

# Environmental Studies (ENST)

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## Environmental Studies (ENST) Courses

### ENST 1001 [1.0 credit]

#### Introduction to Environmental Studies

Sustainability requires broadened perspectives on the Earth's natural systems. Geographic and geomatics perspectives help us examine physical and biological environments as the basis of human societies. Includes: landscape interpretation, resources, hazards, inferring meaning from data, and predicting potential impacts of/on human actions.

Precludes additional credit for FYSM 1100.

Lecture two hours and workshops/tutorials two hours weekly.

### ENST 1020 [0.5 credit]

#### People, Places and Environments

Introduction to human geography. Examination of relationships between people, communities, society and the natural environment at local to global scales. Population change, cultural patterns, and historical, economic, political and environmental forces that shape human activity and experiences from place to place. Also listed as GEOG 1020.

Lectures two hours a week and tutorial one hour a week.

### ENST 2000 [0.5 credit]

#### Nature, Environment and Society: Theoretical Perspectives

Examination of the shifting understandings of nature, the environment, and nature-society relations. Topics include nature as a concept, people's relationships to the environment across the globe, environmental movements and institutions, narratives of environmental change, and political ecology approaches to understanding and combating environmental degradation.

Prerequisite(s): second-year standing in the Environmental Studies program or permission of the Department.

Lecture two hours a week, discussion one hour a week.

### ENST 2001 [0.5 credit]

#### Sustainable Futures: Environmental Challenges and Solutions

Individual and collective responses to pressing environmental problems. Innovative ways in which the environment can be protected and restored, taking into consideration socioeconomic, political and cultural factors. Topics include environmental lifestyles, sustainable communities, food systems, environmental design, and political activism.

Prerequisite(s): second-year standing in the Environmental Studies program or permission of the Department.

Lectures, seminars and field work three hours a week.

### ENST 2005 [0.5 credit]

#### Introduction to Qualitative Research

Introduction to the research process, from generating questions through to reporting results. Topics include intensive and extensive research approaches; the use of surveys, interviews and other data collection methods; the analysis of qualitative information; and the ethical dimensions of doing research with people and communities.

Also listed as GEOG 2005.

Prerequisite(s): 1.0 credit in GEOG or ENST at the 1000-level and second-year standing, or permission of the Department.

Lectures two hours a week, workshop two hours a week.

### ENST 2006 [0.5 credit]

#### Introduction to Quantitative Research

Introduction to solving problems using descriptive and inferential statistical methods. Graphical and numerical tools to describe distributions. Probability, sampling and estimates, and hypothesis testing. Fundamentals of spatial statistics and analysis.

Also listed as GEOG 2006.

Precludes additional credit for BIT 2000, BIT 2100 (no longer offered), BIT 2300 (no longer offered), NEUR 2002, PSCI 2702, STAT 2507, STAT 2606.

Lectures two hours a week, laboratory two hours a week.

### ENST 2500 [0.5 credit]

#### Climate Change: Social Science Perspectives

An introduction to climate change, with an emphasis on human dimensions. Topics include anthropogenic greenhouse gas emissions, regional variations in climate change and their consequences, human vulnerability and adaptation to environmental change, and climate change politics and policies at a variety of geographic scales. Also listed as GEOG 2500.

Prerequisite(s): ENST 1020 or GEOG 1020, or second-year standing.

Lectures three hours a week.

### ENST 3000 [0.5 credit]

#### Environmental Studies Colloquium

Interactions among complex natural systems, social values and attitudes and economic, political and legal concerns are explored through invited speakers from various disciplines and agencies addressing specific environmental issues.

Prerequisite(s): third-year standing in Environmental Studies or permission of Environmental Studies.

Lecture and discussion three hours a week.

**ENST 3022 [0.5 credit]****Environmental and Natural Resources**

Exploration of complexity, dynamics, uncertainty and equity issues underpinning environmental and resource issues; review and appraisal of selected contemporary methods to assess and manage environmental and natural resources.

Also listed as GEOG 3022.

Prerequisite(s): third-year standing in Geography or Environmental Studies or permission of the Department. Lecture three hours a week.

**ENST 3900 [0.5 credit]****Honours Field Course**

Field research, with a focus on data collection methods, analysis and presentation of findings. Design and conduct research that links the human and biophysical environment. Topics may change from year to year.

Also listed as GEOG 3000.

Precludes additional credit for ENST 2900 (no longer offered).

Prerequisite(s): GEOG 2005/ ENST 2005 and GEOG 2006/ ENST 2006, third-year Honours standing in Environmental Studies, Geomatics, or Geography, or permission of the Department.

Normally consists of a multi-day field excursion in the Ottawa region. A supplementary charge may apply. Consult the department regarding course details.

**ENST 3999 [0.0 credit]****Co-operative Work Term**

Work Term

**ENST 4000 [0.5 credit]****Environmental Studies Seminar**

How societal institutions respond to environmental concerns, how various stakeholders understand the environment and how environmental priorities may be implemented in social, political and economic decision-making. Interdisciplinary case studies are used.

Prerequisite(s): registration is restricted to students eligible for fourth-year standing in the B.A. (Environmental Studies) Honours program.

Seminar three hours per week.

**ENST 4001 [0.5 credit]****Environmental Studies Practicum I**

External agency setting provides the basis for translating academic training into practical involvement with environmental issues. Observation and involvement in issues and research methods used by professional environmental practitioners.

Prerequisite(s): registration is restricted to students eligible for fourth-year standing in the B.A. (Environmental Studies) Honours program, and permission of the Environmental Studies Co-ordinator.

**ENST 4002 [0.5 credit]****Environmental Studies Practicum II**

External agency setting provides the basis for translating academic training into practical involvement with environmental issues. Observation and involvement in issues and research methods used by environmental practitioners.

Prerequisite(s): restricted to students in the fourth year of the Environmental Studies Honours program, and permission of the Environmental Studies Co-ordinator.

**ENST 4005 [0.5 credit]****Directed Studies in Environmental Studies**

Students pursue their interest in a selected theme in environmental studies on a tutorial basis with a faculty member.

Prerequisite(s): permission of the Department. Hours to be arranged.

**ENST 4006 [0.5 credit]****Environmental Policy Analysis**

Critical examination of the creation, implementation and effectiveness of government policies related to environmental issues. Emphasis on perspectives, actors, institutions and social and economic relationships affecting policy responses to these issues, and on tools for analyzing the implications of specific policy choices.

Prerequisite(s): fourth-year Honours standing in Environmental Studies, Geography, or permission of the Department.

Seminar three hours per week.

**ENST 4400 [0.5 credit]****Field Studies**

Field observation and methodology in a selected region, special topic or contemporary problem; on an individual or group basis.

Also listed as GEOG 4000.

Prerequisite(s): third-year Honours standing and permission of the Department.

Hours to be arranged.

**ENST 4906 [1.0 credit]****Honours Research Project**

An independent investigation into a select aspect of environmental studies, supervised by a faculty member. Possible outcomes might include: workshops, audio-visual productions, lay publications, and field projects accompanied by an essay demonstrating the student's capacity to critically reflect on the research project.

Precludes additional credit for GEOG 4904/GEOM 4904 (no longer offered), GEOG 4909, GEOM 4909, GEOG 4906, GEOM 4906, and ENST 4907.

Prerequisite(s): fourth-year Honours standing in Environmental Studies, a minimum CGPA of 9.00 in the major or permission of the Department, and an approved research topic and adviser.

Hours to be arranged with faculty adviser.

**ENST 4907 [1.0 credit]****Honours Research Essay**

Interdisciplinary research essay on an environmental issue, carried out in consultation with a faculty supervisor. The student must consult with the undergraduate student advisor in selecting a project and a supervisor.

Precludes additional credit for ENST 4906, GEOG 4909, GEOM 4909, GEOG 4904/GEOM 4904 (no longer offered), GEOG 4906 and GEOM 4906.

Prerequisite(s): fourth-year Honours standing in Environmental Studies, a minimum CGPA of 9.00 in the major or permission of the Department, and an approved research topic and adviser.

Hours to be arranged with faculty adviser.

**Summer session:** some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at [central.carleton.ca](http://central.carleton.ca)

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at [central.carleton.ca](http://central.carleton.ca)