### Program in the Environment Fall 2016 Course Offerings

#### Introductory Interdisciplinary Courses

**Environment Majors and Minors:**

- **^ENVIRON 101/BIOLOGY 101** Energy, Food and Environment (4)
- **#ENV/BIO 110/AOSS/ EARTH 171** GC I: The Science Behind Sustain (4)
- **ENVIRON 139 FYS:** Footprints Across Time (3)
- **^ENVIRON 139 FYS:** Taming Nature Domestication and Conservation (3)
- **ENVIRON 139 FYS:** Exploring the Food System (3)
- ENVIRON 139 FYS: Environment Messaging in an Election Year (3)
- **^ENVIRON 201** Ecological Issues (4)
- **^ENVIRON 270** Our Common Future (4)

**Introductory Interdisciplinary Courses Cont’d**

- **^ENVIRON 101/BIOLOGY 101** Energy, Food and Environment (4)
- **#ENV/BIO 110/AOSS/ EARTH 171** GC I: The Science Behind Sustain (4)
- **ENVIRON 139 FYS:** Footprints Across Time (3)
- **^ENVIRON 139 FYS:** Taming Nature Domestication and Conservation (3)
- **ENVIRON 139 FYS:** Exploring the Food System (3)
- ENVIRON 139 FYS: Environment Messaging in an Election Year (3)
- **^ENVIRON 201** Ecological Issues (4)
- **^ENVIRON 270** Our Common Future (4)

#### Environment Social Science Courses

**^ENVIRON 207** Sustainability and Society (3)
- **ENVIRON 211** Social Sciences and Environmental Problems (4)
- **^ENVIRON 222** Intro to Environmental Justice (3)
- **^ENVIRON 224** Global Nuclear Proliferation (4)
- **ENVIRON 242.001** 2.5 Million Years of Human Foods and Foodways (3)
- **^ENVIRON/CMPLXYS 250** Social Systems, Energy, and Public Policy (3)
- **ENVIRON 270** Our Common Future (4)
- ENVIRON 290 Food: Ecology, Econ and Ethics of Growing and Eating (3)
- **ENVIRON 302.001** Human Adaptations to Climate and Climate Change (3)
- **ENVIRON 302.002** Natural Resource Law Policy (3)
- **ENVIRON 302.003** The Measure of our Meals (3)
- **ENVIRON 302.004** Prescription Nature (3)
- **^ENVIRON 302.005/POLSCI 336** Energy Politics (3) ULWR
- **^ENVIRON 306** Global Water (3)
- **ENVIRON 308** Sustainability and Health (3)
- **^ENVIRON 312/POLSCI 380** Environmental Politics and Policy (3)
- **ENVIRON 335/AAS 322** Intro Env Politics: Race, Class & Gender (4) RE
- **ENVIRON 345/SOC 380** Environmental Public Opinion Analysis (3)
- **ENVIRON 360/PSYCH 384** Behavior and Environment (3)
- **ENVIRON 370/.UP 423** Intro to Urban and Environmental Planning (3)
- **ENVIRON 375/ECON 370** Environmental and Resource Economics (3)
- **ENVIRON 385** Environmental History of China (4)
- **ENVIRON 405** Urban Sprawl: Policy and Politics (3)
- **^ENVIRON 408** Land Use Policy, Law and the Environment (3)
- **^ENVIRON 412** Environmental Values in Public Policy (3)
- **ENVIRON/COMM 413** Environmental Communication (3)
- **ENVIRON 462.001/UP 402** Foundations of Sustainable Food Systems (3)
- **ENVIRON 462.002** Localization: Transitional Thinking (1.5)
- **ENVIRON 462.003** Fossil Fuel: Culture, Power, Phase-out (2)
- **ENVIRON 462.004** Psychology of Climate Change (3)
- **^ANTHRRCUL 254.001** Anthropology of Food (4)
- **CMPLXSYS 391** Introduction to Modeling Political Process (4)
- **EHS 500** Introduction to Environmental Health Science (3)

**Environment Social Science Courses Cont’d**

- **EHS 570** Water Quality Management (3)
- **EHS 614** Water and Global Health (2)
- **HISTORY 384** Environmental History of China (4)
- **^HMP 200/PUBPOL 210** Health and Society: Intro to Public Health (4) RE
- **PUBPOL 201** Systematic Thinking About the Problems of the Day (4)
- **^PUBHLTH 350** Global Public Health (4)
- **RCCORE 334** Environmental Justice: Organizing Detroit (3)
- **^STRATEGY 411** The Corporation and Society (3)
- **^UC 254.001** Obesity: Science, Cult, and Politics of Fatness in America (3)

**Environment Social Science Courses Cont’d**

- **ENVIRON 236** Environment and History in Preindustrial Europe (3)
- **ENVIRON/PHIL 240** Environmental Ethics: Philosophical Underpinnings (3)
- **^ENVIRON 270** Our Common Future (4)
- **ENVIRON 302.001** Human Adapt to Climate and Climate Change (3)
- **ENVIRON 304.001/ENGL 320** Ecocriticism (3)
- **ENVIRON 304.002** Environmental History in the U.S. (4)
- **ENVIRON 304.006** Writing and Environment (3)
- **ENVIRON 320** Environmental Journalism (3) ULWR
- **ENVIRON 335/AAS 322** Intro Env Politics: Race, Class & Gender (4) RE
- **ENVIRON/RCHUMS 337** Children Under Fire, Narratives of Sustainability (3)
- **ENVIRON 370** Intro to Urban and Environmental Planning (3)
- **ENVIRON 377/ENGL 320** Southern Natures: Race and Environ in the US South (3)
- **ENVIRON 390** Environmental Activism Citizenship in a Republic (3)
- **ENVIRON 462.001** Foundations of Sustainable Food Systems (3)
- **ENVIRON 462.002** Localization: Transitional Thinking (1.5)
- **AAS 359** African Politics (3)
- **AMCULT 217** Introduction to Native American Studies (3)
- **AMCULT/HISTORY 284** Sickness & Health (4)
- **^ANTHRARC 296.001** Local Food Producers (3)
- **ANTHRBIO 201** Intro to Biological Anthro (4)
- **ANTHRBIO 368** Primate Social Behavior (4)
- **ANTHRBIO 373** Humans and Environmental Change (3)
- **^ANTHRRCUL 254.001** Anthropology of Food (4)
- **ARCH 209/RCHUMS 334** Experiencing Architecture (3)
- **ARCH/HISTART 212** Understanding Architecture (3)
- **^ARCH/UP 357** Architecture, Sustainability and the City (3)
- **ENGLISH 328** Writing and the Environment (3) ULWR
- **HF/MOVESCI 241** Exercise, Nutrition and Weight Control (3)
- **PHIL 355** Contemporary Moral Problems (4)
- **^UC 254.001** Obesity: The Science, Cult, and Politics of Fatness in America (3)

**Culture and Environment Courses**

- **AMCULT 217** Introduction to Native American Studies (3)
- **AMCULT/HISTORY 284** Sickness & Health (4)
- **^ANTHRARC 296.001** Local Food Producers (3)
- **ANTHRBIO 201** Intro to Biological Anthro (4)
- **ANTHRBIO 368** Primate Social Behavior (4)
- **ANTHRBIO 373** Humans and Environmental Change (3)
- **^ANTHRRCUL 254.001** Anthropology of Food (4)
- **ARCH 209/RCHUMS 334** Experiencing Architecture (3)
- **ARCH/HISTART 212** Understanding Architecture (3)
- **^ARCH/UP 357** Architecture, Sustainability and the City (3)
- **ENGLISH 328** Writing and the Environment (3) ULWR
- **HF/MOVESCI 241** Exercise, Nutrition and Weight Control (3)
- **PHIL 355** Contemporary Moral Problems (4)
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# Program in the Environment Fall 2016 Course Offerings

## Natural and Earth Systems Science

*Any natural science course 200 level or above from departments including AOSS, Biology, Chemistry, CEE, EEB, Environ, Earth, NRE, and etc.*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVIRON 206 / EARTH 206</td>
<td>Environment and the Water Cycle (2)</td>
</tr>
<tr>
<td>ENVIRON 209 / EARTH 201</td>
<td>Intro to Environ Science and Geography (4)</td>
</tr>
<tr>
<td>ENVIRON 232</td>
<td>Introductory Oceanography (3)</td>
</tr>
<tr>
<td>ENVIRON 243</td>
<td>Plants and People (3)</td>
</tr>
<tr>
<td>ENVIRON 259</td>
<td>Earth’s Future and a Resilient Human Society (4)</td>
</tr>
<tr>
<td>ENVIRON 309</td>
<td>GIS Explorations (3)</td>
</tr>
<tr>
<td>ENVIRON 317</td>
<td>Conservation of Biological Diversity (3)</td>
</tr>
<tr>
<td>ENVIRON/EARTH 380</td>
<td>Mineral Resources, Economics and Environment (4)</td>
</tr>
<tr>
<td>ENVIRON 415 / EEB 424</td>
<td>Behavior Ecology and Conservation Biology (4)</td>
</tr>
<tr>
<td>ENVIRON 426</td>
<td>Introduction of Physical Oceanography (3)</td>
</tr>
<tr>
<td>ENVIRON/EARTH 421</td>
<td>Restoration Ecology (4)</td>
</tr>
<tr>
<td>ENVIRON/EARTH 478</td>
<td>Geochemistry of Natural Waters (4)</td>
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<tr>
<td>EEE 380</td>
<td>Oceanography: Marine Ecology (3)</td>
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<tr>
<td>EEB 483</td>
<td>Freshwater Ecosystems: Limnology (4)</td>
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<tr>
<td>EEB 498</td>
<td>Agroecosystems (3)</td>
</tr>
<tr>
<td>HF/MOVESCI 241</td>
<td>Exercise, Nutrition and Weight Control (3)</td>
</tr>
<tr>
<td>RCNSCI 419 / NRE 574</td>
<td>Sustainable Energy Systems *SENIORS with permission (3)</td>
</tr>
<tr>
<td>PHYSICS 210</td>
<td>Energy for our Future (3)</td>
</tr>
<tr>
<td>ENGLISH 328</td>
<td>Writing and the Environment (3)</td>
</tr>
</tbody>
</table>

Courses with * can be used as a Sustainability minor requirement. Courses with ^ can be used as a Food Systems minor requirement. Courses with # can be used as a Water minor requirement.

## Upper-Level Writing Courses

*ENVIRON 302.005 / POLSCI 336 | Energy Politics (3) |
*ENVIRON 304.001 | Ecocriticism (3) |
*ENVIRON 304.006 | Writing and Environment |
ENVIRON 320 | Environmental Journalism (3) |
ENVIRON/EEB 372 | Ecology Lab (3) |
*ENVIRON/EARTH 380 | Mineral Resources, Economics and Environment (4) |
ENGLISH 328 | Writing and the Environment (3) |

## Senior Capstone Courses

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ENVIRON 306</td>
<td>Global Water (3)</td>
</tr>
<tr>
<td>ENVIRON 308</td>
<td>Sustainability and Health (3)</td>
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<tr>
<td>ENVIRON 309</td>
<td>GIS Explorations (3)</td>
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<tr>
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<td>Environmental Journalism (3) ULWR</td>
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<tr>
<td>ENVIRON 370</td>
<td>Intro to Urban Planning and Environment (3)</td>
</tr>
<tr>
<td>ENVIRON/EARTH 380</td>
<td>Mineral Resources, Econ and the Environment (4) ULWR</td>
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<tr>
<td>ENVIRON 405</td>
<td>Urban Sprawl: Policy and Politics (3)</td>
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<tr>
<td>ENVIRON 408</td>
<td>Land Use Policy, Law and the Environment (3)</td>
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<tr>
<td>ENVIRON 418</td>
<td>Leadership and Environmental Stewardship (3)</td>
</tr>
</tbody>
</table>

## Energy Minor Specific

*CEE 230 | Thermodynamics and the Environment (3) |
*CEE 565 | Seminars on Energy Systems, Technology and Policy (3) |
*CHE 230 | Material and Energy Balances (4) |
*CHEM 260 | Chemical Principles (3) |
*EECS 498 | Intro to Social and Technological Networks (3) |
*EECS 598.002 | Hybrid Systems: Specification, Verification and Control (3) |
*MECHENG 433 | Advanced Energy Solutions (3) |
*MECHENG 438 | Internal Combustion Engines (4) |
*PHYSICS 406 | Statistical and Thermal Physics (3) |
*PUBPOL 519 | Sustainable Energy Systems (3) *SENIORS with permission |
*HISTORY 241 | America and Middle East Wars (4) SS |

## Food and Environment Minor Specific

*BIOLOGY 105 | Biology of Nutrition (4) |
*BIOLOGY 154 | Ocean Resources (3) |
 ENVIRON 139 FYS: Exploring the Food System (3) |
 ENVIRON 139 FYS: Taming Nature Domestication and Conservation (3) |

## Analytics Course

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<th>Course Code</th>
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<tbody>
<tr>
<td>STATS 250</td>
<td>Introduction to Statistics and Data Analysis (4)</td>
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</table>
SOC 210 | Elementary Statistics (4) |

## Upper-Level Writing Courses

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<tbody>
<tr>
<td>ENVIRON 302.005</td>
<td>Energy Politics (3)</td>
</tr>
</tbody>
</table>
*ENVIRON 304.001 | Ecocriticism (3) |
*ENVIRON 304.006 | Writing and Environment |
ENVIRON 320 | Environmental Journalism (3) |
ENVIRON/EEB 372 | Ecology Lab (3) |
*ENVIRON/EARTH 380 | Mineral Resources, Economics and Environment (4) |
ENGLISH 328 | Writing and the Environment (3) |

Courses with * can be used as a Sustainability minor requirement. Courses with ^ can be used as a Food Systems minor requirement. Courses with # can be used as a Water minor requirement.

**ENVIRON/EARTH 372 Ecology Lab only offered in Fall terms**