Prerequisite: ECON 51, ECON 102B] (5, S)
• ECON 116: American Economic History [Prerequisite: ECON 1A] (5, S)
• ECON 118: Development Economics [Prerequisite: ECON 52, ECON 102B] (5, W)
• ECON 145: Labor Economics [Prerequisite: ECON 51, ECON 102B] (5, A)
• ECON 153: Economics of the Internet [Prerequisite: ECON 51, ECON 102B] (5, W)
• ECON 158: Regulatory Economics [Prerequisite: ECON 51] (5, W)
• EDUC 120X: Sociology of Knowledge Creation (4, NO)
• EDUC 224A: Social Entrepreneurship and Social Innovation (3, NO)
• HUMBIO 173: Science, Innovation, and the Law (3, NO)
• ME 297: Forecasting for Innovators: Technology, Tools, and Social Change (3, W)
• MS&E 175: Innovation, Creativity, and Change (4, W)
• MS&E 180: Organizations: Theory and Management (4, A/S)
• MS&E 181: Issues in Technology and Work for a Postindustrial Economy (3, S)
• MS&E 185: Global Work (4, W/S)
• MS&E 271: Global Entrepreneurial Marketing (4, W/S)
• MS&E 277: Creativity and Innovation (4, W/S)
• POLSCI 218S: Political Economy of International Trade and Investment [Prerequisite: ECON 1A, ECON 1B, statistics] (5, NO)
• PUBLPOL 102: Organizations and Public Policy [Prerequisite: ECON 1A] (4-5, S)
• PUBLPOL 144: Giving 2.0: Philanthropy by Design (4, NO)
• PUBLPOL 183: Philanthropy and Social Innovation (4, NO)
• PUBLPOL 194: Technology Policy (4, W)
• PUBLPOL 235: From Innovation to Implementation: How Government Can Develop and Apply New Ideas (4-5, A)
• PUBLPOL 240: Designing the Way Up: Disruptive Solutions to Poverty in America (4, S)
• PUBLPOL 353: Science and Technology Policy (4, A)
• SOC 114: Economic Sociology (4, A)
• SOC 160: Formal Organizations (5, NO)
• SOC 161: The Social Science of Entrepreneurship (4, S)
• STS 140: Science, Technology and Politics (4, W)
• STS 160Q: Technology in Contemporary Society (4, A)
• STS 190: Issues in Technology and the Environment (4, NO)
• SYMSYS 100: Introduction to Cognitive and Information Sciences (4, W)
• SYMSYS 245 (formerly 145): Cognition in Interaction Design (3, W)

HUMANITIES COURSE MENU
• AMSTUD 152A (formerly ENGLISH 152A): “Mutually Assured Destruction:” American Culture and the Cold War (5, NO)
• ARTHIST 147: The Visual Culture of Modernism and its Discontents (4, A)
• ARTHIST 263B: The View through the Windshield: Cars and the American Landscape (4, A)
• ARTSTUDI 11AX: Digital Art and Design in Practice (2, NO)
• ARTSTUDI 160: Design I: Fundamental Visual Language (4, A/W/S)
• ARTSTUDI 236: Future Media, Media Archaeologies (4, NO)
• ARTSTUDI 260: Design II: The Bridge [Prerequisite: ARTSTUDI 160] (4, S)
• BIO 182: Modeling Cultural Evolution (3, W)
• CEE 328 (formerly ARTHIST 232B): Design Theory (4, W)
• ENGR 202W: Technical Writing (3, A/W/S)
• GERMAN 184: Technology, Innovation, and the History of the Book (4-5, NO)
• HISTORY 307B: Environment, Technology and Revolution in World History (4-5, NO)
• MUSIC 220A: Fundamentals of Computer-Generated Sound (4, A)
• MUSIC 220B: Compositional Algorithms, Psychoacoustics, and Computational Music (4, W)
• PHIL 74: Business Ethics (4, S)
• RELIGST 31: The Religious Life of Things (4-5, S)

Dated 12/18/13 – v4
**APPENDIX B. INNOVATION, TECHNOLOGY & ORGANIZATIONS**

**APPROVED COURSES CONTINUED**

**SCIENCE & ENGINEERING COURSE MENU**

- CEE 146A: Engineering Economy (3, W) - May take CEE 146A or ENGR 60
- CS 105: Introduction to Computers [Equivalent to CS 101] (3-5, A/W)
- CS 106A: Programming Methodology (3-5, A/W/S/SUM)
- CS 106B: Programming Abstractions [Prerequisite: CS 106A] (3-5, A/W/S/SUM)
- CS 106X: Programming Abstractions [Accelerated] [Prerequisite: CS 106A] (3-5, A/W)
- CS 107: Computer Organization and Systems [Prerequisite: CS 106B or CS 106X] (3-5, A/W/S)
- CS 108: Object-Oriented Systems Design [Prerequisite: CS 107] (3-4, A/W)
- CS 109: Introduction to Probability for Computer Scientists (3-5, W/S/SUM)
- CS 124: From Languages to Information [Prerequisite: CS 103, 107, 109] (3-4, W)
- CS 147: Introduction to Human-Computer Interaction Design (3-4, W)
- CS 181: Computers, Ethics and Public Policy (4, A/W/S)
- CS 247: Human-Computer Interaction Design Studio (3-4, S)
- CS 376: Research Topics in Human-Computer Interaction (3-4, S)
- CS 377I: Prototyping Interactive Systems (4, NO)
- CS 379L: Designing Liberation Technology (3-4, NO)
- CS 402: Beyond Bits and Atoms: Designing Technological Tools (3-5, NO)
- CS 402L: Beyond Bits and Atoms – Lab (1-3, NO)
- EE 101A: Circuits I [Prerequisite: PHYSICS 43] (4, W)
- EE 101B: Circuits II [Prerequisite: EE101A] (4, S)
- EE 102A: Signal Processing and Linear Systems I [Prerequisite: MATH 53 or ENGR 155A] (4, W)
- EE 102B: Signal Processing and Linear Systems II [Prerequisite: EE102A] (4, S)
- EE 108A: Digital Systems I (3-4, A/W)
- EE 108B: Digital Systems II [Prerequisite: EE108A, CS 106B] (3-4, A/W)
- EE 169: Introduction to Bioimaging [Prerequisite: EE 102A, EE 102B] (3, NO)
- ENGR 14: Intro to Solid Mechanics (4, A/W/S)
- ENGR 60: Engineering Economy [Prerequisite: MATH 41] (3, SUM) – May take ENGR 60 or CEE 146A
- ENGR 145: Technology Entrepreneurship (4, A/W/SUM)
- ENGR 150: Social Innovation and Entrepreneurship (3-6, A/W/S)
- ME 101: Visual Thinking (4, A/W/S)
- ME 115A: Introduction to Human Values in Design [Prerequisite: ME 101] (3, A)
- ME 115B: Product Design Methods [Prerequisite: ME 115A] (3, W)
- ME 120: History and Philosophy of Design (3, S)
- ME 203: Design and Manufacturing (4, A/W/S)
- ME 214: Good Products, Bad Products (3-4, W)
- ME 216A: Advanced Product Design: Needfinding [Prerequisites: ME 116 and 203] (3-4, A)
- ME 216B: Advanced Product Design: Implementation 1 [Prerequisite: ME 216A] (4, W)
- ME 216C: Advanced Product Design: Implementation 2 (4, S)
- MS&E 52: Introduction to Decision Making (3, SUM)
- MS&E 107: Interactive Management Science (3, A/SUM)
- MS&E 111: Introduction to Optimization [Prerequisite: Math 51] (4, A/S)
- MS&E 120: Probabilistic Analysis [Prerequisite: Math 51] (5, A)
- MS&E 121: Introduction to Stochastic Modeling [Prerequisite: MS&E 120 or STATS 116] (4, W)
- MS&E 130: Information Networks and Services [Prerequisite: MS&E 111, MS&E 120, CS 106A] (3, W)
- MS&E 152: Introduction to Decision Analysis (3-4, S)
- MS&E 189: Social Networks - Theory, Methods, and Applications (3, NO)
- MS&E 260: Introduction to Operations Management (3-4, A/SUM)
- MS&E 266: Management of New Product Development (3, NO)
- MUSIC 257: Neuropasticity and Musical Gaming (3-5, S)

***For approved overseas courses in this concentration, see Appendix F***

- May use only one introductory CS course, CS 105 OR CS 106A, toward STS core and concentration requirements (i.e., cannot use CS 105 & CS 106A in concentration; cannot use CS 106A in the core & CS 105 in the concentration) if declared on or after 9/1/13.
APPENDIX C. ENVIRONMENT & SUSTAINABILITY
APPROVED COURSES

SOCIAL SCIENCE COURSE MENU
- ANTHRO 90C: Theory of Ecological and Environmental Anthropology (5, W)
- ANTHRO 104A: Foraging for a Living (5, NO)
- ANTHRO 160: Social and Environmental Sustainability: The Costa Rican Case (4-5, NO)
- EARTHSYS 61Q: Food and Security (3, A)
- EARTHSYS 105: Food and Community: New Visions for a Sustainable Future (3, A)
- EARTHSYS 106: World Food Economy (5, W)
- EARTHSYS 112: Human Society & Environmental Change [Prerequisite: ECON 1A] (4, A)
- EARTHSYS 147: Controlling Climate Change in the 21st Century (3, NO)
- EARTHSYS 174: Marine Biodiversity: Law, Science, and Policy (3, NO)
- EARTHSYS 181: Concepts of Urban Agriculture (3, NO)
- EARTHSYS 184: Climate and Agriculture (4, NO)
- EARTHSYS 185: Feeding Nine Billion (3, A)
- ECON 50: Economic Analysis I [Prerequisite: ECON 1A, MATH 51] (5, A/W/SUM)
- ECON 155: Environmental Economics and Policy [Prerequisite: ECON 50] (5, W)
- ECON 156: Marine Resource Economics and Conservation (5, NO)
- HUMBIO 2B: Culture, Evolution and Society (5, A)
- HUMBIO 4B: Environmental and Health Policy Analysis (5, S)
- INTNLREL 170: Energy and Climate (5, NO)
- ME 297: Forecasting for Innovators: Technology, Tools, and Social Change (3, W)
- MS&IE 92Q: International Environmental Policy (3, W)
- PUBLPOL 125: Law and Public Policy (5, NO)
- STS 140: Science, Technology and Politics (4, W)
- STS 190: Issues in Technology and the Environment (4, NO)
- URBANST 160: Environmental Policy and the City in U.S. History (5, NO)

HUMANITIES COURSE MENU
- ARTHIST 263B: The View through the Windshield: Cars and the American Landscape (4, A)
- EARTHSYS 145: Environmental Crises and Historical Change (4-5, NO)
- ENGLISH 157C: Collapse: Twentieth-Century Narratives of Disaster (4-5, NO)
- GERMAN 285: Environmentalism, Literature and Cultural Criticism (4-5, W)
- HISTORY 142: Darwin in the History of Life (5, NO)
- HISTORY 208A: Science and Law in History (4-5, W)
- HISTORY 254: Popular Culture and American Nature (5, NO)
- HISTORY 307B: Environment, Technology and Revolution in World History (4-5, NO)
- POLISCI 233F: Science, Technology, and Society in the Face of the Looming Disaster (4-5, NO)
- URBANST 115: Urban Sustainability: Long-Term Archaeological Perspectives (4-5, W)

***For approved overseas courses in this concentration, see Appendix F***

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APPENDIX C. ENVIRONMENT & SUSTAINABILITY
APPROVED COURSES (CONTINUED)

SCIENCE & ENGINEERING COURSE MENU

- BIO 43: Plant Biology, Evolution, and Ecology [Prerequisites: CHEM 31A and 31B or 31X, 33] (5, S)
- BIO 101: Ecology [Prerequisite: BIO 43] (4, A)
- BIO 220: Introduction to Theoretical Population Biology (2, W)
- BIO 221: Methods of Theoretical Population Biology [Prerequisite: BIO 220] (4, NO)
- BIOHOPK 172H: Marine Ecology [Prerequisite: BIO core] (5, W)
- BIOHOPK 187H: Sensory Ecology (4, W)
- CEE 64: Air Pollution and Global Warming: History, Science, and Solutions (3, W)
- CEE 70: Environmental Science and Technology (3, A/SUM)
- CEE 100: Managing Sustainable Building Projects (4, A)
- CEE 110A: Building Information Modeling (3-4, NO)
- CEE 120A: Building Information Modeling Workshop (3-4, A)
- CEE 124: Sustainable Development Studio (3-5, A/W/S)
- CEE 129: Climate Change Adaptation for Seaports: Engineering and Policy for a Sustainable Future (3, NO)
- CEE 136: Green Architecture (4, NO)
- CEE 173A: Energy Resources (4-5, A)
- CEE 177P: Sustainability in Theory and Practice (3, NO)
- EARTHYS 101: Energy and the Environment (3, W)
- EARTHYS 102: Renewable Energy Sources and Greener Energy Processes (3, S)
- EARTHYS 104: The Water Course (4, S)
- EE 151: Sustainable Energy Systems (3, NO)
- ENERGY 104: Transition to Sustainable Energy Systems (3, S)
- ENERGY 120: Fundamentals of Petroleum Engineering (3, A)
- ENERGY 160: Modeling Uncertainty in the Earth Sciences [Prerequisite: algebra and introductory statistics course (3, W)
- MATSCI 156: Solar Cells, Fuel Cells, and Batteries: Materials for the Energy Solution (3-4, A)
- MS&E 264: Sustainable Product Development and Manufacturing (3-4, A)
- PHYSICS 240: Introduction to the Physics of Energy (3, A)
- PHYSICS 241: Introduction to Nuclear Energy (3, W)

***For approved overseas courses in this concentration, see Appendix F***

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APPENDIX D. LIFE SCIENCES & BIOTECHNOLOGY
APPROVED COURSES

Note to students: HUMBIO typically requires students to take the entire core, which is HUMBIO 2A, 2B, 3A, 3B, 4A, and 4B

SOCIAL SCIENCE COURSE MENU
• ANTHRO 82: Medical Anthropology (4-5, S)
• ANTHRO 177: Environmental Change and Emerging Infectious Diseases (3-5, A)
• ANTHRO 179: Cultures of Disease: Cancer and HIV/AIDS (5, NO)
• ANTHRO 185A: Race and Biomedicine (4-5, NO)
• BIOE 131: Ethics in Bioengineering (3, S)
• EARTHSYS 174: Marine Biodiversity: Law, Science, and Policy (3, NO)
• EDUC 340: Psychology and American Indian Mental Health (4-5, S)
• GENE 104Q: Law and the Biosciences (3, S)
• HUMBIO 2B: Culture, Evolution, Society (5, A)
• HUMBIO 3B: Behavior, Health, and Development (5, W)
• HUMBIO 4B: Environmental and Health Policy Analysis (5, S)
• HUMBIO 122S: Social Class, Race, Ethnicity, and Health (4, W)
• HUMBIO 174: Foundations in Bioethics (3, S)
• MED 157: Foundations for Community Health Engagement (3, S)
• PSYCH 30: Introduction to Perception (3, A)
• PUBLPOL 122: Biosecurity and Bioterrorism Response (4-6, S)
• PUBLPOL 125: Law and Public Policy (5, NO)
• STEMREM 83Q: The Stem Cell: Biological, Social, & Practical Aspects of Stem Cell Research [Prerequisite: AP Biology] (3, NO)
• STS 190: Issues in Technology and the Environment (4, NO)

HUMANITIES COURSE MENU
• AMSTUD 156H: Women and Medicine in US History: Women as Patients, Healers and Doctors (5, W)
• ARTSTUD 284: Art & Biology (4, S)
• CLASSTUD 133: Invention of Science (4-5, NO)
• FRENCH 219: The Renaissance Body in French Literature and Medicine (4-5, NO)
• HISTORY 130A: In Sickness and In Health: Medicine and American Society, 1800-Present (5, A)
• HISTORY 140: World History of Science (5, W)
• HISTORY 144: History of Women and Gender in Science, Medicine and Engineering (5, S)
• HISTORY 208A: Science and Law in History (4-5, W)
• HISTORY 243C: Colonial Science and Medicine (4-5, NO)
• HISTORY 243G: Tobacco and Health in World History (4-5, A)
• HUMBIO 175: Health Care as Seen Through Medical History, Literature, and the Arts (3, A)
• HUMBIO 175S: Novels and Theater of Illness (3, S)
• PHIL 60: Introduction to Philosophy of Science (5, A)
• PHIL 63S: Introduction to Bioethics (3, SUM)
• PHIL 167B: Philosophy, Biology, & Behavior [Prerequisite: 167A; or one PHIL course & a BIO course or HUMBIO core] (4, S)
• POLISCI 216E: International History and International Relations Theory (5, NO)

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SCIENCE & ENGINEERING COURSE MENU

- BIO 41: Genetics, Biochemistry and Molecular Biology [Prerequisite: CHEM 31X (or 31A,B), 33] (5, A)
  - Note: Majors can count either BIO 41 or HUMBIO 2A
- BIO 42: Cell Biology and Animal Physiology [Prerequisite: CHEM 31X (or 31A,B), 33] (5, W)
  - Note: Majors can count either BIO 42 or HUMBIO 3A
- BIO 43: Plant Biology, Evolution, and Ecology [Prerequisites: CHEM 31X or 31a and 31B, 33] (5, S)
- BIO 44X: Core Molecular Biology Laboratory (5, A/W)
- BIO 44Y: Core Plant Biology & Eco Evo Laboratory (5, S)
- BIO 109A: The Human Genome and Disease (3, W) – may take BIO 109A or 109B
- BIO 109B: The Human Genome and Disease: Genetic Diversity & Personalized Medicine (3, S) - may take BIO 109A or 109B
- BIO 150: Human Behavioral Biology (5, S)
- BIO 220: Introduction to Theoretical Population Biology (2, W)
- BIO 221: Methods of Theoretical Population Biology [Prerequisite: BIO 220] (4, NO)
- BIOE 44: Fundamentals for Engineering Biology Lab (4, A/S)
- BIOE 45: Computational Modeling for Microbial Communities (4, S)
- BIOE 80: Introduction to Bioengineering (4, S)
- BIOE 101: Systems Biology [Prerequisite: CME 102; BIO 41, BIO 42] (4, A)
- BIOE 103: Systems Physiology & Design [Prerequisite: MATH 41, 42; CME 102; PHYSICS 41, 43; BIO 41, 42] (4, S)
- CHEM 31A: Chemical Principles I (5, A/SUM)
- CHEM 31B: Chemical Principles II [Prerequisite: CHEM 31A] (5, W/SUM)
- CHEM 31X: Chemical Principles [Prerequisite: AP CHEM] (5, A)
- CHEM 33: Structure and Reactivity [Prerequisite: CHEM 31A, 31B (or 31x)] (5, W/S)
- CHEM 35: Organic Monofunctional Compounds [Prerequisite: CHEM 33] (4, A/S)
- CHEM 36: Organic Chemistry Laboratory I [Prerequisite/corequisite: CHEM 35] (3, A/S)
- CHEM 130: Organic Chemistry Laboratory II [Prerequisite: CHEM 36] (3, A/W)
- CHEM 131: Organic Polyfunctional Compounds [Prerequisite: CHEM 35] (3, A/W)
- CHEM 135: Physical Chemical Principles [Prerequisites: CHEM 31A and 31B or 31X] (3, W)
- CHEM 171: Physical Chemistry [Prerequisites: CHEM 31A and 31B or 31X, 35, MATH 51] (3, S)
- COMPMED 87Q: Introduction to the Mouse in Biomedical Research (3, A)
- EE 102A: Signal Processing and Linear Systems I [Prerequisite: MATH 53 or ENGR 155A] (4, W)
- EE 102B: Signal Processing and Linear Systems II [Prerequisite: EE102A] (4, S)
- EE 169: Introduction to Bioimaging [Prerequisite: EE 102A, EE 102B] (3, NO)
- HUMBIO 2A: Genetics, Evolution and Ecology (5, A) - Majors can count either HUMBIO 2A or BIO 41
- HUMBIO 3A: Cell and Developmental Biology (5, W) - Majors can count either HUMBIO 3A or BIO 42
- HUMBIO 4A: The Human Organism (5, S)
- MS&E 292: Health Policy Modeling (3, W)

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APPENDIX E. POLICY, SECURITY & TECHNOLOGY

APPROVED COURSES

SOCIAL SCIENCE COURSE MENU

• ANTHRO 318: Democracy and Political Authority (5, NO)
• COMM 133: Need to Know: The Tension between a Free Press and National Security Decision Making (4-5, S)
• EARTHSYS 61Q: Food and Security (3, A)
• HISTORY 261G: Presidents and Foreign Policy in Modern History (5, A)
• INTNLREL 140A: International Law and International Relations (5, A)
• INTNLREL 140C: The U.S., U.N. Peacekeeping, and Humanitarian War (5, A)
• INTNLREL 180A: Transitional Justice, Human Rights, and International Criminal Tribunals (4-5, S)
• IPS 203: Issues in International Economics (5, W)
• IPS 219: Intelligence and National Security (4, A)
• IPS 250: International Conflict Resolution (3, W)
• MS&E 197 (formerly STS 110): Ethics and Public Policy (5, W)
• POLISCI 2: Introduction to American National Government and Politics (5, S)
• POLISCI 110Y: War and Peace in American Foreign Policy (5, S)
• POLISCI 114D: Democracy, Development, and the Rule of Law (5, A)
• POLISCI 122: Introduction to American Law (4-5, A)
• POLISCI 147: Comparative Democratic Development (5, NO)
• POLISCI 212S: Ethics, Law and War (4-5, NO)
• POLISCI 214R: Challenges and Dilemmas in American Foreign Policy (5, W)
• POLISCI 215F: Nuclear Weapons and International Politics (5, NO)
• POLISCI 218T: Terrorism (5, NO)
• POLISCI 248L: Political-Economy of Crime and Violence in Latin America (5, NO)
• PUBLPOL 122: Biosecurity and Bioterrorism Response (4-6, S)
• PUBLPOL 125: Law and Public Policy (5, NO)
• PUBLPOL 194: Technology Policy (4, W)
• PUBLPOL 353: Science and Technology Policy (4, A)
• STS 140: Science, Technology and Politics (4, W)
• STS 190: Issues in Technology and the Environment (4, NO)

HUMANITIES COURSE MENU

• AMSTUD 152A (formerly ENGLISH 152A): “Mutually Assured Destruction:” American Culture and the Cold War (5, NO)
• ARTHIST 264A: Picturing the Cosmos (5, NO)
• COMPLIT 137: War Creations: World War II and the Novel (4-5, NO)
• COMPLIT 161: Co-Existence in Hebrew Literature (4-5, NO)
• COMPLIT 171: The Ethics of Jihad (5, W)
• ENGLISH 157C: Collapse: Twentieth-Century Narratives of Disaster (4-5, NO)
• FRENCH 122: Nation in Motion: Film, Race, and Immigration in Contemporary French Cinema (5, S)
• GERMAN 132: Dynasties, Dictators, Democrats: History and Politics in Germany (4-5, W)
• GERMAN 182: War and Warfare in Germany (3, NO)
• GERMAN 264: Post-Cold War German Foreign Policy (5, S)
• HISTORY 102: The History of the International System since 1914 (5, S)
• HISTORY 201D: The Changing Face of War: An Introduction to Military History (4-5, NO)
• HISTORY 277D: U.S. Intervention and Regime Change in 20th Century Latin American (5, A)
• POLISCI 116: History of Nuclear Weapons (5, NO)
• POLISCI 216E: International History & International Relations Theory (5, NO)
• POLISCI 233F: Science, Technology, and Society in the Face of the Looming Disaster (4-5, NO)

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SCIENCE & ENGINEERING COURSE MENU

- CHEM 31A: Chemical Principles I (5, A/SUM)
- CHEM 31B: Chemical Principles II [Prerequisite: CHEM 31A] (5, W/SUM)
- CHEM 31X: Chemical Principles [Prerequisite: AP CHEM] (5, A)
- CHEM 33: Organic Monofunctional Compounds [Prerequisite: CHEM 33] (4, A/S)
- CHEM 35: Organic Chemistry Laboratory I [Prerequisite/corequisite: CHEM 35] (3, A/S)
- CS 105: Introduction to Computers [Equivalent to CS 101] (3-5, A/W)
- CS 106A: Programming Methodology (3-5, A/W/S/SUM)
- CS 106B: Programming Abstracts [Prerequisite: CS 106A] (3-5, A/W/S/SUM)
- CS 106X: Programming Abstracts (Accelerated) [Prerequisite: CS 106A] (3-5, A/W)
- CS 107: Computer Organization and Systems [Prerequisite: CS 106B or CS 106X] (3-5, A/W/S)
- CS 108: Object-Oriented Systems Design (3-4, A/W)
- CS 109: Introduction to Probability for Computer Scientists (3-5, W/S/SUM)
- CS 110: Principles of Computer Systems [Prerequisite: CS 107] (3-5, A/W/S)
- CS 181: Computers, Ethics and Public Policy [Prerequisite: CS 106B or CS 106X] (4, A/W/S)
- CS 255: Introduction to Cryptography (3, W)
- MS&E 93Q: Nuclear Weapons, Energy, Proliferation and Terrorism (3, S)
- MS&E 107: Interactive Management Science (3, A/SUM)
- MS&E 193: Technology and National Security (3, A)
- PHYSICS 41 & 42: Mechanics & Mechanics Lab [Prerequisite: PHYSICS 19, MATH 19 or 41] (4 + 1, W)
- PHYSICS 43: Electricity and Magnetism [Prerequisite: PHYSICS 41, MATH 20 or 42 or 51] (4, S)
- PHYSICS 240: Introduction to the Physics of Energy (3, A)
- PHYSICS 241: Introduction to Nuclear Energy (3, W)

***For approved overseas courses in this concentration, see Appendix F***

 Emblem: May use only one introductory CS course, CS 105 OR CS 106A, toward STS core and concentration requirements (i.e., cannot use CS 105 & CS 106A in concentration; cannot use CS 106A in the core & CS 105 in the concentration) if declared on or after 9/1/13.

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APPENDIX F.
APPROVED OVERSEAS COURSES BY CONCENTRATION

A. Information Technology, Media & Society

SOCIAL SCIENCE & HUMANITIES

• OSPBEIJ 17: Chinese Film Studies (1949-present) (4, A)
• OSPBEIJ 20: Communication, Culture, and Society: The Chinese Way (4, S)
• OSPBEIJ 42: Chinese Media Studies (4, A/S)
• OSPBER 7: A History of German Film (4-5, W)
• OSPFLOR 28: Museums and Sustainable Cultural Management (5, NO)
• OSPFLOR 44: Galileo: Genius, Innovation and the Scientific Revolution (5, A)
• OSPFLOR 48: Sharing Beauty in Florence: Collectors, Collections and the Shaping of the Western Museum Tradition (4, W)
• OSPFLOR 49: On-Screen Battles: Filmic Portrayals of Fascism and World War II (5, W)
• OSPFLOR 134F: Italian Cinema and the Aesthetics of Modernism (5, A)
• OSPKYOTO 65: Postwar Japan in Film (4-5, S)
• OSPMADRD 45: Women in Art: Case Study in the Madrid Museums (4, W)
• OSPOXFRD 57: The Rise of the Woman Writer 1660-1860 (5, W)
• OSPPARIS 30: The Avant Garde in France through Literature, Art and Theater (4, A)
• OSPSANTG 79: Hip Hop Latino: Hip Hop Art, Culture, and Education in Latin America (4, NO)

SCIENCE AND ENGINEERING
No approved overseas courses at this time.

B. Innovation, Technology & Organizations

SOCIAL SCIENCE & HUMANITIES

• OSPBER 115X: German Economy: Past and Present (4-5, A)
• OSPBER 126X: A People's Union? Money, Markets, and Identity in the EU (4-5, A)
• OSPBER 161X: The German Economy in the Age of Globalization (4-5, W)
• OSPCPTWN 36: The Archaeology of Southern African Hunter Gatherers (4, W)
• OSPCPTWN 68: Cities in the 21st Century: Urbanization, Globalization and Security (4, S)
• OSPFLOR 28: Museums and Sustainable Cultural Management (5, NO)
• OSPFLOR 41: The Florentine Sketchbook: A Visual Arts Practicum (4-5, A)
• OSPFLOR 44: Galileo: Genius, Innovation and the Scientific Revolution (5, A)
• OSPFLOR 48: Sharing Beauty in Florence: Collectors, Collections and the Shaping of the Western Museum Tradition (4, W)
• OSPFLOR 58: Space as History: Urban Change & Social Vision in Florence 1059-Present (4, S)
• OSPFLOR 115Y: The Duomo and Palazzo della Signoria: Symbols of a Civilization (4, A)
• OSPFLOR 134F: Italian Cinema and the Aesthetics of Modernism (5, A)
• OSPKYOTO 64: Japanese Popular Culture (4-5, W)
• OSPMADRD 45: Women in Art: Case Study in the Madrid Museums (4, W)
• OSPMOSC 44: Economic Reform and Economic Policy in Modern Russia (5, A)
• OSPMOSC 68: From Science to Market: Technical Innovation Policy in Post-Soviet Russia (5, A)
• OSPMOSC 72: Space, Politics and Modernity in Russia (5, A)
• OSPOXFRD 45: British Economic Policy since World War II (5, A)
• OSPOXFRD 74: History and Architecture of Oxford (4-5, S)
• OSPPARIS 30: The Avant Garde in France through Literature, Art, and Theater (4, A)
• OSPPARIS 44: EAP: Analytical Drawing and Graphic Art (3, A/W/S)
• OSPPARIS 72: The Ceilings of Paris (4, A)
• OSPSANTG 29: Sustainable Cities: Comparative Transportation Systems in Latin America (4-5, S)
• OSPSANTG 71: Santiago: Urban Planning, Public Policy, and the Built Environment (4-5, A/S)
• OSPSANTG 119X: The Chilean Economy: History, International Relations, and Development Strategies (5, S)
• OSPSANTG 130X: The Chilean Economy in Comparative Perspective (5, A)

SCIENCE AND ENGINEERING
No approved overseas courses at this time.

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C. Environment & Sustainability

SOCIAL SCIENCE & HUMANITIES
- OSPBER 115X: The German Economy: Past and Present (4-5, A)
- OSPCPTWN 36: The Archaeology of Southern African Hunter Gatherers (4, W)
- OSPFLOR 44: Galileo: Genius, Innovation and the Scientific Revolution (5, A)
- OSPKYOTO 20: Economic Consequences of Disasters: Natural and Man-Made (4-5, NO)
- OSPPARIS 74: Climate Change Challenges in France and Europe: from Project to Policy (4, W)
- OSPSANTG 29: Sustainable Cities: Comparative Transportation Systems in Latin America (4-5, S)
- OSPSANTG 71: Santiago: Urban Planning, Public Policy, and the Built Environment (4-5, A/S)

SCIENCE AND ENGINEERING
- OSPAUStL 10: Coral Reef Ecosystems (3, A)
- OSPAUStL 25: Freshwater Systems (3, A)
- OSPAUStL 30: Coastal Forest Ecosystems (3, A)
- OSPFLOR 33: Agriculture and Sustainability: The Tuscan Model (5, S)
- OSPSANTG 31: The Chilean Energy System: 30 Years of Market Reforms (5, SUM)
- OSPSANTG 85: Marine Ecology of Chile and the South Pacific (5, S)

D. Life Sciences & Biotechnology

SOCIAL SCIENCE & HUMANITIES
- OSPFLOR 44: Galileo: Genius, Innovation and the Scientific Revolution (5, A)
- OSPFLOR 85: Bioethics: Between Human Rights, Responsibility, and Care Ethics (4, S)
- OSPFLOR 87: The Future of Healthcare: Italy, Europe and the U.S. (4, A)
- OSPMADRD 57: Health Care: A Contrastive Analysis between Spain and U.S. (5, S)
- OSPMADRD 72: Issues in Bioethics Across Cultures (5, W)
- OSPPARIS 153X: Health Systems and Health Insurance: France and the U.S.—a Comparison (5, A)

SCIENCE AND ENGINEERING
- OSPAUStL 10: Coral Reef Ecosystems (3, A)
- OSPAUStL 25: Freshwater Systems (3, A)
- OSPAUStL 30: Coastal Forest Ecosystems (3, A)
- OSPFLOR 86: Stem Cells in Human Development and Regenerative Medicine (4-5, W)
- OSPSANTG 85: Marine Ecology of Chile and the South Pacific (5, S)

E. Policy, Security & Technology

SOCIAL SCIENCE & HUMANITIES
- OSPCPTWN 43: Public and Community Health in Sub-Saharan Africa (4, W/S)
- OSPFLOR 49: The Cinema Goes to War: Fascism and World War II as Represented in Italian and European Cinema (5, W)
- OSPFLOR 87: The Future of Healthcare: Italy, Europe and the U.S. (4, A)
- OSPKYOTO 20: Economic Consequences of Disasters: Natural and Man-Made (4-5, NO)
- OSPMADRD 57: Health Care: A Contrastive Analysis between Spain and the U.S. (5, S)
- OSPMOSC 72: Space, Politics and Modernity in Russia (5, A)
- OSPPARIS 74: Climate Change Challenges in France and Europe: from Project to Policy (4, W)
- OSPPARIS 153X: Health Systems and Health Insurance: France and the U.S.—a Comparison across Space and Time (5, A)
- OSPSANTG 71: Santiago: Urban Planning, Public Policy, and the Built Environment (4-5, A/S)
- OSPSANTG 119X: The Chilean Economy: History, International Relations, and Development Strategies (5, S)

SCIENCE AND ENGINEERING
- OSPFLOR 33: Agriculture and Sustainability: The Tuscan Model (5, S)
- OSPSANTG 31: The Chilean Energy System: 30 Years of Market Reforms (5, SUM)