

# Environmental Studies (EVST)

## Courses

### EVST 001 Introduction to Environmental Studies 4 Credits

This course surveys the dominant environmental issues confronting humanity and the natural world on a local, national, and global basis with an emphasis on critical thinking skills. Topics include humankind's role in environmental change; cultural perceptions and economic valuation of nature; resource availability and social equity; sustainability and consumerism; environmental justice and ethics; and environmental regulation, law, policy and planning. This course fulfills a social science credit requirement. Please select ES 002 to fulfill the natural science requirement.

**Attribute/Distribution:** SS

### EVST 002 (EES 002) Introduction to Environmental Science 3 Credits

Focuses on natural and human-induced drivers and consequences of environmental change. Exploring options for mitigating and adapting to environmental change in ecosystems, physical and social systems, the course examines such topics as biogeochemical cycles, population pressure, ecosystem diversity, productivity and food security, energy, water resources, climate change, pollution, ozone, urban issues and sustainability. Stresses interactions using case studies. Intended for any student with an interest in the environment. May be combined with EES 022 or EES 004 for 4 credits.

**Attribute/Distribution:** NS

### EVST 004 (EES 004) The Science of Environmental Issues 1 Credit

Analysis of current environmental issues from a scientific perspective. The focus on the course will be weekly discussions based on assigned readings. May be combined with other EES 3 credit courses for 4 credits.

**Attribute/Distribution:** NS

### EVST 104 Political and Environmental Geography 4 Credits

Geographical foundations of political phenomena and human impacts on the environment. Global focus on geographic influences on growth and development of states and empires, the nature and impact of borders, how people have altered pattern of climate, hydrology, land forms soils, and biota.

**Attribute/Distribution:** SS

### EVST 105 (POLS 105) US Environmental Policy and Law 4 Credits

Analysis of the framework that has been established to protect the environment and promote sustainable growth. Focus on the roles of the different branches of the U.S. government and the relative responsibilities of state and local governments within this framework. Consideration of the political nature of environmental issues and the social forces influencing environmental protection in different areas of domestic environmental policy, such as climate change, toxic waste disposal, and natural resources conservation.

**Attribute/Distribution:** SS

### EVST 106 (POLS 106) Environmental Values and Ethics 4 Credits

An introduction to the ethical perspectives and values that shape human relationships to the natural environment in contemporary society. What are the moral implications of these relationships for justice and human collective action? Given these implications, what policy responses to environmental problems are morally or politically justifiable? In answering these questions, the course explores ethical ideas developed in different schools of environmental thought, such as deep ecology and ecofeminism, in addition to ideas that emerge from social movements, such as.

**Attribute/Distribution:** SS

### EVST 107 (POLS 107) The Politics of the Environment 4 Credits

A survey of the major environmental, resource, energy and population problems of modern society, focusing on the United States. The politics of man's relationship with nature, the political problems of ecological scarcity and public goods, and the response of the American political system to environmental issues.

**Attribute/Distribution:** SS

### EVST 110 (ES 110, HMS 110, POLS 110) Environmental Planning for Healthy Cities 4 Credits

An introduction to the topic of environmental planning, the course will review the roles of citizens, other stakeholders, political interests, and local governments in determining the use of land; unpack the meaning of "sustainability;" and grapple with the challenge of balancing communities' demand for development with the need to protect valuable natural resources. Students will be introduced to examples of successful and unsuccessful instances of environmental planning both at home and abroad.

**Attribute/Distribution:** SS

### EVST 119 (ETH 119, PHIL 119) Environmental Ethics 4 Credits

Evaluates the ethical and moral dimensions of humanity's relationship to nature as well as our individual and collective moral duties to confront urgent environmental challenges. Topics may include the intersection of climate and social justice; responsibilities to future generations, distant others, and nonhuman animals; the limitations of traditional ethical, political, and economic frameworks for accommodating our obligations and commitments to justice; and possible legal and public policy responses.

**Attribute/Distribution:** HU

### EVST 121 (ANTH 121) Environment and Culture 4 Credits

Impact of environment upon cultural variability and change. Comparative study of modern and past cultures and their environments as well as current theories of human/ environmental interaction.

**Attribute/Distribution:** SS

### EVST 123 Sustainability in Action I 1-4 Credits

First semester of a full year of experiential learning about sustainability in both theory and practice that examines political, economic and social effects of changing earth systems through global, national and local lenses. Topics include natural resource consumption, wealth inequality, and uneven globalization. Students create and implement initiatives in the Lehigh and broader communities intended to create a more sustainable and just world. Offered in coordination with the Campus Eco-Reps program. Instructor permission required.

**Repeat Status:** Course may be repeated.

### EVST 124 Sustainability in Action II 1-4 Credits

Continuation of EVST 123 for a full year of experiential learning about sustainability in both theory and practice that examines political, economic and social effects of changing earth systems through global, national and local lenses. Topics include natural resource consumption, wealth inequality, and uneven globalization. Students create and implement initiatives in the Lehigh and broader communities intended to create a more sustainable and just world. Offered in coordination with the Campus Eco-Reps program. Instructor permission required.

**Repeat Status:** Course may be repeated.

### EVST 125 (JOUR 125) Environment, the Public and the Mass Media 4 Credits

Extensive exploration of local, national and international environmental problems and their social, political and economic impacts. Analysis of mass media coverage of complex environmental issues and the media's effects on public opinion and government environmental policies. Examination of environmental journalism principles and practices in the United States and around the world.

**Attribute/Distribution:** SS

### EVST 127 Urban Permaculture 1-4 Credits

Students combine social, political, economic, engineering, and ecological modes of thinking in the design, construction, and evaluation of permaculture food gardens to serve as living laboratories and interactive classrooms to teach about sustainable urban living. Open to students from any major and college. Instructor permission required.

**Attribute/Distribution:** SS

**EVST 170 Special Topics 1-4 Credits**

Intensive, research-oriented study of a subject or issue in Environmental Studies not covered in other courses. For students of demonstrated ability and adequate preparation. Consent of program director required.

**Repeat Status:** Course may be repeated.

**Attribute/Distribution:** HU, SS

**EVST 181 Independent Study 1-4 Credits**

This course can be 1) directed readings on an environmental topic, 2) environmental research involving primary data collection and analysis, or 3) a project-based experience that puts students' understanding of environmental justice, environmental health, or environmental planning into practice. Consent of program director required.

**Repeat Status:** Course may be repeated.

**Attribute/Distribution:** HU, SS

**EVST 223 Advanced Sustainability in Action I 1-4 Credits**

Leadership and coordination of Sustainability in Action projects and activities for students in EVST 123. Experienced students who have completed the year-long Sustainability in Action sequence (EVST 123 and EVST 124) continue in course coordination role. Offered in coordination with the Campus Eco-Reps Program. Consent of instructor required.

**Repeat Status:** Course may be repeated.

**Prerequisites:** EVST 123 and EVST 124

**EVST 224 Advanced Sustainability in Action II 1-4 Credits**

Continuation of EVST 223. Leadership and coordination of Sustainability in Action projects and activities for students in EVST 124. Experienced students who have completed the year-long Sustainability in Action sequence (EVST 123 and EVST 124) continue in course coordination role. Offered in coordination with the Campus Eco-Reps Program. Consent of instructor required.

**Repeat Status:** Course may be repeated.

**Prerequisites:** EVST 223

**EVST 254 (ASIA 254, ETH 254, REL 254) Buddhism and Ecology 4 Credits**

Buddhism's intellectual, ethical, and spiritual resources are reexamined in light of contemporary environmental problems. Is Buddhism the most green of the major world religions? What are the moral implications of actions that affect the environment?

**Attribute/Distribution:** HU

**EVST 294 Practicum in Environmental Studies 1-4 Credits**

Practical experience on or off campus in local, state or national environmental activities. Students must present a work plan that describes the activities included in the practicum, the activity's sponsor, expected outcomes and the number of credits requested. Must have program director's approval.

**Repeat Status:** Course may be repeated.

**Prerequisites:** ES 001 and ES 002 and (ES 105 or ES 107 or ES 110 or ES 121 or ES 125)

**Can be taken Concurrently:** ES 001, ES 002, ES 105, ES 107, ES 110, ES 121, ES 125

**Attribute/Distribution:** HU, NS, SS

**EVST 301 (PHIL 301) Philosophical-Policy & Legal Design: Methods & Applications 4 Credits**

A basic class on the idea of policy design, as opposed to standard economic analysis of public policy and its application to various domestic and international areas of law, including environmental law. The course will introduce Philosophical-Policy Methods, or the protocol employing integrated philosophical systems to justify specific policy-legal design arguments, through the use of a variety of distinct policy paradigms.

**EVST 304 (ANTH 304) Socio-cultural Foundations of Environmental Policy 4 Credits**

This course is based on the premise that social and ecological sustainability require new policy approaches. Drawing on social, organizational, and behavioral theory, students will learn techniques for analyzing and critiquing existing environmental policies and designing more effective policies. Case studies highlight how cultural values, social norms, public opinion and politics shape policies and their outcomes. We examine the entire policy process from how environmental problems are defined, to how organizations implement policies and how policies are evaluated.

**Attribute/Distribution:** SS

**EVST 305 (AAS 305, POLS 305) Residential Segregation: Policies and Practices 4 Credits**

This course is an introductory planning course, with an emphasis on housing and community development policy. It will examine historical and contemporary aspects of urban politics; the economic, demographic, and spatial evolution of American cities; and various urban problems, such as the spatial mismatch between people and jobs, housing quality and affordability, and residential segregation. Finally, the course will review how planners have addressed conditions in cities and regions over time.

**Attribute/Distribution:** SS

**EVST 310 Foundations of Sustainable Development Practice 4 Credits**

This course introduces students to the foundational themes of sustainable development, including food and nutritional security, social service delivery, energy policy, water resource management, urbanization, infrastructure, human rights, biodiversity, adaptation to climate change, greenhouse gas reductions, and sustainable business and governance. Students are mentored by Lehigh faculty as they engage with world leaders in sustainability through the Global Classroom, an instructional platform pioneered by Columbia University and the Global Masters of Development Practice Association (<http://globalmdp.org/>).

**Attribute/Distribution:** SS

**EVST 311 (POLS 311) Environmental Valuation for Policy Design 4 Credits**

Seminar on how to value the environment for the purpose of designing and analyzing environmental policies. Review of the "contingent valuation method" currently used to price environmental resources, and assessment of this method's empirical and normative strengths and weaknesses. Evaluation of "deliberative monetary valuation" as an improved method for environmental assessment. Consideration of non-monetary approaches to environmental valuation as alternatives to understanding the environment's relationship to human well-being in policy contexts.

**Attribute/Distribution:** SS

**EVST 312 (POLS 312) Urban Environmental Policy Workshop 4 Credits**

An urban environmental planning and policy course in which students explore an issue affecting the local community, evaluate current policy responses and possible alternatives, and present recommendations to public officials, local organizations, and community members. Student research and analysis will draw on primary and secondary data, as well as feedback from conducting individual interviews, focus groups, and community meetings. Prior projects include determining how Bethlehem's new City Revitalization improvement Zone (CRIZ) might best benefit the South Side of Bethlehem, PA.

**Attribute/Distribution:** SS

**EVST 315 (HIST 315) American Environmental History 4 Credits**

Relationship between Americans and their natural environment from the colonial period to the present: impact of European settlement, attitudes toward wilderness, role of technological development, rise of preservation and conservation movements, establishment of national parks, recent environmental protection legislation.

**Attribute/Distribution:** SS

**EVST 319 (POLS 319) Mapping Data for Policymaking 4 Credits**

This research methods course teaches students to highlight important conditions and trends – ones that warrant policymakers' attention – using publicly available data sources (like the Census). Conveying information in a clear and persuasive way, one that motivates decision-makers to act, is a key step in any policymaking process. Students will become familiar with these databases and proficient at generating charts, graphs and maps using Microsoft Excel, Microsoft Access, and ArcMAP (three programs central to most jobs in policy-related fields).

**Attribute/Distribution:** SS

**EVST 320 (HMS 320, POLS 320) Food Justice in Urban Environments 4 Credits**

This course will review how urban agriculture and city greening programs and policies are part of a growing movement working to strengthen neighborhoods, promote healthier living, and create more localized and sustainable food economies. This class will explore research and readings from multiple disciplines on these programs and policies, and will also delve into individual case studies that illustrate how efforts to improve food access, beautify vacant land, and reduce farm-to-table distances get creatively and successfully combined.

**Attribute/Distribution:** SS

**EVST 323 (HMS 323, JOUR 323) Health and Environmental Controversies 4 Credits**

Exploration of health and environmental controversies from the perspectives of scientific uncertainty and mass media coverage. Examines genetic engineering, biotechnology, environmental health risks and nanotechnology. Includes discussion of ethical and social responsibilities and interactions with the public.

**Attribute/Distribution:** SS

**EVST 328 (POLS 328) U.S. Politics and the Environment 4 Credits**

An examination of contemporary American politics and policy dealing with environmental issues. Current controversies in the legislative and regulatory areas will be covered to examine environmental issues and the political process. Significant portions of the course readings will be taken from government publications.

**Attribute/Distribution:** SS

**EVST 331 Environmental Law I: Pollution & Risk Abatement 4 Credits**

This course studies the practical reality of environmental regulation as codified law. It also aims at understanding the law's foundation in argument and justification as both existing law and proposed policy through the use of cases, statutes, and regulations on air, water, risk, waste and environmental impact. Utilizing two legal paradigms for charting the relationship between humanity and nature, it examines a wide range of environmental law as well as ethical, political, economic, scientific, and policy dimensions.

**Attribute/Distribution:** SS

**EVST 342 (PHIL 342) International Law & Philosophical-Policy Design 4 Credits**

Using the techniques of Philosophical-Policy and Legal Design we will examine the evolution of those fundamental ideas from the 16th to the 19th centuries that have shaped our current understanding of international law. To assess both what law is, and what it ought to be, we will contrast narrow theories of international law with more comprehensive philosophical arguments that place the evolution of legal practice within a more universal concern for practical reason and human nature.

**Attribute/Distribution:** HU

**EVST 343 (PHIL 343) Comparative Environmental Law & Philosophical-Policy Design 4 Credits**

Globalization is changing our perception of environmental policy as a strictly "domestic" issue. Those interested in humanity's future interaction with nature need to understand not only the comparative practice of law and policy but the various philosophical principles that inform distinct approaches to environmental regulation within different political systems. We will explore both the components of the generic legal system and the range of alternatives for environmental law and policy design as practiced in various parts of the world.

**Attribute/Distribution:** HU

**EVST 353 (ANTH 353, GS 353) Ethnobotany: People and Plants 4 Credits**

This course explores the meanings and uses given to plants by diverse cultures in their unique ecological settings. Ethnobotany combines botany and cultural anthropology to study how people classify, use, and manage plants for medicine, food, and ritual. This course introduces the history, methods, theory, and practical applications of ethnobotany, including plant conservation, sustainable development, and cultural survival. Special emphasis will be placed on learning to do ethnobotany through student research projects.

**Attribute/Distribution:** SS

**EVST 355 (POLS 355) Environmental Justice: From Theory to Practice 4 Credits**

This course explores the various ways in which environmental law and policy can have discriminatory effects. It examines the rise and evolution of environmental justice movement, and the impact of environmental justice claims on administration policies, especially at the federal level. Considering the role of politics in the ongoing struggle for environmental justice, it reviews theories of substantive and procedural justice, and uses them to consider strategies for advancing equity in environmental law and policy.

**Prerequisites:** POLS 105 or ES 105

**Attribute/Distribution:** SS

**EVST 357 (PSYC 357) Psychology of Environmental Issues 4 Credits**

Environmental problems and solutions begin with the thoughts, feelings, and behaviors of individual people. We will examine Western ways of relating to nature and the beliefs people hold about it, how they reason about environmental issues, and how they perceive environmental risk and make decisions. We will also consider environmental communication and attitude and behavior change, exploring arenas ranging from patterns of consumption and recycling to climate change. Research methods for investigating these issues will be introduced.

**Prerequisites:** PSYC 001

**Attribute/Distribution:** SS

**EVST 366 (POLS 366) Advanced Environmental Policy 4 Credits**

An introduction to the history of domestic environmental policy and contemporary policy trends, such as the rise of legal adversarialism and public participation in regulatory decisions. The role of market instruments in policy implementation, the emergence of rights-based approaches to environmental protection, and the role and value of distributional analysis will also be covered. Students will develop knowledge of a particular area of environmental policy at the federal, state, and/or level depending on their interests and current opportunities.

**Prerequisites:** POLS 105 or ES 105

**Attribute/Distribution:** SS

**EVST 367 (TLT 367) Environmental Education 3 Credits**

Introductory environmental education course designed to prepare students to implement environmental education opportunities in formal and non-formal education settings. Topics include history and philosophy of environmental education, environmental laws and regulations, GIS, environmental issues and decision making, curriculum integration and environmental education teaching methodologies. This is a Web enhanced containing both online and fieldwork components.

**EVST 368 (TLT 368) Teaching and Learning with Geospatial Tools 3 Credits**

Exploration of geospatial tools, including but not limited to global positioning systems (GPS), geographic information systems (GIS), and related visualization tools (e.g. Google Earth). Application of these tools and techniques to instructional settings, including appropriate pedagogy and assessment. Not available for credit for students who have completed EVST/TLT 369.

**EVST 369 (TLT 369) Applied Geospatial Tools 3 Credits**

Introduction to geospatial tools--including but not limited to global positioning systems (GPS), geographic information systems (GIS), and related visualization tools (e.g. Google Earth)--and related concepts such as geo-databases, map projection, and remote sensing. Application of these tools and techniques to research, policy, business, public health, and communications. Not available to students who have taken EVST/TLT 368.

**EVST 370 (GS 370, SOC 370) Globalization and the Environment 4 Credits**

This course investigates how globalization has influenced society-nature relationships, as well as how environmental conditions influence the globalization processes, focusing on the rapidly evolving global economic and political systems that characterize global development dynamics and resource use. Particular attention is paid to the role of multi-national corporations, international trade, and finance patterns and agreements. Questions related to consumption, population, global climate change, toxic wastes, and food production/distribution are key themes.

**Attribute/Distribution:** SS

**EVST 371 Special Topics 1-4 Credits**

Intensive, research-oriented study of a subject or issue in Environmental Studies not covered in other courses. For students of demonstrated ability and adequate preparation. Consent of program director required.

**Repeat Status:** Course may be repeated.

**Attribute/Distribution:** HU, SS

**EVST 391 Honors Thesis 1-4 Credits**

Directed undergraduate research thesis required of students who apply and qualify for graduation with program honors. Consent of program director required.

**Repeat Status:** Course may be repeated.

**Attribute/Distribution:** HU, SS

**EVST 393 Supervised Internship 1-4 Credits**

Experiential learning opportunities supervised by ES faculty including real-world experience with environmental organizations or governmental agencies, field work or research experience, all related to environmental studies. Students should collaborate with the supervising ES faculty member to develop a work plan that describes the activities included in the internship, the expected outcomes and the number of credits requested. Instructor permission required.

**Repeat Status:** Course may be repeated.

**Prerequisites:** ES 001 and ES 002 and (ES 105 or ES 107 or ES 110 or ES 121 or ES 125)

**Attribute/Distribution:** HU, NS, SS

**EVST 401 Philosophical-Policy & Legal Design: Methods & Applications 3 Credits**

A basic class on the idea of policy design, as opposed to standard economic analysis of public policy and its application to various domestic and international areas of law, including environmental law. The course will introduce the idea of Philosophical-Policy Methods, or the protocol employing integrated philosophical systems to justify specific policy-legal design arguments, through the use of a variety of distinct policy paradigms.

**EVST 402 (EES 402) Scientific Foundations for Environmental Policy Design 3 Credits**

This course explores the science behind the environmental issues that bear on policy process at local, national and global scales. The course delves into the science of selected environmental issues that have either arisen from anthropogenic activities, that impact social systems, or that help policy-makers understand the consequence of different policy options. The course consists of readings and discussions of timely topics and one major project.

**EVST 405 (POLS 405) Residential Segregation: Policies and Practices 3 Credits**

This course is an introductory planning course, with an emphasis on housing and community development policy. It will examine historical and contemporary aspects of urban politics; the economic, demographic, and spatial evolution of American cities; and various urban problems, such as the spatial mismatch between people and jobs, housing quality and affordability, and residential segregation. Finally, the course will review how planners have addressed conditions in cities and regions over time.

**EVST 410 Foundations of Sustainable Development Practice 3 Credits**

This course introduces students to the foundational themes of sustainable development, including food and nutritional security, social service delivery, energy policy, water resource management, urbanization, infrastructure, human rights, biodiversity, adaptation to climate change, greenhouse gas reductions, and sustainable business and governance. Students are mentored by Lehigh faculty as they engage with world leaders in sustainability through the Global Classroom, an instructional platform pioneered by Columbia University and the Global Masters of Development Practice Association (<http://globalmdp.org/>).

**EVST 411 (POLS 411) Environmental Valuation for Policy Design 3 Credits**

Seminar on how to value the environment for the purpose of designing and analyzing environmental policies. Review of the "contingent valuation method" currently used to price environmental resources, and assessment of this method's empirical and normative strengths and weaknesses. Evaluation of "deliberative monetary valuation" as an improved method for environmental assessment. Consideration of non-monetary approaches to environmental valuation as alternatives to understanding the environment's relationship to human well-being in policy contexts.

**EVST 412 (POLS 412) Urban Environmental Policy Workshop 3 Credits**

An urban environmental planning and policy course in which students explore an issue affecting the local community, evaluate current policy responses and possible alternatives, and present recommendations to public officials, local organizations, and community members. Student research and analysis will draw on primary and secondary data, as well as feedback from conducting individual interviews, focus groups, and community meetings. Prior projects include determining how Bethlehem's new City Revitalization improvement Zone (CRIZ) might best benefit the South Side of Bethlehem, PA.

**EVST 419 (POLS 419) Mapping Data for Policymaking 3 Credits**

This research methods course teaches students to highlight important conditions and trends – ones that warrant policymakers' attention – using publicly available data sources (like the Census). Conveying information in a clear and persuasive way, one that motivates decision-makers to act, is a key step in any policymaking process. Students will become familiar with these databases and proficient at generating charts, graphs and maps using Microsoft Excel, Microsoft Access, and ArcMAP (three programs central to most jobs in policy-related fields).

**EVST 420 (POLS 420) Food Justice in Urban Environments 3 Credits**

This course will review how urban agriculture and city greening programs and policies are part of a growing movement working to strengthen neighborhoods, promote healthier living, and create more localized and sustainable food economies. This class will explore research and readings from multiple disciplines on these programs and policies, and will also delve into individual case studies that illustrate how efforts to improve food access, beautify vacant land, and reduce farm-to-table distances get creatively and successfully combined.

**EVST 433 International Environmental Law & Philosophical-Policy Design 3 Credits**

This course studies international law and the natural environment assuming that the superficial legal structure and policy dilemmas of globally regulating the natural world are the result of the more essential philosophical ideas and concepts that have created both the international legal system and humanity's evolving interrelationship with nature. Learning the current structure of the international-environmental legal system we shall comparatively apply theory to practice to both explain existing law and justify policy change.

**EVST 442 International Law & Philosophical-Policy Design 3 Credits**

Using the techniques of Philosophical-Policy and Legal Design we will examine the evolution of those fundamental ideas from the 16th to the 19th centuries that have shaped our current understanding of international law. To assess both what law is, and what it ought to be, we will contrast narrow theories of international law with more comprehensive philosophical arguments that place the evolution of legal practice within a more universal concern for practical reason and human nature.

**EVST 443 Comparative Environmental Law & Philosophical-Policy Design 3 Credits**

Globalization is changing our perception of environmental policy as a strictly "domestic" issue. Those interested in humanity's future interaction with nature need to understand not only the comparative practice of law and policy but the various philosophical principles that inform distinct approaches to environmental regulation within different political systems. We will explore both the components of the generic legal system and the range of alternatives for environmental law and policy design as practiced in various parts of the world.

**EVST 453 Ethnobotany: People and Plants 3 Credits**

This course explores the meanings and uses given to plants by diverse cultures in their unique ecological settings. Ethnobotany combines botany and cultural anthropology to study how people classify, use, and manage plants for medicine, food, and ritual. This course introduces the history, methods, theory, and practical applications of ethnobotany, including plant conservation, sustainable development, and cultural survival. Special emphasis will be placed on learning to do ethnobotany through student research projects.

**EVST 455 (POLS 455) Environmental Justice: From Theory to Practice 3 Credits**

This course explores the various ways in which environmental law and policy can have discriminatory effects. It examines the rise and evolution of environmental justice movement, and the impact of environmental justice claims on administrative rule making at state and federal level. Reviewing the history of case law concerning environmental justice suits filed under the 1964 Civil Rights Act, it also examines the future of environmental justice in environmental law and policy.

**EVST 457 (PSYC 457) Psychology of Environmental Issues 3 Credits**

Environmental problems and solutions begin with the thoughts, feelings, and behaviors of individual people. We will examine Western ways of relating to nature and the beliefs people hold about it, how they reason about environmental issues, and how they perceive environmental risk and make decisions. We will also consider environmental communication and attitude and behavior change, exploring arenas ranging from patterns of consumption and recycling to climate change. Research methods for investigating these issues will be introduced.

**EVST 460 (POLS 460) Public Administration 3 Credits**

The nature of administration; problems of organization and management; public personnel policies; budgeting and budgetary system; forms of administrative responsibility.

**EVST 466 (POLS 466) Advanced Environmental Policy 3 Credits**

An introduction to the history of domestic environmental policy and contemporary policy trends, such as the rise of legal adversarialism and public participation in regulatory decisions. The role of market instruments in policy implementation, the emergence of rights-based approaches to environmental protection, and the role and value of distributional analysis will also be covered. Students will develop knowledge of a particular area of environmental policy at the federal, state, and/or level depending on their interests and current opportunities.

**EVST 480 Internship in Environmental Policy 3 Credits**

Students will gain practical experience working with governmental or non-governmental organizations or public officials formulating and/or implementing environmental policies at local, regional, national or international levels. Requires submission of a formal proposal drafted in collaboration with a faculty advisor and the professional mentor who will oversee the student's internship. Upon completion of the internship, students will report project outcomes in oral presentation, written, or digital media format. Instructor permission required.

**Repeat Status:** Course may be repeated.

**EVST 483 Independent Study 1-3 Credits**

Independent Study.

**Repeat Status:** Course may be repeated.

**EVST 490 Thesis 1-6 Credits**

Thesis.