

# Biology and Society Major

## 2016-2017 Courses

Check out this course listing on the Web!  
<http://www.sts.cornell.edu>

### I. BASIC COURSES (NOTE: Basic and Introductory courses may not be used to fulfill major requirements)

#### A. FIRST-YEAR WRITING SEMINARS (May not be used to fulfill major requirements)

##### FALL

- STS 1117 **From Hiroshima to the Internet**, 3 cr. MWF: 10:10-11:00. R. Kline.
- STS 1126 **Science & Society Topics: What is Mathematics?**, 3 cr. TR: 11:40-12:55. E. Abrams.
- STS 1126 **Science & Society Topics: Exploring Science and Technology through Science Fiction**, 3 cr. MW: 8:40-9:55. S. Tavakoli.

##### SPRING

- STS 1116 **Global Darwin**, 3 cr. TR: 2:55-4:10. J. Ratcliff.
- STS 1123 **Technology & Society Topics: Beyond Big Brother: Surveillance in Contemporary Society**, 3 cr. TR: 10:10-11:25. B. Clarke.
- STS 1126 **Science & Society Topics: Thinking Bodies**, 3 cr. TR: 11:40-12:55. L. Lehner.

#### B. INTRODUCTORY COURSE (Recommended but not a prerequisite. May not be used to fulfill a major requirement)

##### FALL

- [STS 1102 **Histories of the Future** (also HIST 1620), 4 cr. TR: 1:25-2:40. R. Prentice.]

##### SPRING

- STS 1101 **Science, Technology, and Politics**, 3 cr. TR: 1:25-2:40. R. Prentice.

**NOTE:** All courses used in fulfillment of Biology & Society requirements must be 1) at least 3 credit hours; 2) taken for a letter grade; 3) receive at least a C- as a final grade 4) at least 2000-level (exception: MATH 1710, NS 1150, NS 1220, BSOC 1941, and BSOC 1942).

### II. FOUNDATION COURSES (should be completed before the end of the junior year)

NOTE: Courses in the foundation are intended to provide a broad introduction to a methodology and theory in its area.

#### A. ETHICS (one course)

##### FALL

- STS 2051 **Ethical Issues in Health and Medicine** (also BSOC 2051), 4 cr. University Course. Enrollment limited to: Senior, Junior and Sophomore students. TR: 11:40-12:55 + sec. S. Hilgartner.

##### SPRING

- BSOC 2061 **Ethics and the Environment**, (also STS 2061, PHIL 2460), 4 cr. TR: 8:40-9:55 + sec. S. Pritchard.

#### B. SOCIAL SCIENCES/HUMANITIES (two courses: one from any two of the following subject areas.)

##### Area 1. History of Science

##### FALL

- BSOC 1941 **The History of Science in Europe: From the Ancient Legacy to Isaac Newton** (also HIST 1941, STS 1941), 4 cr. TR: 10:10-11:25. P. Dear.

- BSOC 2071 **Introduction to the History of Medicine** (also STS 2071/HIST 2710), 4 cr. MW: 11:15-12:05 + sec. S. Seth.

- [BSOC 2640 **Introduction to Ancient Medicine** (also ARKEO/CLASS 2640), 4 cr. MW: 12:20-1:10. C. Roby]

- NTRES 3320 **Introduction to Ethics and Environment**, 4 cr. TR: 10:10-11:00 + DIS. J. Tantillo.

- [STS 2331 **Agriculture, History, and Society: From Squanto to Biotechnology** (also AMST 2331), 3 cr. Not offered 2016-2017. MWF 12:20-1:10. M. Rossiter.]

**STS 2871 Evolution** (also BIOEE 2070), 3 cr. Intended for students with no background in college biology. Does not meet evolutionary biology requirement for biological sciences majors. May not be taken for credit after BIOEE 1780. TR: 1:25-2:+ sec. Also Summer. R. Harrison and G. Graffin.

**STS 4331 Science, Technology and Globalization**, 4 cr. T: 12:20-2:15. J. Ratcliff.

**SPRING**

**[BSOC 1942 The History of Science in Europe: Newton to Darwin; Darwin to Einstein** (also HIST 1942, STS 1942), 4 cr. (Course can only fulfill the foundation or core course requirement/not both). TR: 11:40-12:55. P. Dear.]

**BSOC 2581 Environmental History** (also HIST/AMST 2581). 4 cr. TR: 11:15-12:05. + DIS. A. Sachs.

**[BSOC 2640 Introduction to Ancient Medicine** (also ARKEO/CLASS 2640), 4 cr. TR: 10:10-11:25 + sec. Not offered 2016-2017. C. Roby.]

**BSOC 2821 Science in Western Civilization: Newton to Darwin, Darwin to Einstein** (also STS 2821/HIST 2820), 4 cr. MW: 11:15-12:05 + section. S. Seth.

**NTRES 2320 Nature and Culture**, 3 cr. MWF: 10:10-11:00. J. Tantillo.

**STS 3561 Computing Cultures** (INFO 3561/VISST 3560/ANTHR 3061, COMM 3560), 4 cr. TR: 1:25-2:40. Course not open to freshmen. M. Ziewitz.

**[STS 4441 Historical Issues of Gender and Science** (also FGSS 4440), 4 cr. Not offered 2016-2017. M. Rossiter.]

**Area 2. Philosophy of Science**

**FALL**

**STS 2011 What is Science? An Introduction to the Social Studies of Science & Technology** (also SOC 2100), 3 cr. MW: 2:30-3:20 + Sec. R. Slayton.

**STS 3811 Philosophy of Science** (also PHIL 3810), 4 cr. M: 7:30-9:55 pm + sec. R. Boyd.

**SPRING**

**[STS 2831 Introduction to the Philosophy of Science** (also PHIL 2810), 3 cr. TR: 9:05-9:55 + sec.. J. North.]

**[STS 2861 Science & Human Nature** (also PHIL 2860), 4 cr. TR: 11:40-12:55 + Sec. R. Boyd.]

**Area 3. Sociology of Science**

**FALL**

**BSOC 3011 Life Sciences and Society** (also STS 3011), 4 cr. Limit 80. Fulfills the social sciences foundation requirement ONLY if not used as the core course. Limited to Senior, Junior and Sophomore students. TR: 8:40-9:55. A. Johnson.

**BSOC 3311 Environmental Governance** (also STS/NTRES/DSOC 3311), 3 cr. Enrollment limited to: juniors, seniors, or by permission of instructor. MW: 1:25-2:15 + Sec. S. Wolf.

**[BSOC 4421 Sociology of Science** (also STS 4421, SOC 4420), 4 cr. T: 12:20-2:15. T. Pinch.]

**[DSOC 2080 Technology, Society, and Development**, 3 cr. TR 2:55-4:10. Staff.]

**DSOC 2200 Sociology of Health and Ethnic Minorities** (also LSP 2200), 3 cr. TR 10:10-11:25. P. Parra.

**DSOC 3400 Agriculture, Food, Sustainability and Social Justice**, 3 cr. T: 10:10-11:25 + field study. R. Bezner Kerr.

**[HD 4520 Culture and Human Development** (COGST 4520), 3 cr. Prereq: HD 1150, 1170 or Psych 1101. Limit: 20. TR: 1:25-2:40. Q. Wang.]

**NS 2450 Social Science Perspectives on Food and Nutrition**, 3 cr. Prerequisite: NS 1150. Must be enrolled by 3<sup>rd</sup> class meeting. Limited enrollment. TR 10:10-11:25. J. Sobal.

**STS 2011 What is Science? An Introduction to the Social Studies of Science & Technology** (also SOC 2100), 3 cr. MW: 2:30-3:20 + Sec. R. Slayton.

**SPRING**

**BSOC 2201 Society and Natural Resources** (also NTRES/DSOC 2201), 3 cr. TR: 9:05-9:55 + Discussion. R. Stedman.

**BSOC 2468 Medicine, Culture, and Society** (also ANTHR 2468/STS 2468), 3 cr. TR: 11:40-12:55 + sec. S. Hodzic.

- BSOC 3111 Sociology of Medicine** (also STS/DSOC 3111/SOC 3130), 4 cr. Not open to freshmen. MW: 1:25-2:15 + sec. Hilgartner.  
**[DSOC 2080 Technology, Society, and Development**, 3 cr. TR 2:55-4:10. Staff.]

#### Area 4. Politics of Science

##### *FALL*

- BSOC 3311 Environmental Governance** (also STS/NTRES/DSOC 3311), 3 cr. Enroll limit: juniors, seniors, or by permission of instructor. MW: 1:25-2:15 + Sec. R. Ghosh. S. Wolf.  
**[CRP 3800 Environmental Politics**, 4 cr. MWF 11:15-12:05 + sec. R. Booth.]  
**PAM 2350 The U.S. Health Care System**, 3 cr. TR: 11:40-12:55. S. Nicholson.

##### *SPRING*

- BSOC 4071 Law, Science, and Public Values** (also STS 4071), 4 cr. TR 2:55-4:10. M. Lynch.  
**PAM 3780 Sick Around the World? Comparing Health Care Systems Around the World**, 3 cr. Prerequisite: Introductory Stats course. TR: 2:55-4:10. N. Ziebarth.  
**STS 3241 Environmental Sociology** (also DSOC/SOC 3240), 3 cr. TR: 2:55-4:10. J. Zinda.  
**STS 3911 Science in the American Polity: 1960-Now** (also GOVT 3091, AMST 3911), 4 cr. Limited to Senior, Junior and Sophomore students. TR: 11:40-12:55. S. Hilgartner.

#### Area 5. Science Communication

##### *FALL*

- STS 3020 Science Writing for the Media** (also COMM 3020), 3 cr. Limit 24. Prereq: one college writing course. Not open to freshmen. MW 11:15-12:05 + lab. N. Porticello.

##### *SPRING*

- [COMM 3210 Communication and the Environment**, 3 cr. Forbidden Overlap: COMM 4210. TR: 11:40-12:55. K. McComas.]  
**STS 2851 Communication, Environment, Science, and Health** (also COMM 2850), 3 cr. MWF 10:10-11:00. N. Porticella.  
**STS 4661 Public Communication of Science and Technology** (also COMM 4660), 3 cr. Limit 15. Prereq: COMM 3020 or 2850, ENGRG 3500 or permission of the instructor. R: 12:20-2:15. B. Lewenstein.

#### Area 6. Literature and Science

##### *FALL*

- ENGL 2780 Body as Text: Pleasure and Danger** (also BSOC 2781/FGSS/LGBT 2780) 4 cr. TR: 11:40-12:55. M. Raskolnikov.

##### *SPRING*

- COML 2035 Science Fiction** (also ENGL 2035/BSOC/STS 2131), 4 cr. MW: 1:25-2:15 + section. A. Banerjee.  
**[ENGL 2300 Reading Nature: Art and Environment** (also BSOC 2301) Not offered 2016-2017. A. Goldstein.]  
**ENGL 3400 British Romanticism** (also BSOC 3481) 4 cr. MWF 12:20-1:10. A. Goldstein.

#### **C. BIOLOGY FOUNDATION: BREADTH REQUIREMENT** (*three courses: one from any three of the following subject areas.*) *Courses marked with an asterisk (\*) are not prerequisite to any other course.*

##### 1. Biochemistry, Molecular and Cell Biology

##### *FALL*

**BIOMG 3300 Principles of Biochemistry: Individualized Instruction**, 4 cr. Prerequisite: one majors-level biology course and one year general chemistry and any of the following organic chemistry courses: CHEM 1570, or CHEM 3530, or CHEM 3570, or CHEM 3590, or equivalent, or permission of instructor. Recommended corequisite: BIOMG 3340. Biological sciences majors must take course for a letter grade. Organizational meeting: Tuesday, Aug 23rd, 4:30-5:30pm., BKL 200. Attendance is required. Time: TBA. J. Blankenship.

**BIOMG 3310 Principles of Biochemistry: Proteins and Metabolism**, 3 cr. Prerequisite: one majors-level biology course and one year general chemistry, and CHEM 1570, or CHEM 3530, or CHEM 3570, or CHEM 3590, or equivalent, or permission of instructor. The organic chem pre-requisite should be completed before taking BIOMG 3310. An optional discussion section is held on most Fridays from 2:55-3:45pm focusing on issues such as application to medical school or graduate school, and undergraduate research. Evening Prelim. View Prelim Schedule: <http://registrar.sas.cornell.edu/Sched/exams.html>. MWF 10:10-11:00. G. Feigenson.

**NS 3200 Introduction to Human Biochemistry**, 4 cr. Prereq: Two semesters of organic chemistry. MWF 10:10-11:00 + sec S. Qian and A. Thalacker-Mercer.

### **SPRING**

**BIOMG 3300 Principles of Biochemistry: Individualized Instruction**, 4 cr. Prerequisite: one majors-level biology course and one year general chemistry and any of the following organic chemistry courses: CHEM 1570, or CHEM 3530, or CHEM 3570, or CHEM 3590, or equivalent, or permission of instructor. Recommended corequisite: BIOMG 3340. Biological Sciences majors must take course for a letter grade. Forbidden Overlap: Students may receive credit for only one course in the following group: BIOMG 3300, BIOMG 3310-BIOMG 3320, BIOMG 3330, BIOMG 3350, NS 3200. Organization meeting Wednesday, Jan. 25th, 4:30 P.M., BKL 200. Attendance is required. J. Blankenship. Time: TBA.

**BIOMG 3350 Principles of Biochemistry: Proteins, Metabolism, and Molecular Biology**, 4 cr. Prerequisite: one majors-level biology course and one year general chemistry, any of the following organic chemistry courses: CHEM 1570, or CHEM 3570, or CHEM 3580, or equivalent, or permission of instructor. May not be taken for credit after BIOMG 3300, BIOMG 3310, BIOMG 3320, BIOMG 3330 or NS 3200. Biological sciences majors must take course for a letter grade. Time: MTWR: 1:25-2:15. C. Fromme and Y. Mao.

### **SUMMER**

**BIOMG 3330 Principles of Biochemistry, Proteins, Metabolism, and Molecular Biology**, 4 cr. Prerequisite: one majors-level biology course and one year general chemistry, and any of the following organic chemistry courses: CHEM 1570, or CHEM 3530, or CHEM 3570 or CHEM 3590, or equivalents, or permission of instructor. Biological sciences majors must take course for a letter grade. Forbidden Overlap: Students may receive credit for only one course in the following group: BIOMG 3300, BIOMG 3310-BIOMG 3320, BIOMG 3330, BIOMG 3350, NS 3200. MTWRF 10:00 - 11:45. Jun 27 - Aug 5, 2016. Blankenship, J

## **2. Ecology**

### **SUMMER**

**[BIOSM 3640 Field Marine Science**, 6 cr. Prereq: one year biology. 4-week course. Course taught at the Shoals Marine Laboratory, NH. For more information and application, contact the SML office at G14 Stimson Hall.]

**[BIOSM 3750 Field Marine Biology and Ecology**, 6 cr. Prereq: one year biology. 4-week course. Course taught at the Shoals Marine Laboratory, NH. For more information and application, contact the SML office at G14 Stimson Hall.]

### **WINTER**

**[BIOEE 2650 Tropical Field Ecology and Behavior**, 4 cr. Kenya Study Program. MTWRFSU: 8:00am-8:00pm. J. Lovette]

## **3. Genetics and Development**

### **FALL**

**BIOMG 2800 Lectures in Genetic and Genomics**, 3 cr. Those students wanting to take the Laboratory in Genetics and Genomics must register for BioMG 2801 separately, (2 credits), either simultaneously or take the lecture first and the lab later. Biological sciences majors must take course for a letter grade. Highly recommended: problem-solving sessions. TR: 10:10-12:05. T. Fox and D. Nero.

**[BIOMG 2820 Human Genetics**, 3 cr. Prereq: BIOMG 1350 or two majors level biology courses. Some of the information presented overlaps with the current BIOMG 2800. This course is not recommended for students who have previously taken BIOMG 2800. Next offered 2017-2018. M. Goldberg.]

### **SPRING**

**BIOMG 2800 Lectures in Genetics and Genomics**, 3 cr. Those students wanting to take the Laboratory in Genetics and Genomics must register for BioMG 2801 separately, (2 credits), either simultaneously or take the lecture first and the lab later. Biological sciences majors must take course for a letter grade. Highly recommended: problem-solving sessions. TR: 10:10-12:05. D. Barbash and D. Nero.

**NTRES 2830 DNA, Genes and Genetic Diversity**, 4 cr. Prerequisite: BIOEE 1780 or permission of instructor. Enrollment preference given to: NTRES and SNES (ESS) majors. Lec/lab. Letter grades only. MWF: 9:05-9:55 + lab. M. Hare.

**PLBRG 2250 Plant Genetics**, 4 cr. Prerequisite: one majors-level biology course or equivalent; permission of instructor for students who have taken BIOGD 2810. Students in certain circumstances can request permission to take the course without the lab: PLBRG 2253. Students that have already taken a more technical course such as BIOMG 2800/BIOMG 2801 are only eligible for the 2 credit option: PLBRG 2252. MWF: 11:15-12:05 + Lab. M. Mazourek.

### **SUMMER**

**BIOMG 2800 Lectures in Genetics and Genomics**, 3 cr. Those students wanting to take the Lab in Genetics and Genomics must register for BioMG 2801 separately, (2 credits), either simultaneously or take the lecture first and the lab later. Biological sciences majors must take course for a letter grade. Recommended: problem-solving sessions. MWF 10:15-12:20. Jun 13 - Aug 5, 2016. R. MacIntyre.

**4. Animal Behavior***FALL*

**BIONB 2210 Neurobiology and Behavior I: Introduction to Behavior**, 3, 4 or 5 cr. (4 cr. with section, 5 cr. by permission only.) Prereq: two majors-level biology courses. MWF 12:20-1:10. R. Raguso.

*SUMMER*

**BIONB 2210 Neurobiology and Behavior I: Introduction to Behavior**, 3, 4 or 5 cr. (4 cr. with section, 5 cr. by permission only.) Prereq: two majors-level biology courses. MTWRF 1:00-2:15 + section. Jun 27 - Aug 5, 2016. Staff.

[**BIONB 2213 Neurobiology and Behavior I: Introduction to Behavior**, 3-4 cr. Prereq: 1 year intro biology. 6-wk session. H.K. Reeve.]

[**BIOSM3290 Field Animal Behavior**, (also BIOSM 3290) 3-5 cr. Prereq: one semester college biology. 2-week session. Offered in Maine at the Shoals Marine Laboratory @ Appledore Island. More info, contact the SML office at G14 Stimson Hall. H. Weeks, W. Kimler, H. Nance]

**5. Neurobiology***SPRING*

**BIONB 2220 Neurobiology and Behavior II: Introduction to Neuroscience**, 3 or 4 cr. (4 cr. with disc., problem sets & written assignments). Prereq: one yr. college level biology for majors and one year chemistry. May take independently of BIONB 2210. Students may not receive credit for both BIONB 2220 and PSYCH 2230. Not open to freshmen. MWF 12:20-1:10 + sec. C. Linster.

*SUMMER*

**BIONB 2220 Neurobiology and Behavior II: Introduction to Neuroscience**, 3 or 4 cr. (4 cr. with disc., problem sets & written assignments). Prereq: one yr. college level biology for majors and one year chemistry. May take independently of BIONB 2210. Students may not receive credit for both BIONB 2220 and PSYCH 2230. Not open to freshmen. Schedule TBA. Jun 27 - Aug 5, 2016. S. Dietz.

**6. Anatomy and Physiology***FALL*

**BIOAP 3110 Principles of Animal Physiology** (also VTBS 3460/BIOMS 3110), 3 cr. Prerequisite: BIOG 1500, BIOG 1440, BIOG 1445, Comparative Physiology or one year of college biology; one year chemistry and mathematics or equivalent AP credit. Recommended prerequisite or concurrent: physics course. MWF 11:15-12:05. E. Loew.

[**DEA 4520 Applied Anatomy and Biomechanics for Ergonomic Design** (also BME 4520), 3 cr. MW: 8:40-9:55. D. Feathers.]

*SPRING*

**NS 3410 Human Anatomy & Physiology**, 4 cr. Prereq: 1 yr intro bio (BIOG 1440 or BIOG 1445 strongly recomd). Limit: Senior, junior, or sophomore stds. Letter grades only. MTWF: 11:15-12:05. K. O'Brien.

**7. Biological Diversity***FALL*

**PLBIO 2410 Introductory Plant Biodiversity and Evolution**, 3 cr. TR 9:05-9:55 + lab and field trips. K. Niklas.

[**PLBIO 2430 Taxonomy of Cultivated Plants** (also PLHRT 2430), 4 cr. Prerequisite: one year introductory biology or written permission of instructor. May not be taken for credit after PLBIO 2480. MWF: 10:10-11:00 + lab. M.A. Luckow.]

**BIOMI 2900 General Microbiology Lectures**, 3-4 cr. Must be taken for 3 cr. to fulfill B&SOC requirements. Prerequisite: two semesters majors-level biology and two semesters college-level chemistry, or equivalent. Highly recommended corequisite: BIOMI 2910 or BIOMI 2911. Letter grades only. MWF 11:15-12:05 + Section. S. Winans.

[**BIOEE 4500 Mammalogy Lectures**, 3 cr. Recommended prerequisite: BIOEE 2740 or BIOSM 2740. S-U grades by permission only. Letter grades only. Not offered 2016-2017. J. Searle.]

**BIOEE 4760 Biology of Fishes**, 4 cr. Recommended BIOEE 2740 or equivalent experience in vertebrate zoology. Limited to 24 students. Letter grades, S-U by permission only. Small lab fee may be required. MWF: 10:10-11:00. W. Bemis.

**ENTOM 2120 Insect Biology**, 4 cr. Prerequisite or co-requisite: one semester of college biology or permission of instructor. Course lab fee: \$25. Letter grades only. TR: 9:05-9:55 + lab. J. Liebherr. Staff.

**PLPPM 3010 Biology and Management of Plant Diseases**, 4 cr. Prerequisite: one year of biology. Lab portion of the course starts the second week of classes. Letter grades only. MWF: 11:15-12:05 + Lab. W. Fry.

[**PLPPM 3090 Fungi**, 3 cr. TR: 9:05-9:55 + lab. K. Hodge.]

[PLPPM 4490 **Advanced Mycology**, 3 cr. Prerequisite: two semesters of General Biology. T. E. Pawlowska.]

**SPRING**

**BIOEE 2740 The Vertebrates: Comparative Anatomy, Function and Evolution**, 4 cr. Prerequisite: two majors-level biology courses. Course fee: \$25. Laboratories include dissections of preserved vertebrate animals and noninvasive live animal demonstrations. MWF: 11:15-12:05 + Lab. W. Bemis, B. McGuire.

**BIOEE 4700 Herpetology, Lectures**, 2 cr. Recommended prerequisite: BIOEE 2740 or BIOSM 2740. Enrollment limited to: 50 students (Offered alternate years) Letter grades only. (S-U grades with permission of instructor) B&SOC Majors must enroll in both 4700 and 4701 to count towards one breadth requirement. Time: TR: 12:20-1:10. K. Zamudio.

**BIOEE 4701 Herpetology, Laboratory**, 2 cr. Prerequisite or co-requisite: BIOEE 4700. Course fee: \$30. (Offered alternate years) Letter grades only. (S-U grades with permission of instructor) B&SOC Majors must enroll in both 4700 and 4701 to count towards one breadth requirement. TR: 1:25-4:25. K. Zamudio.

[**BIOEE 4750 Ornithology**, 4 cr. Permission of instructor required by pre-registering in E241 Corson Hall. Recommended pre-req: BIOEE 2740 or BIOSM 2740. Course fee: \$15. Enrollment limited to: 35 students. Occasional field trips and special projects. Letter grades only. (S-U grades with permission of Instructor). Not offered 2016-2017. D. Winkler.]

**BIOMI 2900 General Microbiology Lectures**, 3-4 cr. Prereq: two semesters majors-level biology and two semesters college-level chemistry. Highly recommended: BIOMI 2911. Letter grades only. MWF 11:15-12:05 + sec. D. Buckley, E. Angert.

**PLBIO 2480 Vascular Plant Systematics**, 4 cr. (Offered alternate years) 4 credits. Prerequisite: introductory course in biology or botany or permission of instructor. May not be taken for credit after PLBIO 2430. MWF: 9:05-9:55am +lab. J. Davis.

**SUMMER**

**BIOMI 2900 General Microbiology Lectures**, 2-3 cr. Must be taken for 3 cr. to fulfill B&SOC requirements. Prerequisite: two semesters majors-level biology and two semesters college-level chemistry, or equivalent. Highly recommended corequisite: BIOMI 2910 or BIOMI 2911. Letter grades only. MTWRF 10:00- 11:15. Jun 27 - Aug 5, 2016. Staff.

[**BIOSM 3080 Field Microbial Ecology**, 4 cr. Course taught at the Shoals Marine Laboratory, NH. For more information, contact the SML office at G14 Stimson Hall. L. Zettler and E. Zettler.]

[**BIOSM 3100 Marine Symbiosis**, 4 cr. Prereq: one year biology. 2-week session. Course taught at the Shoals Marine Laboratory, NH. For more information, contact the SML office at G14 Stimson Hall.]

**BIOSM 3210 Anatomy and Function of Marine Vertebrates**, 3 cr. Prerequisite: one semester of college-level biology or equivalent. Shoals Marine Laboratory. Monday-Sunday 8:20a-9:30p. Jul 25 - Aug 8, 2016. S. Farina. M. Gordon.

[**BIOSM 3730 Biodiversity and Biology of the Marine Invertebrates**, 3 cr. Prerequisite: one semester of college-level biology or equivalent. Offered in Maine at Shoals Marine Laboratory on Appledore Island. P. Mikkelsen.]

**BIOSM 3740 Field Ornithology**, 3 cr. Prerequisite: one semester of college-level biology or equivalent; background in ornithology or vertebrate biology is recommended, not required. Shoals Marine Laboratory. More info contact the School of Continuing Education and Summer Sessions. Monday-Sunday 8:20a-9:30p. May 27 - Jun 10, 2016. D. Bonter.

[**BIOSM 3770 Diversity of Fishes**, 3 cr. Prerequisite: one semester of college-level biology or equivalent. Recommended prerequisite: background in vertebrate biology. Offered in Maine at Shoals Marine Laboratory on Appledore Island. For more information, contact the SML office at G14 Stimson Hall. Staff.]

[**BIOSM 4490 Marine Botany**, 3 cr. Prerequisite: one semester of college-level biology or equivalent. Offered in Maine at Shoals Marine Laboratory on Appledore Island. For more information, contact the SML office at G14 Stimson Hall. R. Zechman.]

**8. Nutrition**

**FALL**

**NS 1150 Nutrition, Health, and Society**, 3 cr. Enrollment preference given to: DNS Majors and Human Ecology students. MWF: 1:25-2:15. D. Levitsky.

**WINTER**

**NS 1150 Nutrition, Health, and Society**, 3 cr. Enrollment preference given to: DNS Majors and Human Ecology students. MWF: 1:25-2:15. D. Levitsky.

**SPRING**

**NS 1220 Nutrition and the Life Cycle**. 3 cr. Offered alternate years. Prerequisite: one semester college biology or NS 1150. Limited enrollment. Letter grades only. Forbidden Overlap: NS 3310. MWF: 1:25-2:15. P. Weisberg Shapiro.

**SUMMER**

- NS 1150 Nutrition, Health, and Society**, 3 cr. Enrollment preference given to: DNS Majors and Human Ecology students. Time: TBA. June 1-June 24, 2016. Staff.

**D. BIOLOGY DEPTH REQUIREMENT** (*one course for which one of the above (IIC) is a prerequisite.*) *Check various biology areas in Courses of Study for upper-level courses. Also see Stacey Stone in 306 Rockefeller Hall for approved depth courses for NS 1150 and NS 1220.*

**E. STATISTICS** (*one course*)**FALL**

- AEM 2100 Introductory Statistics**, 4 cr. Prerequisite: college algebra. Enrollment preference given to: AEM Majors. Letter grades only. MWF 1:25-2:15 + sec. C. Van Es.
- [**NTRES 3130 Biological Statistics I** (also BTRY 3010/STSCI 2200), 4 cr. Prerequisite: one semester of calculus. TR: 8:40-9:55 + lab. P. Sullivan.]
- ECON 3130 Statistics and Probability**, 4 cr. Prerequisite: MATH 1110 - MATH 1120 and ECON 1110 or ECON 1120. TR 1:25-2:40 + sec. Y. Hong. Staff.
- ILRST 2100 Introductory Statistics** (also STSCI 2100), 4 cr. Prerequisite: introductory algebra. Letter Grades Only. Non-ILR students please enroll in STSCI 2100. TR: 10:10-11:25 + DIS. M. Karns.
- MATH 1710 Statistical Theory and Application in the Real World**, 4 cr. Prerequisite: high school mathematics. MWF: 12:20-1:10 + lab. Staff.
- PSYCH 3500 Statistics and Research Design**, 3-4 cr. variable. Prereq: One course in behavioral sciences. Calculus is not required. The 4-credit version includes instruction in the use of the statistical software package R. Limited to 120. MWF 2:30-3:20. T. Cleland.
- SOC 3010 Evaluating Statistical Evidence**, 4 cr. Open to Arts & Sciences students only. MW: 10:10-11:00 + sec. Staff.
- STSCI 2150 Introductory Statistics for Biology**, 4 cr. Forbidden Overlap: Students may receive credit for only one course in the following group: AEM 2100, BTRY 3010, ENGRD 2700, ILRST 2100, PAM 2100, PSYCH 3500, SOC 3010 or AP statistics. MWF: 2:30-3:20 + Lab. M. Smith.

**WINTER**

- ILRST 2100 Introductory Statistics** (also STSCI 2100), 4 cr. Prerequisite: introductory algebra. Letter Grades Only. Non-ILR students please enroll in STSCI 2100. TR: 10:10-11:25 + DIS. P. Velleman.

**SPRING**

- ILRST 2100 Introductory Statistics** (also STSCI 2100), 4 cr. Prerequisite: introductory algebra. Letter Grades Only. Non-ILR students please enroll in STSCI 2100. TR: 10:10-11:25 + DIS. M. Karns.
- MATH 1710 Statistical Theory and Application in the Real World**, 4 cr. Also Fall. Prerequisite: high school mathematics. MWF: 12:20-1:10 + Dis. M. Nussbaum.
- PAM 2100 Introduction to Statistics**, 4 cr. MW: 2:55-4:10 + Sec. Enroll limit: Human Ecology stds. Letter grades only. T. Evans.
- STSCI 2150 Introductory Statistics for Biology**, 4 cr. MWF: 2:30-3:20 + Lab. Forbidden Overlap: Students may receive credit for only one course in the following group: AEM 2100, ENGRD 2700, HADM 2010, ILRST 2100/STSCI 2100, MATH 1710, PAM 2100, PAM 2101, PSYCH 3500, SOC 3010, STSCI 2150. M. Smith.

**SUMMER**

- ILRST 2100 Introductory Statistics** (also STSCI 2100), 4 cr. Prerequisite: introductory algebra. Letter Grades Only. Non-ILR students please enroll in STSCI 2100. Time: TBA. June 1-June 24, 2016. Staff.
- [**PSYCH 3500 Statistics and Research Design**, 3-4 cr. variable. Prereq: One course in behavioral sciences. Calculus not reqd. 4-cr version includes instruction in the use of the statistical software package R. Limit 120. MWF 2:30-3:20. T. Cleland.]

**III. CORE COURSES****FALL**

- BSOC 3011 Life Sciences and Society** (also STS 3011), 4 cr. Limit to Senior, Junior and Sophomore students. TR: 8:40-9:55. A. Johnson.

**SPRING**

- NTRES 2320 Nature and Culture**, 3 cr. MWF: 10:10-11:00. J. Tantillo.

- [BSOC 1942 **The History of Science in Europe: Newton to Darwin; Darwin to Einstein** (also HIST 1942, STS 1942), 4 cr. (This course can only fulfill the foundation or core course requirement but not both). TR: 11:40-12:55. P. Dear.]
- BSOC 2821 **Science in Western Civilization: Newton to Darwin, Darwin to Einstein** (also STS 2821/HIST 2820), 4 cr. MW 11:15-12:05 + section. S. Seth.
- [STS 2861 **Science and Human Nature** (also PHIL 2860), 4 cr. TR 11:40-12:55 + sec. R. Boyd.]

**SUMMER**

- [NTRES 2320 **Nature and Culture**, 3 cr. MWF: 10:10-11:00. Staff.]

**IV. THEME** (Five courses that correspond to the theme selected by the student. As with all Biology & Society requirements, these courses must be above the 1000 level, at least 3 cr. hours and taken for a letter grade).

- A. **Natural Science Issues/Biology Elective (two courses). Select from the following list of B&SOC approved Natural Science Issues courses or choose course(s) with intro biology as a prerequisite.**

**FALL**

- BSOC 2141 **The Biological Basis of Sex Differences** (also BIOAP/FGSS/BIOMS 2140), 3 cr. Prerequisite: one college-level biology course or permission of instructor. TR 8:40-9:55. Alternate years. J. Fortune.
- [BSOC 3441 **Insect Conservation Biology** (also ENTOM 3440), 3 cr. Prerequisite: entomology or conservation biology course or permission of instructor. TR: 10:10-11:25. J. Losey.]
- BIOMI 2500 **Public Health Microbiology**, 3 cr. Prerequisite: 2 semesters of majors-level biology and 1 semester general chemistry. MWF: 10:10-11. J. Shapleigh and S. Merkel.
- BIOMS 3150 **Basic Immunology**, 3 cr. Highly recommended prerequisite: basic courses in microbiology, genetics, and cell biology. TR: 8:40-9:55. A. August.
- BEE 3299 **Sustainable Development**, 3 cr. Limited to: at least sophomore standing. Web based course. Time: TBA. M. Walter.
- [BME 4110 **Science and Technology Approaches to Problems in Human Health**, 3 cr. Prerequisites: junior, senior, or graduate standing; sophomores by permission of instructor. Not offered 2016-2017. N. Nishimura and M. Kaplitt.]
- DEA 3510 **Ergonomics and Anthropometrics**, 3 cr. TR 1:25-2:40. A. Hedge.
- [DEA 4520 **Applied Anatomy & Biomechanics of Ergonomic Design**, 3 cr. Prerequisite: DEA 1500 or permission of instructor. Recommended prerequisite: DEA 2900, 3510; Calculus and basic physics. MW: 8:40-9:55. D. Feathers.]
- ENTOM 2020 **Invasions: Trading Species in a Shrinking World**, 3 cr. TR: 1:25-2:15 + Lab. A. Hajek and J. Nyrop.
- [ENTOM 3520 **Medical and Veterinary Entomology**, 3 cr. Prerequisite: Bio course or permission of Instructor. This class may be taken as an elective for the Global Health Minor. Not offered 2016-2017. L. Harrington.]
- HD 2200 **The Human Brain and Mind: An Introduction to Cognitive Neuroscience**, 3 cr. Prereq: HD 1150 or PSYCH 1101 and BIONB 2220 or PSYCH 2230 or permission of instructor. TR: 2:55-4:10. S. Spreng.
- HD 3250 **Neurochemistry of Human Behavior**, 3 cr. TR: 11:40-12:55. E. DeRosa.
- HD 3370 **Language Development** (also LING 4436, PSYCH 4360, COG ST 3370), 4 cr. Prereq: at least one course in develop. psych, cognitive psych, cognitive development, neurobiology, biology, or linguistics. TR 2:55-4:10. B. Lust.
- [HD 3440 **Infant Behavior and Development**, 3 cr. Prereq: HD 1150, a biology course, and a statistics course. Enrollment limited to: 60 students. Not open to freshmen. MWF 1:25-2:15. S. Robertson.]
- [HD 4330 **Developmental Cognitive Neuroscience** (also COGST 4330), 3 cr. TR 8:40-9:55. B.Ganzel.]
- [HD 4660 **Psychobiology of Temperament and Personality**, 3 cr. Prerequisite: HD 3660. Permission of instructor required. Enrollment limited to: 20 students. TR: 1:25-2:40. R. Depue.]
- NS 2750 **Human Biology and Evolution** (also ANTHR 2750), 3 cr. Prereq: College biology. MW 10:10-11:00 + sec. Z. Gu.
- [NS 3060 **Nutrition and Global Health**, 3 cr. TR: 10:10-11:25. S. Mehta.]
- NS 3600 **Epidemiology**, 3 cr. This course replaces NS 3500. Prerequisite: STSCI 2150. TR: 10:10-11:25. J. Finkelstein.
- [PLBIO 2470 **Plants and People**, 3 cr. TR 1:25-2:15 + Lab. M. Luckow.]



- PLHRT 3600 Climate Change and the Future of Food**, 3 cr. Prerequisite: at least 3 credits in plant, agricultural, or environmental sciences, or similar relevant field of study. TR: 10:10-11 +sec. D. Wolfe.
- PLPPM 2950 Biology of Infectious Disease: From Molecules to Ecosystems**, 3cr. Prereq: two of the three core undergraduate biology courses or the equivalent. Enroll limit: sophomore standing or +. MWF: 11:15-12:05. M. Milgroom.
- PSYCH 2230 Introduction to Biopsychology** (I:supplementary list), 3 cr. May be used to satisfy the psychology major, breadth requirement and alternative prerequisite for biopsychology courses.MWF: 10:10-11:00. T. Devoogd.
- PSYCH 2750 Introduction to Personality** (also HD 2600), 3 cr. Recommended: introductory psychology or human development course. TR: 2:55-4:10. Department consent required. C. Iricinski.
- [**PSYCH 3260 Evolution of Human Behavior**, 4 cr. Prereq: PSYCH 2230 or intro. biology/anthropology course. TR 2:55-4:10. R. Johnston.]

*SPRING*

- ANSC 2400 Animal Reproduction and Development**. 3 cr. Prerequisite: ANSC 1100-1160, equivalent or one year intro biology. Letter grades only. MWF 10:10-11:00. Staff.
- ANSC 2410 Animal Reproduction and Development Lab**. 1 cr. Prerequisite or co-requisite: ANSC 2400. Limited to: 30 students per laboratory. Letter grades only. T or W: 1:25-4:25. J. Giles.
- ANTHR 3390 Primate Behavior and Ecology with Emphasis on African Apes**. 4cr.Prerequisite: ANTHR 1300 or other coursework in evolutionary biology recommended. MWF: 12:20-1:10pm. A. Arcadi.
- [**BSOC 2101 Plagues and People** (also ENTOM 2100), 2-3 credits (**BSOC Majors must take this for 3 credits**). Not offered 2016-2017. MW: 2:30-3:20 + sec. L. Harrington. M. Caillaud.]
- BEE 3299 Sustainable Development**, 3 credits. Limited to: at least sophomore standing. Course is web based. See BEE Roster for info on first meeting date. T. Walter.
- [**DEA 3520 Inside-Out Ergonomics I: Anatomy for Design** 3 cr. MW: 8:40-9:55am. D. Feathers.]
- [**EAS 3220 Biogeochemistry of the Hawaiian Islands**, 4 credits. Prerequisites: EAS 2200, EAS 3030, and one semester each of college level chemistry and calculus, or permission of instructor. Permission of instructor required. Enrollment limited to: students enrolled in EES Field Program in Hawaii. Time: TBA. L. Derry.]
- EAS 3510 Conservation Oceanography** (also BIOEE 3510), 4 credits. Prerequisites: two majors-level biology courses, or permission of instructor. Permission of instructor required. Enrollment limited to: students enrolled in Cornell Ocean Research Apprenticeship for Lynch Scholars Program. Program. Time: TBA. C. Greene and C. Harvell.
- [**ENTOM 2770 Natural Enemies and Invasive Species**, 3 cr. (Biology & Society students must take 3-credit option). J. Nyrop.]
- [**FSAD 4390 Biomedical Materials and Devices for Human Body Repair** (also BME 5390), 2-3 cr. Enroll limit: junior or senior standing. College natural science requirement (chemistry or biology). TR: 1:25-2:40. C. Chu.]
- [**HD 3200 Human Developmental Neuropsychology**, 3 cr. TR: 8:40-9:55. B. Ganzel.]
- HD 3660 Affective and Social Neuroscience**, 3 cr. Prereq: HD 2200/PSYCH 2230 or BIONB 2220. TR: 11:40-12:55. A. Anderson.
- HD 4260 Translational Research on Memory and Neuroscience**, 4 cr. Prereq: HD 1150 or HD 1170 or PSYCH 1101 and HD 2600. Permission of instructor required. Enrollment limited to: 20 stds. W: 12:20-2:15. C. Brainerd.
- [**NS 3150 Obesity and the Regulation of Body Weight** (also PSYCH 3150), 3cr. Enrollment limited to: junior or senior standing. Others by instructor permission only. Prerequisite: NS 1150, PSYCH 1101. Not offered 16-17. D. Levitsky.]
- NS 3220 Maternal and Child Nutrition**, 3 cr. Prereq: NS 1220 or permission of instructor. Limited enrollment. Offered alternate years. TR: 10:10-11:25. P. Brannon.
- NS 3310 Human Nutrition and Nutrient Metabolism**, 4 cr. Prereq: BIOBM 3300 or 3310 or NS 3200 or equivalent. Forbidden Overlap: NS 1220. Enrollment limited to: Senior, junior, or sophomore students. MWF 10:10-11:00 + sec. C. McCormick.
- [**NS 3610 Biology of Normal and Abnormal Behavior** (also PSYCH 3610), 3 cr. Juniors and seniors only. Prereq: BIOEE \ 1101-1102, PSYCH 1101, or permission of the instructor. MWF 9:05-9:55. B. Strupp.]

- [NS 4520 **Molecular Epidemiology and Dietary Markers of Chronic Disease**, 3 cr. TR: 3:35-4:50. Staff.]
- [NS 4750 **Mechanisms Underlying Mammalian Developmental Defects** (also BIOAP/BIOMS 4750), 3 cr. Prereq: CHEM 2070-2080 & BIOBM 3300. May be used to fulfill the Biology Depth course requirement. Offered alternate years. MWF: 11:15-12:05. P. Stover, D. Noden.]

NTRES 2010 **Environmental Conservation**, 3 cr. MWF 12:20-1:10 + sec. J. Yavitt.

[NTRES 4280 **Principles and Practices of Applied Wildlife Science**, 3 credits. Prerequisite: NTRES 3100 or equivalent; permission of instructor required. Offered alternative years. TR: 10:10-11:25. P. Curtis.]

PSYCH 3260 **Evolution of Human Behavior**, 4 cr. Prereq: PSYCH 2230 or intro bio or anthropology. TR 2:55-4:10. A. Ophir.

#### SUMMER

[BEE 3299 **Sustainable Development**, 3 credits. Limited to: at least sophomore standing. See BEE Roster for info on first meeting date. Course is web based. T. Walter.]

BIOSM 2770 **Intro to Marine Conservation Biology**, 3 cr. Prerequisite: one semester of college-level biology or equivalent. Shoals Marine Laboratory. For more info contact the School of Continuing Education and Summer Sessions. Monday-Sunday 8:20a-9:30pm. Jun 13 - Jun 27, 2016. Staff.

[BIOSM 3220 **Ecology of Biological Invasions**, 4 cr. Prereq: one year biology. 2-week session. Course taught at the Shoals Marine Laboratory, NH. For more information, contact the SML office at G14 Stimson Hall. R. Seeley and J. Dijkstra.]

[BIOSM 3550 **Field and Experimental Oceanography**, 4 cr. Prereq: 1 semester of college-level biology or equivalent. 3 credits. Letter grades only. Offered in Maine at Shoals Marine Laboratory on Appledore Island. For more information, contact the SML office at G14 Stimson Hall. E. Zettler, I. Hewson, J. Factor.]

BIOSM 3650 **Underwater Research**, 3 cr. Prerequisite: one semester of college-level biology or equivalent, recognized SCUBA certification, and approval to SCUBA dive at Shoals. Shoals Marine Laboratory. For more info contact the School of Continuing Education and Summer Sessions. Monday-Sunday. 8:20a-9:30p. Jul 25 - Aug 8, 2016. J. Coyer.

[BIOSM 4130 **Research in Marine Biology**, 3 cr. Prereq: one semester of college-level biology or equivalent. Recommended: experience in ecology or physiology. Offered in Maine at Shoals Marine Laboratory. For more information, contact the SML office at G14 Stimson Hall. D. Fudge.]

[BIOSM 4720 **Genetics of Marine Diversity**, 4 cr. Prereq: one year biology. 2-week session. Course taught at the Shoals Marine Laboratory, NH. For more information, contact the SML office at G14 Stimson Hall. A. Sherlock.]

[NS 4210 **Nutrition and Exercise** 3 cr. Prerequisites: BIOAP 3110 or NS 3410 and NS 1150 or NS 3310. Limited to nutrition majors only, by permission of the instructor. M-F: 9:00-12:30. S. Travis.]

**B. Humanities/Social Science Elective (two courses) Please refer to this course list for suggested Humanities/Social Science theme electives. Please note: You are not limited to this list of suggestions.** Courses listed earlier as social science/humanities foundation courses (2B) are particularly appropriate as social science/humanities electives. However, a single course cannot be used to meet both requirements.

#### FALL

AEM 4640 **Economics of Agricultural Development**, 3 cr. MW: 12:20-1:10. Prerequisite: ECON 1110 or 1120 or permission of instructor. Preference given to AEM Majors. S. Kyle.

ANTHR 4390 **Topics in Biological Anthropology: Primate Conservation**, 4 cr. M: 2:30-4:25. A. Arcadi.

BEE 3299 **Sustainable Development**, 3 credits. Enroll limit: at least sophomore standing. Course is web based. Time: TBA. M. Walter.

BME 4440 **Science Policy Bootcamp: Concept to Conclusion**, 3 cr. Dept. consent required. TR: 1:25 - 2:40. C. Schaffer.

[BSOC 2122 **Darwin and the Making of Histories** (also HIST 2122, STS 2122), 4 cr. TR: 1:25-2:40. P. Dear.]

[BSOC 2350 **Literature and Medicine: The Science and Fiction of Disease** (also ENGL/FGSS/LGBT 2350), 4 cr. TR: 1:25-2:40. E. Cohn.]

BSOC 2561 **Medicine and Healing in China** (formerly BSOC/STS 2261) (also HIST 2562, ASIAN/CAPS 2262, STS 2561), 4 cr. TR: 2:55-4:10. T. Hinrichs.

[BSOC 2681 **Environmental Issues in the Contemporary Middle East** (also NES/JWST 2687, GOVT 2583), 3 cr. TR: 10:10-11:25. L. Ababneh.]

BSOC 3311 **Environmental Governance** (also STS/NTRES/DSOC 3311), 3 cr. MW: 1:25-2:15 + Sec. R. Ghosh. S. Wolf.

- [BSOC 3460 **Anthropology of the Body** (also ANTHR 3465, STS 3460), 4 cr. TR: 10:10-11:25. Not offered 16-17. S. Langwick.]
- [BSOC 3541 **The Sociology of Contemporary Culture** (also STS 3541, D SOC 3540, SOC 3520), 4 cr. C. Leuenberger.]
- [BSOC 3620 **A Global Controversy: How to Study a Human Rights Violation** (ANTHR/ASRC 3620, FGSS 3621), 4 cr. TR: 10:10-11:25. S. Hodzic.]
- [BSOC 4303 **The GMO Debate: Science and Society** (also STS/GOVT/PLBIO/PLSCS/IARD/PLBRG 4303), 4 credits. Not Offered 2016-2017. University Course. TR: 11:40-12:55 + sec. R. Herring, P. Hobbs, P. Davies, J. Thies, and S. Evanega.]
- [CRP 4510 **Environmental Law** (also CRP 5510), 4 cr. R. Booth.]
- [DEA 4220 **Ecological Literacy and Design** (also ARCH 4601), 3 cr. TR: 10:10-11:25. Not offered 2016-2017. J. Elliott.]
- DSOC 2010 **Population Dynamics** (also SOC 2202), 3 cr. Enrollment limited to 35. Instructor Consent Required. ALS students must register for this course as DSOC 2010. TR 11:40-12:55. Staff.
- [DSOC 2610 **Sociology of Sustainable Development**, 3 cr. Staff.]
- [DSOC 3330 **Genomics and Society** (also STS 3331), 3 cr. Staff]
- [DSOC 4100 **Health and Survival Inequalities** (also AIS/SOC 4100), 3 cr. TR: 1:25-2:40. A. Gonzales.]
- HD 2180 **Human Development: Adulthood and Aging**, 3 cr. Prereq: HD 1150 or 1170. TR: 8:40-9:55 + sec. C. Loeckenhoff.
- HD 3190 **Memory and the Law**, 3 cr. TR: 11:40-12:55. M. Toglia.
- [HD 3360 **Connecting Social, Cognitive & Emotional Development**, 3 cr. Prerequisites: HD 1150 or PSYCH 1101 and HD 2300 and either HD 2600 or HD 2610. TR 11:40-12:55. M. Casasola.]
- [HD 3570 **Social Inequalities in Physical and Mental Health** (also SOC 3670), 3 cr. MW: 8:40-9:55 + sec. E. Wethington.]
- HD 4570 **Health and Social Behavior** (also SOC 4570), 3 cr. Prereq: statistics course and one of: SOC 1101/DSOC 1101, or HD 2510/SOC 2510. Enroll limit: 20 juniors or seniors. TR: 10:10-11:25. E. Wethington.
- NS 3600 **Epidemiology**, 3 cr. This course replaces NS 3500. Prerequisite: STSCI 2150. TR: 10:10-11:25.. J. Finkelstein.
- [NS 4570 **Health, Poverty, and Inequality: A Global Perspective** (also ECON 3910), 3 cr. Next offered 2018-2019. Prereq: Intro. microeconomics and statistics or permission of instructor. TR: 11:40-12:55. D. Sahn.]
- NS 4600 **Explorations in Global Health and Public Health**, 3 cr. Enroll limit: seniors with completion of all requirements for the global health minor or permission of instructor. Dept. consent reqd. TR: 1:25-2:40. D. Pelletier.
- [NS 6500 **Assessment of Food & Nutrition in Social Context**, 3 cr. Prerequisite: course in Social Sciences. Letter grade only. TR 1:25-2:40. D. Pelletier, G. Pelto.]
- NTRES 3330 **Ways of Knowing: Indigenous & Local Ecological Knowledge** (also AIS/AMST 3330, NTRES 6330), 3 cr. Enrollment limited to: Juniors, seniors, and grad students. Sophomores require permission of instructor. TR: 8:40-9:55. K. Kassam.
- PAM 2300 **Introduction to Policy Analysis**, 4 cr. MWF: 12:20-1:10. R. Avery.
- PAM 2350 **The U.S. Health Care System**, 3 cr. TR: 11:40-12:55. S. Nicholson.
- [PAM 2450 **Neighborhoods, Housing and Urban Policy**, 3 credits. MW: 2:55-4:10. L. Tach.]
- [PAM 3030 **Ecology and Epidemiology of Health**, 3 cr. Staff.]
- PAM 3280 **Fundamentals of Population Health** (also DSOC 3280), 3 cr. Prereq: At least one of: HD 1150, HD 1170, HD 2180, HD 2510, SOC 1101, DSOC 1101, DSOC 2200, PAM 2030, PAM 3360, PSYCH 1101, FGSS 3500, PAM 3500. Enroll limit: sophomore standing or above. TR: 1:25-2:40. J. Carmalt.
- [PAM 3350 **Families, Poverty & Public Policy**, 3 credits. MWF: 10:10-11:00. M. Waller.]
- PAM 3370 **Race and Public Policy** (also SOC 3370), 3 credits. TR: 11:40-12:55. S. Sassler.

- [PAM 3500 **Contemporary Issues in Women's Health** (also FGSS 3500), 3 cr. TR: 10:10-11:25. A. Parrot.]
- [PAM 3800 **Human Sexuality**, 4 cr. Prereq: An intro course in human development and family studies, psychology, or sociology. Recomd. prereq: A biology course. Discussion enrollment will occur during the first week of class by the instructor. Enroll in lecture only. TR: 1:25-2:40 + sec. A. Parrot.]
- [PAM 4050 **Reproductive Health Policy** (also FGSS 4051), 3 cr. Prereq: PAM 2030, and one of: PAM 3500, PAM 3050, PAM 3360. Recomd. prereq: PAM 2300. MW: 2:55-4:10. A. Parrot.]
- PAM 4370 **The Economics of Health Care Markets** (also ECON 3720), 3 cr. Prereq: PAM 2000, PAM 3100, or equivalent. TR: 2:55-4:10. S. Kleiner.
- [PHIL 2410 **Ethics**, 4 cr. MW: 2:55-4:10 + sec. K. Manne.]
- PSYCH 2750 **Introduction to Personality** (also HD 2600), 3 cr. Recomd: introductory psychology or human development course. TR: 2:55-4:10. C. Iricinski.
- STS 4240 **Designing Technology for Social Impact** (INFO 4240), 3 cr. TR: 1:25-2:40. P. Sengers.
- [STS 4811 **Topics in the Philosophy of Science** (also PHIL 4810), 4 cr. W: 7:30-9:55pm. R. Boyd.]

**SPRING**

- [ANTHR 2411 **Nature and Culture** 4 cr. Sophomore Seminar, limited to 15. S. Sangren]
- BEE 3299 **Sustainable Development**, 3 credits. Enroll limit: at least sophomore standing. Course is web based. Time: TBA. T. Walter.
- [BSOC 2101 **Plagues and People** (also ENTOM 2100), 2-3 credits (**BSOC Majors must take this for 3 credits**). Not offered 2016-2017. MW: 2:30-3:20 + sec. M. Caillaud., L. Harrington.]
- BSOC 2350 **Literature and Medicine: The Science and Fiction of Disease** (also ENGL/FGSS/LGBT 2350), 4 cr. MWF: 1:25-2:15. E. Cohn.
- BSOC 2581 **Environmental History** (also HIST/AMST 2581), 4 cr. TR: 11:15-12:05 + DIS. A. Sachs.
- BSOC 3181 **Living in an Uncertain World: Science, Technology, and Risk** (also HIST/STS 3181), 4 cr. TR: 10:10-11:25. R. Slayton.
- BSOC 3231 **Global Health Security and Diplomacy** (also STS 3231) 4 cr. Taught in Washington, DC as part of Cornell in Washington Program. To enroll contact Jason Rao: jr797. Time: TBA. J. Rao.
- [BSOC 3460 **Anthropology of the Body** (also ANTHR 3465, STS 3460), 4 cr. TR: 1:25-2:40. Not offered 16-17. S. Langwick.]
- DSOC 2050 **International Development** (also SOC 2206), 3-4 cr. Time: MW: 10:10-11:00 + Dis. P. McMichael + R. Bezner Kerr.
- [DSOC 4210 **Theories of Reproduction** (also SOC), 4 cr. A. Basu.]
- [DEA 4100 **Diversity and Facility Design**, 3 cr. Prereq: DEA 1500, DEA 1110, or permission of instructor. Some exercises will require travel off campus. W: 1:25-4:25. L. Maxwell.]
- [DEA 4150 **Strategic Planning for Social Institutions**, 3 credits. Prereq: DEA 1150, 2500, 4590 or permission. L. Maxwell.]
- HD 2510 **Social Gerontology: Aging and the Life Course** (also SOC 2510), 3 cr. Limited to 60 students. Prerequisite: HD 1150, HD 1170, SOC 1101, DSOC 1101, or PSYCH 1101. MW: 8:40-9:55. E. Wethington.
- [HD 3430 **Social Worlds of Childhood**, 4 cr. W: 2:30-4:30. J. Ross-Bernstein.]
- HD 3620 **Human Bonding**, 3 cr. Recomd. prereq: intro. psychology or human development course. TR: 2:55-4:10. C. Hazan.
- HD 4260 **Translational Research on Memory and Neuroscience**, 4 cr. Prereq: HD 1150/HD 1170 or PSYCH 1101 and HD 2600 or HD 2610. Permission of instructor required. Enroll limit: 20 stds. W: 12:20-2:15. C. Brainerd.
- [IARD 4850 **Case Studies in International Ecoagriculture and Environmental Conservation** (also NTRES/SNES 4850), 3 cr. Enrollment limited to: senior standing in IARD, SNES, or NTRES and international experience; others by permission of the instructors. MW: 2:55-4:10 + Lab. J. Lassoie. ]

- NS 2600 Introduction to Global Health**, 3 cr. Enrollment limited to: sophomore. Some freshmen may enroll after sophomore enrollment is set. Juniors sign up on a wait list only basis. Seniors by instructor permission. TR: 10:10-11:25. J Moseley.
- [NS **3150 Obesity and the Regulation of Body Weight** (also PSYCH 3150), 3 cr. Prereq: NS 1150, PSYCH 1101. Enroll limit: Juniors or seniors, others by instructor permission. Not offered 2016-2017. D. Levitsky.]
- [NTRES **4310 Environmental Strategies** (also DSOC 4320), 3 cr. MW: 2:55-4:10. S. Wolf.]
- [PAM **3030 Ecology and Epidemiology of Health** 3 cr. Staff.]
- [PAM **3290 Health, Demographic Processes, and the Life Course**, TR: 1:25-2:40. J. Carmalt.]
- PHIL 2410 Ethics**, 4 cr. MW: 2:55-4:10 + sec. H. Tierney
- PSYCH 3250 Adult Psychopathology**, (also HD 3700), 3 cr. Prereq: any one course in psychology or human development. Limit to: sophomores, juniors, seniors. TR 2:55-4:10. H. Segal.
- SOC 2650 Latinos in the United States** (also DSOC 2650, LSP 2010, AMST 2655), 3-4 cr. TR: 2:55-4:10. H. Velez.
- [SOC **3400 Health, Behavior, and Health Policy** 4 cr. Staff.]

**SUMMER**

- [BEE **3299 Sustainable Development**, 3 credits. See BEE Roster for info on first meeting date. Enroll limit: at least sophomore standing. Course is web based. M. Walter.]
- [NS **4210 Nutrition and Exercise**, 3 cr. (limited to nutrition majors, others by permission of instructor). M-F: 9-12:30. S. Travis.]

**C. Senior Seminars (One course must be taken during senior year for credit as senior seminar.)****FALL**

- [ASRC **4208 Racial and Ethnic Health Disparities**, 4 cr. M: 2:00-4:25. S. Notaro.]
- [ASRC **4606 The Family and Society in Africa** (also ASRC 6066, SOC 4780), 4 cr. M: 10:10-12:35. N. Assie-Lumumba.]
- BME 4440 Science Policy Bootcamp: Concept to Conclusion**, 3 cr. Dept. consent required. TR: 1:25 - 2:40. C. Schaffer.
- BSOC 4121 Scientific Revolution in Early-Modern Europe** (also STS/HIST 4120), 4 cr. W: 2:30-4:25. P. Dear.
- [BSOC **4122 Darwin and the Making of Histories** (also HIST/STS 4122), 4 cr. W: 2:30-4:25. P. Dear.]
- BSOC 4131 Comparative Environmental History** (also STS/HIST 4131), 4 cr. W: 12:20-2:15. S. Pritchard.
- [BSOC **4191 Aftermaths: The Complexities of Disasters** (STS 4191/SHUM 4191), 4 cr. R: 12:20-2:15. V. Choi.]
- BSOC 4291 Politics of Science**, (also GOVT 4291/STS 4291), 4 cr. Govt juniors/seniors given preference. T: 2:30-4:25. R. Herring.
- BSOC 4691 Food, Agriculture, and Society** (also STS 4691, BIOEE 4690), 3 cr. TR: 1:25-2:40. Prerequisite: introductory ecology course or permission of instructor. A. Power.
- [BSOC **4771 Advanced Seminar on Science, Technology and Politics** (also STS 4771), Instructor consent required, 4 cr. TR: 11:40-12:55. S. Hilgartner.]
- [COML **4900 Energy, Empire Modernity**, 4 cr. T: 2:30-4:25. A. Banerjee.]
- DEA 4500 Policy Meets Design: High-Impact Facilities of the 21<sup>st</sup> Century**, 3 cr. Grad stds/seniors have priority; others can attend if room. MW: 2:55-4:10. R. Zadeh.
- [DSOC **4380 Population and Development**, 3 cr. Limit 30. T: 1:25-4:25. L. Williams.]
- [DSOC **4950 Population, Environment, and Development in Sub-Saharan Africa** (also DSOC 6950), 3 cr. TR 2:55-4:10. P. Eloundou-Enyegue.]
- ENGL 4370 Science, Poetry, and Politics of Enlightenment** (also BSOC 4871) 4 cr. W: 10:10-12:05. A. Goldstein.
- [HD **4180 Aging: Contemporary Issues**, 3 cr. Prereq: HD 1150, 2500 & 2180 or permission of instructor. Limit 20. TR 2:55-4:10. Staff.]
- [HD **4190 Midlife Development**, 3 cr. TR 2:55-4:10. A. Ong.]

- [HD 4230 **Research in Children's Testimonial Competence**, 4 cr. Prereq: HD 1150 or PSYCH 1101 AND an introductory course in statistics, and permission of instructor. S. Ceci.]
- HD 4310 **Mind, Self, and Emotion** (also AAS 4310/COGST 4350), 3 cr. TR: 1:25-2:40. Q. Wang.
- [HD 4320 **Cognitive, Social, and Developmental Aspects of Scientific Reasoning** (also COGST 4320) 3 cr. S-U grades optional. Prerequisites: HD 1150 or PSYCH 1101 or permission of instructor. TR 2:55-4:10. B. Koslowski.]
- [HD 4330 **Developmental Cognitive Neuroscience** (also COGST 4330) 3 cr. TR: 8:40-9:55. B. Ganzel.]
- HD 4490 **Children's Learning in Social Context**, 3 cr. TR: 10:10-11:25. T. Kushnir.
- HD 4570 **Health and Social Behavior** (also SOC 4570), 3 cr. Prereq: statistics course and one of: SOC 1101/DSOC 1101, or HD 2510/SOC 2510. Enroll limit: 20 juniors or seniors. Letter grades only. Instructor Consent Required. TR: 10:10-11:25. E. Wethington.
- [HD 4590 **Transitions Across the Life Span**, 3 cr. Prereq: HD 2180, HD 2510, or permission of instructor. Enroll limit: 20 juniors or seniors. Instructor Consent Required. TR: 8:40-9:55. C. Loeckenhoff.]
- [HD 4640 **Adolescent Sexuality**, 3 cr. Instructor Consent Required. MWF: 1:25-2:15. R. Savin-Williams.]
- [HD 4660 **Psychobiology of Temperament & Personality**, 3 cr. Prereq: HD 3660. Permission of instructor required. Enroll limit: 20 students. TR: 1:25-2:40. R. Depue.]
- [HD 4740 **Autism and the Development of Social Cognition**, 3 cr. TR: 11:40-12:55. M. Belmonte.]
- [HD 6600 **Social Development**, 3 cr. Permission of instructor required for undergraduates. M: 500-7:30 p.m. K. Greene]
- [STS 4221 **New York Women** (also FGSS 4220), 4 cr. Enrollment limited to: 15 students. T: 12:20-2:15. M. Rossiter.]
- [STS 4231 **Gender and Technology in Historical Perspectives** (also HIST/FGSS 4231), 4 cr. R: 2:30-4:25. S. Pritchard.]
- [STS 4301 **Social Studies of Space, Technologies and Borders** (also DSOC 4301/GOVT 4807), 4 cr. M: 2:30-4:25. C. Leuenberger.]
- [STS 4321 **Lives of Scientists and Engineers**, 4 cr. T: 12:20-2:15. M. Rossiter.]
- STS 4331 **Science, Technology and Globalization**, 4 cr. T: 12:20-2:15. J. Ratcliff.
- STS 4411 **Philosophy of Medicine** (also BSOC 4411/PHIL 2961) 4 cr. W: 10:10-12:05. A. Johnson.
- [STS 4531 **Knowledge and Society**, (also SOC 4530), 4 cr. 4 cr. Limit:15 stds. W: 10:10-12:05. C. Leuenberger.]
- [STS 4951 **Social Studies of the Human Sciences**, 4 cr. M: 10:10-12:05. C. Leuenberger.]
- SPRING*
- ASRC 4602 **Women and Gender Issues in Africa**, (also ASRC 6602) 4 cr. TR: 10:10-11:25. N. Assie-Lumumba.
- [BSOC 4021 **Bodies in Medicine, Science, and Technology** (also STS/FGSS 4021), 4 cr. W: 10:10-12:05. R. Prentice.]
- BSOC 4101 **Becoming Animal: The Entangled Lives of Humans and Animals** (also STS 4101), 4 cr. R: 10:10-12:05. R. Prentice.
- [BSOC 4311 **From Surgery to Simulation** (also ANTHR/STS 4311), 4 cr. T: 10:10-12:05. R. Prentice.]
- [BSOC 4911 **Vitality and Power in China** (also HIST 4931/STS 4911/ASIAN 4429/RELST 4931/CAPS 4931), 4 cr. Next offered 2018-2019. R: 2:30-4:25. TJ Hinrichs.]
- [COMM 3210 **Communication and the Environment**, 3 cr. Offered odd years. TR: 11:40-12:55. M. Deline.]
- [ENGL 4212 **Literature and the Scientific Revolution in England** (also BSOC 4212) Not offered 2016-2017. J. Mann.]
- ENGL 4430 **Victorian Literature and Psychology** (also BSOC 4431) 4 cr. W 10:10-12:05. E. Cohn.
- [ENGL 4491 **Romanticism and the Fate of the Senses** (also BSOC 4941) Not offered 2016-2017. A. Goldstein.]
- [HD 3430 **Social Worlds of Childhood**, 4 cr. W: 2:30-4:30. Staff.]

- [HD 4140 **Social and Psychological Aspects of the Death Penalty**, 3 credits. W: 1:00-3:30. C.J. Brainerd.]
- [HD 4200 **Risk and Traditional Decision Making**, 3 cr. V. Reyna.]
- HD 4340 **Current Topics in Cognitive Development** (also COGST 4340), 3 cr. W: 10:10-12:35. M. Casasola.
- [HD 4680 **Stress in Childhood and Adolescence**, 3 cr. Recommended: HD 1150, HD 2500 and a statistics course. Letter grade only. TR 2:55-4:10. J. Eckenrode.]
- HD 4770 **Psychopathology in Great Works of Literature**, (also HD 6710) 3 cr. Prereq: HD 1150 or Introduction to Psychology. Enroll limit: 20 seniors, juniors, or graduate students. F. 10:10-12:35. J. Mendle.
- HD 4780 **Attention Deficit/Hyperactivity Disorder in Children**, 3 cr. Prereq: HD 1150 or equivalent, introductory biology, statistics course. Enrollment limited to: 15 students. TR: 10:10-11:25. S. Robertson.
- [HD 6600 **Social Development**, 3 cr. Permission of instructor required for undergraduates. M: 5:00-7:30 p.m. K. Greene.]
- NES 4652 **Bodies and Diseases in the Middle East (1500-2000)** (also BSOC 4651, FGSS 4652) 4 cr. Time: R: 10:10-12:05. S. Yilmaz.
- [NS 4520 **Molecular Epidemiology and Dietary Markers of Chronic Disease**, 3 credits, TR: 3:35-4:50. Staff.]
- NTRES 4300 **Environmental Policy Processes**, 3 cr. Prerequisites: juniors, seniors, and graduate students. Course fee applies. Permission of instructor required. Time: TBD. C. Kraft and B. Lauber.
- [NTRES 4310 **Environmental Strategies**, 3 credits. MW: 2:55-4:10. S. Wolf.]
- [NTRES 4330 **Applied Environmental Philosophy**, 3 cr. NTRES 3320 recomd prereq. TR: 10:10-11:25. J. Tantillo.]
- SHUM 4609 **Deep Skin in Digital Architecture** (also ARCH 6308, STS 4601, VISST 4609), 4cr. Intended for advanced undergraduate and graduate students. T: 12:20-2:15pm. A. Imperiale.
- SHUM 4610 **Media and Elemental Things** (also STS/VISST 4610), 4cr. Intended for advanced undergraduate and graduate students. R: 12:20-2:15pm. G. Kim.
- [STS 4041 **Controversies in Science, Technology and Medicine: What They Are and How to Study Them**, 4 cr. Not offered 2016-2017. T. Pinch.]
- [STS 4281 **Anticipation: Living in the Future** (also SHUM 4281), 4 cr. R: 12:20-2:15. V. Choi.]
- [STS 4311 **From Surgery to Simulation** (also ANTHR/BSOC 4311), 4 cr. T: 10:10-12:05. R. Prentice.]
- [STS 4441 **Historical Issues of Gender and Science** (also FGSS 4440), 4 cr. Not offered 2016-2017. M. Rossiter.]
- STS 4541 **Risk and Society**, 4 cr. T: 2:30-4:25. S. Hilgartner.
- STS 4661 **Public Communication of Science and Technology**, (also COMM 4660), 3 cr. Limit 15. Prereq: COMM 2850, COMM 3020, ENGRC 3500, or permission of instructor. R: 12:20-2:15. B. Lewenstein.
- STS 4751 **Science, Race, and Colonialism** (also HIST 4751), 4 cr. T: 12:20-2:15. S. Seth.
- [STS 4966 **Science, Technology and Medicine: The Sonic Dimension** (also BSOC 4966, MUSIC 4466, SOC 4970), 4 cr. W: 2:30-4:25. T. Pinch.]
- SUMMER**
- [ASRC 4606 **The Family and Society in Africa** (also SOC 4780), 4 cr. M: 10:10-12:35. N. Assie-Lumumba.]

## V. OTHER COURSES

### FALL AND SPRING

- BSOC 3751 **Independent Study**, 1-4 cr. *Must apply online at: [https://data.arts.cornell.edu/as-stus/indep\\_study\\_intro.cfm](https://data.arts.cornell.edu/as-stus/indep_study_intro.cfm)*. Enrollment limited to: biology and society majors. Staff.
- BSOC 4991/4992 **Honors Project (also STS/ HE 4991/4992)**, 8 cr. Full year course. **Application required.** Apply in 303 Morrill Hall. Mandatory biweekly meetings take place during the fall semester. Staff.