Environmental Policy and Governance Concentration (EPG)

ESS students with a concentration in Environmental Policy and Governance will study the design, construction, implementation and evaluation of environmental policy and management. The course requirements include a balance of disciplinary foundational courses in the environmental social sciences, and opportunities for students to pursue their passion.

**Learning Goals:** Students will gain an understanding of the mechanisms, strategies and constraints to securing social and ecological well-being through conservation of ecosystems at scales from local to global. Building on students’ knowledge of natural resources, social and environmental sciences, and strengthening their knowledge in the social sciences, the concentration emphasizes critical reasoning, communication skills and capacity to integrate narrative, statistical and technical information. These skills will allow students to work with government agencies, commercial firms and civil society organizations and to address cross-cutting contemporary debates regarding conservation and the role of environment in politics, economic development and security.

**Course Requirements:** Seven courses beyond the ESS core requirements.

**Required**
- CRP/NTRES 4440: Resource Management and Environmental Law (S)
- DSOC/SOC 3240, STS 3241: Environmental Sociology (S)
- NTRES/BSOC/DSOC/STS 3311: Environmental Governance (F)
- NTRES 4300: Environmental Policy Processes (S)

**1 additional** Humanities course
Students should select one course not taken for the core requirements.
- ANTHR/AIIS/BSOC 2420: Nature/Culture: Ethnographic Approaches to Human-Environment Relations (F)
- BSOC 2061/STS 2061/PHIL 2460: Ethics and the Environment* (S)
- HIST 2518: Environmental History (S)
- NTRES 3320: Introduction to Ethics and Environment* (F)

**1 Methods/Tools course**
- DSOC 3130: Social Indicators and introduction to Social Science Research (F)
- DSOC 3140: Spatial thinking, GIS and related methods (F)
- CRP 4080: Introduction to Geographic Information Systems (GIS) (F, S)
- NTRES 4600: Planning for Environmental Conservation and Sustainability* (F)
- PLSCS 2200: Introduction to Mapping and Spatial Analysis with GIS (F)
- PLSCS 4200: Geographic Information Systems (GIS): Concepts and Application (S)

**1 additional** Environmental Social Sciences and Humanities course: Choose from list below.

**Environmental Social Sciences and Humanities**
- AEM 2000: Contemporary Controversies in the Global Economy (F, S)
- AEM 3380: Social Entrepreneurs, Innovators, and Problem Solvers (F, Su)
- AEM/NS 4450*: Toward a Sustainable Global Food System: Food Policy for Developing Countries* (SBA) (F)
- AEM 4500*: Resource Economics* (SBA) (S)
- AEM 4510*: Environmental Economics* (SBA) (S)
- AIIS/ANTHR 3422*: Culture, Politics, and Environment in the Circumpolar North* (CA, D)
AMST/BSOC/HIST 2581* Environmental History* (HA) (S)
ANTHR/AIIS/BSOC 2420 Nature/Culture: The Politics of Human-Environment Relations
ANTHR 4410* Indigenous Peoples, Ecological Sciences, and Environmentalism* (CA) (F)
AMST/BSOC/HIST/STS 3181* Living in an Uncertain World: Science, Technology, and Risk* (HA) (F or S)
AMST/BSOC/HIST/STS 4131* Comparative Environmental History* (HA) (F or S)
CEE/TOX 5970 Risk Analysis and Management (S)
COML 6185 Introduction to Systems Theory (F or S)
COMM 2850/STS 2851* Communication, Environment, Science and Health (SBA) (S)
COMM 3080 Communication (S)
COMM 3210* Communication and the Environment* (SBA) (F) (offered odd years)
COMM 4560* Community Involvement in Decision Making* (SBA) (F) (offered even years)
COMM/STS 4660* Public Communication of Science and Technology* (SBA) (S)
COMM 4860* Risk Communication* (SBA) (F)
CRP 3840 Green Cities (F)
CRP 4080 Introduction to Geographic Information Systems (GIS) (F, S)
CRP 5080 Introduction to Geographic Information Systems (GIS) for Planners (F, S)
CRP 5460 Introduction to Community and Environment Dispute Resolution (F, S)
DEA/PSYCH/COGSCI/1500* Introduction to Environmental Psychology* (D) (S, Su)
DEA 4220/ARCH 4601 Ecological Literacy and Design (F)
DEA 6610 Environments and Health (S, alternate years)
DSOC 2010/SOC 2202* Population Dynamics* (SBA) (F)
DSOC 2030 Global Garbage (F)
DSOC 2050* International Development* (D, HA, SBA) (S)
DSOC 3010* Theories of Society and Development* (KCM, SBA) (F)
DSOC 3140 Spatial Thinking, GIS, and Related Methods (F)
DSOC 3200 Rethinking Global Development: New Frameworks for Understanding Poverty, Inequality and Growth in 21C (F, next offered 2019-2020)
DSOC /SOC/STS 3240* Environmental Sociology* (SBA) (S)
DSOC 3400 Agriculture, Food, Sustainability and Social Justice (D, KCM, SBA) (F)
DSOC 4380 Population and Development (S)
IARD/DSOC 1100 Perspectives on International Agriculture and Rural Development (F)
NTRES 2320* Nature and Culture* (CA, HA) (S)
NTRES/BSOC/DSOC/STS 3311* Environmental Governance* (SBA) (F)
NTRES/AIIS/AMST 3330* Ways of Knowing: Indigenous and Local Ecological Knowledge* (CA, D, KCM, SBA) (F)
NTRES 4300 Environmental Policy Processes (S)
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<tr>
<th>Course Code</th>
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<tr>
<td>NTRES 4320*</td>
<td>Human Dimensions of Coupled Social-Ecological Systems* (SBA) (S, alternate years)</td>
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<tr>
<td>NTRES 4330*</td>
<td>Applied Environmental Philosophy* (KCM) (S, alternate years)</td>
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<tr>
<td>NTRES/CRP 4440</td>
<td>Resource Management and Environmental Law (S)</td>
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<tr>
<td>NTRES 4600*</td>
<td>Planning for Environmental Conservation and Sustainability* (SBA) (F)</td>
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<tr>
<td>NTRES/FDSC/IARD 4800</td>
<td>Global Seminar: Building Sustainable Environments and Secure Food Systems for Modern World (S)</td>
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<tr>
<td>PLHRT 3600</td>
<td>Climate Change and the Future of Food (F)</td>
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*Course meets a CALS distribution requirement for CA, SBA, KCM, HA, or D category.