Biology and Society Major
2017-2018 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**

      **SPRING**

   B. INTRODUCTORY COURSE (Recommended but not a prerequisite. May not be used to fulfill a major requirement)
      
      **FALL**
      
      **SPRING**
      STS 1102 Histories of the Future (also HIST 1620), 4 cr. MW: 11:15-12:05 + sec. S. Seth.

   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**

      **SPRING**
      BSOC 2061 Ethics and the Environment, (also STS 2061, PHIL 2460), 4 cr. TR: 11:40-12:55 + 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. F. Dear.]
      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: 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. MWF 12:20-1:10. M. Rossiter.]

   * Indicates not prerequisite to any other course
### Area 3. Sociology of Science

**FALL**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Time and Location</th>
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</thead>
<tbody>
<tr>
<td>NS 2450</td>
<td>Social Science Perspectives on Food and Nutrition</td>
<td>TR 10:10-11:25, J. Sobal.</td>
</tr>
</tbody>
</table>

**SPRING**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Time and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSOC 2201</td>
<td>Society and Natural Resources</td>
<td>TR: 9:05-9:55, Discussion, R. Stedman.</td>
</tr>
<tr>
<td>BSOC 3111</td>
<td>Sociology of Medicine</td>
<td>Not open to freshmen. MW: 11:15-12:05, C. Leuenberger.</td>
</tr>
</tbody>
</table>
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.
- **[CRP 3800 Environmental Politics]**, 4 cr. MWF 11:15-12:05 + sec. R. Booth.

**SPRING**

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**
- **[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) 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.


[... Course not offered 2017-18

* Indicates not prerequisite to any other course


### 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. Forbid 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 3570, or CHEM 3590, or equivalents, or permission of instructor. Biological sciences majors must take course for a letter grade. Forbid 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 10:00am - 11:45am. Jun 26 - Aug 4, 2017. Blankenship, J

### 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.

**[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. Time: TBA. Staff.

### SPRING

**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. 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


### 4. Animal Behavior

### FALL

**BIONB 2210 Neurobiology and Behavior I: Introduction to Behavior**, 3 or 4 cr. (4 cr. with section) Prerequisite: two majors-level biology courses. MWF 12:20-1:10. M. Webster.

### SUMMER

**BIONB 2210 Neurobiology and Behavior I: Introduction to Behavior**, 3 or 4 cr. (4 cr. with section.) Prerequisite: two majors-level biology courses. Time: TBA. Staff.

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

[...] Course not offered 2017-18

* Indicates not prerequisite to any other course
BIOSM 3290 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. MTWRFSSu 8:15am - 9:00pmShoals Marine Lab. Jun 26 - Jul 10, 2017. Staff.

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 12 - Jul 23, 2017. Staff.

6. Anatomy and Physiology

FALL

BIOAP 3110 Principles of Animal Physiology (also VTBMS 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


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. 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. K. Cox.

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

PLPPM 4490 Mycology, 3 cr. Prerequisite: two semesters of General Biology. TR: 10:10-11 + Lab. 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.)

[....] Course not offered 2017-18

* Indicates not prerequisite to any other course
[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). D. Winkler.]


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. Staff.


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 29 - Jun 12, 2017. Staff.

BIOSM 3830 Field Marine Invertebrate Biology, 3 cr. Prerequisite: one semester of college biology. Offered in Maine at Shoals Marine Laboratory on Appledore Island. MTWRFSSu 8:20am - 9:30pm. May 29 - Jun 12, 2017. Staff.

8. Nutrition
FALL

WINTER

SPRING

SUMMER

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

[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.


MATH 1710 Statistical Theory and Application in the Real World, 4 cr. Prerequisite: high school mathematics. MWF: 12:20-1:10 + lab. Staff.

[... Course not offered 2017-18  
* Indicates not prerequisite to any other course]
III. CORE COURSES

**FALL**


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: 10:10-11:25. P. Dear.

**SPRING**


[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 2101 Plagues and People (also ENTOM 2100), 2-3 credits (BSOC Majors must take this for 3 credits). MW: 12:20-1:10 + sec. M. Caillaud.

[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.


[BME]  4110  Science and Technology Approaches to Problems in Human Health, 3 cr. Prerequisites: junior, senior, or graduate standing; sophomores by permission of instructor. N. Nishimura and M. Kaplitt.

DEA  3510  Ergonomics and Anthropometrics, 3 cr. TR 1:25-2:40. A. Hedge.


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. TR: 8:40-9:55. 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]  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.


NS  2750  Human Biology and Evolution (also ANTHR 2750), 3 cr. Prereq: College biology. MW 10:10-11:00 + sec. Z. Gu.


[NS]  3600  Epidemiology, 3 cr. This course replaces NS 3500. Prerequisite: STSCI 2150. TR: 10:10-11:25. J. Finkelstein.


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 (L: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. J. Schuade.


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.

[....] Course not offered 2017-18

* Indicates not prerequisite to any other course
<table>
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<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites / Notes</th>
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<tbody>
<tr>
<td>ANSC</td>
<td>Animal Reproduction and Development Lab</td>
<td>1 cr.</td>
<td>Prerequisite or co-requisite: ANSC 2400. Limited to: 30 students per laboratory. Letter grades only. T or W: 1:25-4:25. J. Giles.</td>
</tr>
<tr>
<td>ANTHR</td>
<td>Primate Behavior and Ecology with Emphasis on African Apes</td>
<td>4 cr.</td>
<td>Prerequisite: ANTHR 1300 or other coursework in evolutionary biology recommended. MWF: 12:20-1:10pm. A. Arcadi.</td>
</tr>
<tr>
<td>BEE</td>
<td>Sustainable Development</td>
<td>3 credits</td>
<td>Limited to: at least sophomore standing. Course is web based. See BEE Roster for info on first meeting date. T. Walter.</td>
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<tr>
<td>EAS</td>
<td>Biogeochemistry of the Hawaiian Islands</td>
<td>4 credits</td>
<td>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.</td>
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<tr>
<td>EAS</td>
<td>Conservation Oceanography</td>
<td>4 credits</td>
<td>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.</td>
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<tr>
<td>ENOM</td>
<td>Natural Enemies and Invasive Species</td>
<td>3 cr.</td>
<td>(Biology &amp; Society students must take 3-credit option). J. Nyrop.</td>
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<tr>
<td>HD</td>
<td>Affective and Social Neuroscience</td>
<td>3 cr.</td>
<td>Prereq: HD 2200/PSYCH 2230 or BIONB 2220. TR: 11:40-12:55. A. Anderson.</td>
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<tr>
<td>NS</td>
<td>Obesity and the Regulation of Body Weight</td>
<td>3 cr.</td>
<td>Enrollment limited to: junior or senior standing. Others by instructor permission only. Prerequisite: NS 1150, PSYCH 1101. D. Levitsky.</td>
</tr>
<tr>
<td>NS</td>
<td>Human Nutrition and Nutrient Metabolism</td>
<td>4 cr.</td>
<td>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.</td>
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<tr>
<td>NS</td>
<td>Biology of Normal and Abnormal Behavior</td>
<td>3 cr.</td>
<td>Juniors and seniors only. Prereq: BIOEE 1101-1102, PSYCH 1101, or permission of the instructor. MWF 9:05-9:55. B. Strupp.</td>
</tr>
<tr>
<td>NS</td>
<td>Molecular Epidemiology and Dietary Markers of Chronic Disease</td>
<td>3 cr.</td>
<td>TR: 3:35-4:50. Staff.</td>
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<tr>
<td>NS</td>
<td>Mechanisms Underlying Mammalian Developmental Defects</td>
<td>3 cr.</td>
<td>Prereq: CHEM 2070-2080 &amp; BIOBM 3300. May be used to fulfill the Biology Depth course requirement. Offered alternate years. MWF: 11:15-12:05. P. Stover, D. Noden.</td>
</tr>
<tr>
<td>NTRES</td>
<td>Principles and Practices of Applied Wildlife Science</td>
<td>3 credits</td>
<td>Prerequisite: NTRES 3100 or equivalent; permission of instructor required. Offered alternative years. TR: 10:10-11:25. P. Curtis.</td>
</tr>
<tr>
<td>SUMMER</td>
<td>Sustainable Development</td>
<td>3 credits</td>
<td>Limited to: at least sophomore standing. See BEE Roster for info on first meeting date. Course is web based. T. Walter.</td>
</tr>
<tr>
<td>BIOSM</td>
<td>Marine Environmental Science and Conservation</td>
<td>3 cr.</td>
<td>Prerequisite: one semester of college-level biology or equivalent. Shoals Marine Laboratory. For more info contact the School of Continuing Education and Summer Sessions. Time: TBA. Staff.</td>
</tr>
<tr>
<td>BIOSM</td>
<td>Underwater Research</td>
<td>3 cr.</td>
<td>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. Time: TBA. J. Coyer.</td>
</tr>
</tbody>
</table>

[...]: Course not offered 2017-18

* Indicates not prerequisite to any other course
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. Prerequisite: ECON 1110 or 1120 or permission of instructor. Preference given to AEM Majors. MW: 12:20-1:10. S. Kyle.

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


BSOC 2101 Plagues and People (also ENTOM 2100), 2-3 credits (BSOC Majors must take this for 3 credits). MW: 12:20-1:10 + sec. M. Caillaud.


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 3541 The Sociology of Contemporary Culture (also STS 3541, D SOC 3540, SOC 3520), 4 cr. C. Leuenberger.


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. 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. A. Basu.

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 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.


[...]. Course not offered 2017-18

* Indicates not prerequisite to any other course
<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Credits</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<td>[NS 3600]</td>
<td>Epidemiology</td>
<td>3</td>
<td>MWF</td>
<td>12:20-1:10</td>
<td>R. Avery</td>
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<td>NTRES 3330</td>
<td>Ways of Knowing: Indigenous &amp; Local Ecological Knowledge</td>
<td>3</td>
<td>MW</td>
<td>11:15-12</td>
<td>M. Waller</td>
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<td>[PAM 2300]</td>
<td>Introduction to Policy Analysis</td>
<td>4</td>
<td>MWF</td>
<td>12:20-1:10</td>
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<td>[PAM 3030]</td>
<td>Ecology and Epidemiology of Health</td>
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<td>[PAM 3280]</td>
<td>Fundamentals of Population Health</td>
<td>3</td>
<td>MWF</td>
<td>12:20-1:10</td>
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<td>[PAM 3350]</td>
<td>Families, Poverty &amp; Public Policy</td>
<td>3</td>
<td>MW</td>
<td>10:10-11:00</td>
<td>M. Waller</td>
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<td>[PAM 3370]</td>
<td>Race and Public Policy</td>
<td>3</td>
<td>MW</td>
<td>2:55-4:10</td>
<td>S. Sassler</td>
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<td>[PAM 4050]</td>
<td>Reproductive Health Policy</td>
<td>3</td>
<td>MWF</td>
<td>2:55-4:10</td>
<td>A. Parrot</td>
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<td>PSYCH 2750</td>
<td>Introduction to Personality</td>
<td>3</td>
<td>TR</td>
<td>2:55-4:10</td>
<td>V. Zayas</td>
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<td>STS 4240</td>
<td>Designing Technology for Social Impact</td>
<td>3</td>
<td>TR</td>
<td>1:25-2:40</td>
<td>P. Sengers</td>
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<td>[STS 4811]</td>
<td>Topics in the Philosophy of Science</td>
<td>4</td>
<td>W</td>
<td>7:30-9:55pm</td>
<td>R. Boyd</td>
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**SPRING**

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<th>Days</th>
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<td>S. Sangren</td>
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<td>BSOC 2350</td>
<td>Literature and Medicine: The Science and Fiction of Disease</td>
<td>4</td>
<td>MWF</td>
<td>1:25-2:15</td>
<td>E. Cohn</td>
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<tr>
<td>BSOC 2561</td>
<td>Medicine and Healing in China</td>
<td>4</td>
<td>TR</td>
<td>2:55-4:10</td>
<td>T. Hinrichs</td>
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<td>BSOC 2581</td>
<td>Environmental History</td>
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<td>TR</td>
<td>11:15-12:05</td>
<td>DIS. Staff</td>
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<td>BSOC 3231</td>
<td>Global Health Security and Diplomacy</td>
<td>4</td>
<td>TR</td>
<td>12:55-1:25</td>
<td>J. Rao</td>
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<td>[BSOC 3460]</td>
<td>Anthropology of the Body</td>
<td>4</td>
<td>TR</td>
<td>1:25-2:40</td>
<td>S. Langwick</td>
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<td>DSOC 2050</td>
<td>International Development</td>
<td>3-4</td>
<td>MW</td>
<td>10:10-11:00</td>
<td>P. McMichael</td>
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* Indicates not prerequisite to any other course

[... Course not offered 2017-18]
[DSOC] 4210  *Theories of Reproduction* (also SOC), 4 cr. A. Basu.


[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.


[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] 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. D. Levitsky.


[PAM] 3030  *Ecology and Epidemiology of Health*  3 cr. Staff.


[SOC] 3400  *Health, Behavior, and Health Policy*  4 cr. Staff.

**SUMMER**


[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**


[BSOC] 4131  *Comparative Environmental History* (also STS/HIST 4131), 4 cr. W: 12:20-2:15. S. Pritchard.


[BSOC] 4291  *Politics of Science*, (also GOVT 4291/STS 4291), 4 cr. Govt juniors/seniors given preference. R. Herring.

[...]* Course not offered 2017-18

* Indicates not prerequisite to any other course
BSOC 4691 Food, Agriculture, and Society (also STS 4691, BIOEE 4690), 3 cr. T: 2:55-4:10. 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.]


[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 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 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 4321 Lives of Scientists and Engineers, 4 cr. T: 12:20-2:15. M. Rossiter.]


[STS 4411 Philosophy of Medicine (also BSOC 4411/PHIL 2961) 4 cr. W: 10:10-12:05. Staff.]

[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


[BSOC 4021 Bodies in Medicine, Science, and Technology (also STS/FGSS 4021), 4 cr. W: 10:10-12:05. R. Prentice.]

[....] Course not offered 2017-18

* Indicates not prerequisite to any other course

[BSOC 4311 From Surgery to Simulation (also ANTHR/STS 4311), 4 cr. T: 10:10-12:05. R. Prentice.]


[ENGL 4212 Literature and the Scientific Revolution in England (also BSOC 4212) 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) 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 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: 500-7:30 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.]


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 4281 Anticipation: Living in the Future (also SHUM 4281), 4 cr. R: 12:20-2:15. V. Choi.]

STS 4301 Social Studies of Space, Technologies and Borders (also DSOC 4301/GOVT 4807), 4 cr. W: 2:30-4:25. C. Leuenberger.

[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. 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. 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.