



UNIVERSITY of WISCONSIN
GREEN BAY

*= fulfills the General Education requirement for a sustainability related course

100 – 400 level courses are undergraduate level courses

500 – 700 level course are graduate level courses

Sustainability-Focused Courses

Economics 412/612: Economics of Sustainability (undergraduate/graduate); Department: Economics

Exploration of the economic conditions for, requisites of, and policy to encourage social, ecological and economic sustainability.

***Environmental Science 303: Environmental Sustainability (undergraduate); Department: Environmental Science**

Principles of conservation: the nature and extent of our natural resources; exploitation and conservation of our resource system; natural chemical, physical and biological processes which affect and influence conservation and management practices; politics and economics of resource conservation.

Environmental Science 415: Solar & Alternate Energy Systems (undergraduate); Department: Environmental Science

Study of alternate energy systems which may be the important energy sources in the future, such as solar, wind, biomass, fusion, ocean thermal, fuel cells and magneto hydrodynamics.

Environmental Science 425: Global Climate Change (undergraduate); Department: Environmental Science

Examines changes in global climate with emphasis on the processes by which climate change occurs. Focuses on the recent changes in the concentration of atmospheric greenhouse gases and their impact on the earth's global energy budget. Examines the potential environmental impact of a changed climate.

***Public & Environmental Affairs 323: Sustainable Land Use (undergraduate); Department: Public & Environmental Affairs**

Various forms of public land-use controls in planning and administration, addressing "what, why and how" aspects of land-use controls. Smart Growth, Environmental Impact Analysis, and other comprehensive planning models studied.

***Public & Environmental Affairs 324: Transitioning to Sustainable Communities (undergraduate); Department: Public & Environmental Affairs**

Creating resilient communities based on local inputs/outputs to support jobs, housing, transportation, schools, agriculture and city services.

Public & Environmental Affairs 390/483X: Colloquium in Environmental Sustainability & Business (undergraduate/graduate): Department: Public & Environmental Affairs

Required component of the Certificate in Environmental Sustainability and Business. Focus is placed upon the nature of systems thinking systems dynamics, and problem solving. Will address systems dynamics in natural world policy creation, human creativity and the arts, and business decision making. Latter half of class is applications focused.

Democracy and Social Justice 251: Sustainable Development (undergraduate): Department: Democracy and Social Justice

Explores contradictions and possibilities resulting from incompatibilities of social and economic goals and systems with global and regional ecosystem, human and physical constraints. Case studies will include global, industrial, regional and third world issues.

Sustainability Management SMGT 720: Geopolitical Systems–Decision Making for Sustainability on the Local, State, and National Level (graduate); Department/Unit: Natural & Applied Sciences

This course is an examination of decision making and public policy for sustainability at the national, state, and local levels, with emphasis on the social, economic, and political factors affecting decisions within both the public and private sectors. Attention is given to formal American policymaking processes, informal grassroots activities and consensus building, public engagement with sustainability decisions, corporate sustainability actions and reporting, the promise of public-private partnerships and collaborative decision making, and practical examples of how decision making fosters effective transitions to sustainability goals at all levels.

Sustainability Management SMGT 770: Leading Sustainable Organizations (graduate); Department/Unit: Natural & Applied Sciences

Get a macro-level perspective on leading sustainable organizations. Topics addressed include: organizational change and transformation processes, strategic and creative thinking, organizational structures and their impacts, conflict management and negotiation, stakeholder management, and situational leadership styles and behaviors. We will focus on how organizational leaders develop and enable sustainable organizations, especially in times of environmental change.

Sustainability Management SMGT 785: Waste Management and Resource Recovery (graduate); Department/Unit: Natural & Applied Sciences

This course covers the generation, processing, management and disposal of municipal, industrial and agricultural waste with an emphasis on the technical, economic, and environmental aspects of various recovery processes. Additional topics will include producer responsibility, design for environment, and life cycle analysis.

Sustainability-Related Courses

Biology 203 - Principles of Biology: Organisms, Ecology, and Evolution (undergraduate); Department: Biology

Biological principles, structure and function of organisms, with consideration of interactions at cellular level and examination of the relationships of organisms to the environment. Includes laboratories.

Biology 345 - Animal Behavior (undergraduate); Department: Biology

Biology of animal behavior patterns; behavioral interactions of animals with their environment.

Biology 346 - Comparative Physiology (undergraduate); Department: Biology

Ways in which dissimilar organisms perform similar functions. Behavioral, physiological, and biochemical solutions to problems imposed on invertebrate and vertebrate animals by their environment.

Chemistry 355 - Chemistry in the World (undergraduate); Department: Chemistry

Focuses on chemistry of modern issues: air pollution, atmospheric ozone, global warming, energy utilization, water as a natural resource, acid rain, and nuclear energy.

Chemistry 634: Environmental Chemistry (graduate); Department: Chemistry

Physical, chemical, and biological processes affecting the composition of air and water. Chemical reactions in polluted, and unpolluted environments; dispersal processes and methods of control for various pollutants.

Design Arts 436 - Environmental Design Studio I (undergraduate); Department: Design Arts

Introduces use of creative problem solving techniques in defining, analyzing, and solving problems in the built environment at the scale of the individual. Emphasizes basic graphic and verbal presentation techniques and relationships between form, the natural environment, people, and function.

Design Arts 437 - Environmental Design Studio II (undergraduate); Department: Design Arts

Analysis and design of group spaces, such as houses, classrooms, waiting rooms and other spaces intended for occupancy by groups of people.

Design Arts 438 - Environmental Design Studio III (undergraduate); Department: Design Arts

Projects at the urban scale: design teams analyze physical, social, economic, historical, and administrative aspects of specific problems. Students formulate urban design programs and produce policies, plans, and designs.

Design Arts 439 - Environmental Design Studio IV (undergraduate); Department: Design Arts

Each student proposes, designs and executes a design/research project of an elected topic. Individual projects are acceptable in some instances; projects by design teams are encouraged.

Economics 305: Natural Resources Economic Policy (undergraduate); Department: Economics

Acquaints the student with policies leading to arrangements for the development, management, and use of natural resources. Emphasizes the longer time horizon required for the conservation of resources and a general concern for the quality of ecosystems.

Economics 453/653: Cost-Benefit Analysis (undergraduate/graduate); Department: Economics

Application of tools and concepts in current economic decision making, with special emphasis upon Natural Resource management, environmental problems, market failure, and public policy approaches.

Education 203 - Environmental Education in K-12 Schools (undergraduate); Department: Education

Philosophies, teaching/learning processes, and resources for environmental education. Focus on hands-on/minds-on activities and multidisciplinary environmental education

theory and practice; examination of ways to apply learning to future teaching roles in and out of the classroom.

***English 333 – Literary Themes (Theme: Environmental Literature) (undergraduate); Department: English**

Explores a single theme such as fantasy, war, revolution, love or alienation through the literature of one or several nations. May be repeated for credit when a different theme is studied.

***English 364 – Literary Topics (Theme: Environmental Literature) (undergraduate); Department: English**

The study of topics, through literature, with a focus on individual and social values. Topics may include subjects (i.e., the natural environment, calamities), genres (i.e., memoirs, detective novels), and adaptations (i.e., Shakespeare and opera). May be repeated for credit when content is different.

***Environmental Science 102: Environment & Society (undergraduate); Department: Environmental Sciences**

An examination of the relationship between humans and the biophysical environment at local, national, and global levels. Emphasis is given to the impact of personal attitudes, cultural beliefs, economics, politics, technology and available resources on environmental problems and solutions.

Environmental Science 188: Issues in Biological Conservation (undergraduate); Department: Environmental Sciences

Current problems and controversies of nature conservation; scientific and political issues surrounding endangered species preservation, hunting and fishing, forest management, land use, animal rights, biotechnology and similar topics.

***Environmental Science 260: Energy & Society (undergraduate); Department: Environmental Sciences**

The issues relating energy and society rather than energy technology per se: global energy flows; sources of energy; energy-related problems, policy and conservation; energy growth; future scenarios.

***Environmental Science 301 - Radioactivity: Past, Present, and Future (undergraduate);
Department: Environmental Sciences**

Radioactive isotopes play a significant role in many aspects of the natural and human environments. People are affected throughout their lives by natural and anthropogenic isotopes at local, national, and global scales. From radon in houses and radium in local drinking water supplies to fallout from Chernobyl, humans are directly impacted through health, economic, and technological pathways

Environmental Science 302 - Principles of Ecology (undergraduate); Department: Environmental Sciences

Ecological principles governing interactions of plants and animals in their physical and biotic environments. Focuses on organisms and their environment, populations, communities, ecosystems, and global dimensions.

**Environmental Science 305/505 - Environmental Systems (undergraduate/graduate);
Department: Environmental Sciences**

Physical and chemical aspects of natural environmental processes. The movement, transformation, and fate of materials and contaminants.

**Environmental Science 318/518: Pollution Control (undergraduate/graduate); Department:
Environmental Sciences**

Government regulations, manufacturing processes, waste minimization, pollution prevention methods and pollution control techniques of major industries.

**Environmental Science 320/520- The Soil Environment (undergraduate/graduate); Department:
Environmental Sciences**

The physical, chemical and biological properties and principals of soils; formation, classification and distribution of major soil orders; function and management of soils in natural, agricultural and urban environments. Includes field and laboratory experiences.

**Environmental Science 323/523: Pollution Prevention (undergraduate/graduate); Department:
Environmental Sciences**

Emphasizes principles of pollution prevention and environmentally conscious products, processes and manufacturing systems. Also addresses post-use product disposal, life cycle analysis, and pollution prevention economics.

**Environmental Science 330/632 - Hydrology (undergraduate/graduate); Department:
Environmental Sciences**

Qualitative study of the principal elements of the water cycle, including precipitation, runoff, infiltration, evapotranspiration and ground water; applications to water resource projects such as low flow augmentation, flow reregulation, irrigation, public and industrial water supply and flood control.

**Environmental Science 335/535 - Water and Waste Water Treatment (undergraduate/graduate);
Department: Environmental Sciences**

Water and waste water treatment systems, including both sewage and potable water treatment plants and their associated collection and distribution systems. Study of the unit operations, physical, chemical and biological, used in both systems

**Environmental Science 342/542 - Environmental Geology (undergraduate/graduate);
Department: Environmental Sciences**

Applications of fundamental geologic concepts in the interpretation of environmental problems resulting from the exploitation of crustal resources. Environmental impact of construction, mining, waste disposal, natural geologic hazards and the tapping of crustal energy sources.

**Environmental Science 370 - Emergence of Western Technology (undergraduate); Department:
Environmental Sciences**

History of the shift in the technological balance of power from 16th century China, India and the Islamic world to western Europe and later to North America.

**Environmental Science 405/605 - Aquatic Ecology (undergraduate/graduate); Department:
Environmental Sciences**

An introduction to a diversity of freshwater systems, including streams, wetlands, reservoirs and lakes. The lab involves sampling of lakes and streams in eastern Wisconsin for biological and chemical analysis

**Environmental Science 407 - Modeling of Environmental Systems (undergraduate); Department:
Environmental Sciences**

Creation and analysis of deterministic and stochastic mathematical models describing material and energy flows in environmental systems. Measurements needed for parameter estimation and model validation. Ethics in modeling.

***Environmental Science 460: Resource Management Strategy (undergraduate); Department:
Environmental Sciences**

Application of the principles of systems analysis to the sustainable use of material and energy resources. Emphasis on use of analytical tools of economics (e.g. costs-benefit, cost-effectiveness, and risk-benefit analysis) and the process of public policy making and implementation.

**Environmental Science 467 - Ecological and Environmental Methods and Analysis
(undergraduate); Department: Environmental Sciences**

Overview of current theory and practices of ecological sampling and analysis for terrestrial systems with field and laboratory experiences in these methods.

***Environmental Science 469/669: Conservation Biology (undergraduate); Department: Environmental Sciences**

Overview of the major issues and ecological principles underlying the field of conservation of biology, including patterns and measurement of biological diversity from genetic to community scales.

Environmental Science 668: Ecological Applications (graduate); Department: Environmental Sciences

Application of ecological knowledge to the management of natural and human dominated environments, including consideration of agroecosystems, forest, wetland and riparian ecosystems. Attention given to ecology and management of harvestable species, endangered species, non-indigenous species and indigenous pest species. Introduction to the fields of ecotoxicology, ecological risk assessment and ecological economics as they relate to ecosystem management. Field Trips Required

Environmental Science & Policy 701 - Perspectives in Environmental Science and Policy (graduate); Department: Environmental Science & Policy

Introduces the fundamental perspectives on environmental issues. Develops framework based on natural sciences, economics, and politics/policy by which the complex causes of environmental problems can be understood and viable solutions formulated.

Environmental Science & Policy 713 - Energy, Natural Resources and Public Policy (graduate); Department: Environmental Science & Policy

Public policy issues related to energy and other natural resources with a special emphasis on the United States. Topics include fossil energy, nuclear energy, solar and other alternative sources of energy; natural resources ranging from soil, water and minerals to wildlife, forests and parks

Environmental Science & Policy 715 - Seminar in Ecology and Evolution (graduate); Department: Environmental Science & Policy

This graduate course provides a forum for discussion of contemporary ideas in ecology and evolution. Students and faculty discuss weekly readings in an informal atmosphere. Topics are chosen from the current scientific literature; examples from recent semesters include ecosystem stability, competition and coexistence, group selection, trophic dynamics, and complex species interactions.

Environmental Science & Policy 724 - Hazardous and Toxic Materials (graduate); Department: Environmental Science & Policy

The handling, processing, and disposal of materials which have physical, chemical, and biological properties that present hazards to human, animal, and plant life; procedures for worker safety and for compliance with regulations. The metals and nonmetals, carcinogens, radioactive materials, and pathogenic human, animal, and plant wastes

Environmental Science & Policy 733 - Ground Water: Resources and Regulations (graduate); Department: Environmental Science & Policy

An overview of the geology, properties, flow, and pollution of ground water systems. Techniques of aquifer characterization and water quality monitoring are introduced and

evaluated. Regulatory and policy approaches to moderate use and ensure adequate high quality supplies of this valuable resource in the future are also reviewed.

Environmental Science & Policy 740 - Ecosystems Management (graduate); Department: Environmental Science & Policy

This course seeks to impart the underutilized potential of our present understanding of ecology and system dynamics to management problems associated with human dominated and natural ecosystems.

Environmental Science & Policy 743 - Landscape Ecology (graduate); Department: Environmental Science & Policy

Landscape ecology emphasizes spatial patterning and focuses on ecological dynamics over large regions. Concepts and methods will be studied through lectures, readings, discussions, and practical applications. Prior experience with specific computer programs not required.

Environmental Science & Policy 749 - Wetland Ecology and Management (graduate); Department: Environmental Science & Policy

Ecological processes and characteristics of wetlands such as primary productivity, hydrology, decomposition and nutrient dynamics are studied. Wetland classification and delineation systems are examined and applied in the field. Management practices and potential as well as current approaches to values assessment are addressed.

Environmental Science & Policy 752 - Environmental Policy and Administration (graduate); Department: Environmental Science & Policy

The political and institutional aspects of environmental policy-making and implementation, including issues in environmental policy analysis. Emphasis is on national policy processes in the United States, but attention is given also to global and state and local environmental problems and public policy.

Environmental Science & Policy 755: Environmental Data Analysis (graduate); Department: Environmental Science & Policy

This course emphasizes the principles of data analysis using the SAS (Statistical Analysis System) software package. It employs primarily environmental examples to illustrate procedures for elementary statistical analysis, regression analysis, analysis of variance and nonparametric analysis. P: intro stats cse and grad st.

Environmental Science & Policy 763 - Seminar in Environmental Science and Policy (graduate); Department: Environmental Science & Policy

Capstone course of the program in Environmental Science and Policy. Selected contemporary environmental issues such as acid deposition, radioactive waste management or groundwater contamination are chosen for review and analysis in a seminar format. Both policy and scientific aspects of the topics are addressed.

**Environmental Science & Policy 765 - Environmental Modeling and Analysis (graduate);
Department: Environmental Science & Policy**

How and where mathematical models are used in real life environmental applications. Focus on discrete, continuous, and stochastic models. Students will create models and use them to analyze and interpret systems.

**Environmental Science & Policy 766 - Waste Management and Resource Recovery (graduate);
Department: Environmental Science & Policy**

Topics include generation, processing, and disposal of municipal, industrial, and agricultural waste materials with emphasis on the technical and economic feasibility of various recycling processes.

***First Nations Studies 210 – American Indians in Film (undergraduate); Department: First Nations Studies**

This course examines how Hollywood films both construct and appropriate images of American Indians. Students will view films beginning with the silent film era and ending with contemporary movies while exploring and challenging common stereotypes of Native people.

***First Nations Studies 216 – Native American Landscapes: Imagined and Lived Spaces (undergraduate); Department: First Nations Studies**

The course will explore the relationship between time and space within Native American cultures. The course will compare North American indigenous landscapes and Andean indigenous landscapes.

***First Nations Studies 224 – First Nations and the Sacred (undergraduate); Department: First Nations Studies**

This course explores the world views and oral traditions of First Nations people. Students will examine concepts, ideas, accompanying opinion, and practices within the holistic concept of the Sacred.

***First Nations Studies 225 – Introduction to First Nations Studies: The Tribal World (undergraduate);
Department: First Nations Studies**

This introductory course to First Nations Studies presents the American Indian tribal cultural context through both information and class structure. A core value is personal sovereignty supported by respect, reciprocity, and relationship.

***First Nations Studies 226 – Introduction to First Nations Studies: Social Justice (undergraduate);
Department: First Nations Studies**

This introductory course in First Nations Studies will examine the impact of European and American political, economic, and social systems upon American Indian nations in the U.S.

***First Nations Studies 301 – Oneida Language I (undergraduate); Department: First Nations Studies**

A course on the Oneida language typically offered in the Oneida community with the aid of native speakers. Emphasis varies with student interest. Tools and resources for further independent study are stressed.

***First Nations Studies 302 – Oneida Language II (undergraduate); Department: First Nations Studies**

A course on the Oneida language typically offered in the Oneida community with the aid of native speakers. Emphasis varies with student interest. Tools and resources for further independent study are stressed.

***First Nations Studies 303 – Oneida Language III (undergraduate); Department: First Nations Studies**

A course on the Oneida language typically offered in the Oneida community with the aid of native speakers. Emphasis varies with student interest. Tools and resources for further independent study are stressed.

First Nations Studies 304 – Oneida Language IV (undergraduate); Department: First Nations Studies

A course on the Oneida language typically offered in the Oneida community with the aid of native speakers. Emphasis varies with student interest. Tools and resources for further independent study are stressed.

***First Nations Studies 305 – Oneida Language V (undergraduate); Department: First Nations Studies**

A course on the Oneida language typically offered in the Oneida community with the aid of native speakers. Emphasis varies with student interest. Tools and resources for further independent study are stressed.

***First Nations Studies 372 – Indigenous Nations Oral and Storytelling Traditions (undergraduate); Department: First Nations Studies**

Study of the cultural values of Indigenous Nations in North America reflecting the indigenous intellect. Indigenous elder knowledge, story telling methodology, and literature (poetry, and novels) are explored.

***First Nations Studies 374 – Wisconsin First Nations Ethnohistory (undergraduate); Department: First Nations Studies**

An in-depth examination of one American Indian nation now located in Wisconsin: Anishinabe (Ojibway), Oneida (Iroquois), Menominee, Potawatomi or Mohican. This course explores the culture and history of one of these nations.

***First Nations Studies 385 – Perspectives on Human Values: First Nations (undergraduate); Department: First Nations Studies**

Drawing upon American Indian oral traditions and Elder epistemology, this course will examine the diverse traditional, cultural, spiritual, and political values and world views of American Indian Nations.

***First Nations Studies 391 – First Nations Studies Seminar (undergraduate); Department: First Nations Studies**

This course is designed for students who already have a background in American Indian Studies. It is a variable content course which includes such topics as contemporary issues, environmental justice, American Indian law, and repatriation.

***First Nations Studies 392 – First Nations Justice and Tribal Governments (undergraduate); Department: First Nations Studies**

This course explores the pre-contact justice systems and constructions of "justice" among American Indian nations. The impact of colonization upon these structures will be examined as well as the formation and operation of contemporary tribal governing structures.

***First Nations Studies 393 – First Nations and Education Policy (undergraduate); Department: First Nations Studies**

Basic background and vocabulary necessary to understand, discuss, and analyze the complex variables and important common denominators that affect Tribal and U.S. citizens, particularly through education policy at the federal/state levels.

Geological Science 222 - Ocean of Air: Weather and Climate (undergraduate); Department: Geoscience

Fundamental processes of the atmosphere, the resulting weather and climate, and the effects of the atmosphere on other aspects of the earth's environments and on humans.

History 220 – American Environmental History (undergraduate); Department: History

This course offers an introduction to environmental history - the study of the historical relationship between humans and the natural world - with a focus on North America from before European contact up to contemporary times. Likely topics to be considered include: First Nations' relationships with nature and land use patterns prior to European contact; the massive environmental changes that came with the arrival of European colonizers; changing ideas about the proper relationships between humans and nature; and major developments in resource use and management, including the rise of the modern environmental movement in the late 20th century and contemporary environmental problems and challenges.

Human Biology 205 - Biotechnology and Human Values (undergraduate); Department: Human Biology

Examination of technological developments in biology and medicine, including genetic, behavioral, and organism modification and the moral and ethical concerns raised by such technologies.

***Human Biology 206 – Fertility, Reproduction and Family Planning (undergraduate); Department: Human Biology**

Factors that influence reproduction and fertility, i.e., physiological, psychological, social, cultural, and ethical; the methods available for limiting or increasing reproduction; the nature of family planning programs.

***Human Biology 217 – Human Disease and Society (undergraduate); Department: Human Biology**

Impact of diseases in humans. Emphasizes the major diseases, their causes, individual effects, historical significance, and methods of control.

***Human Biology 405 – Biotechnology and Ethics (undergraduate); Department: Human Biology**

Examination of the science and ethics of biotechnology including genomics, eugenics, recombinant DNA technology, reproductive technology, stem cells, drugs, modified organisms, and treatment of diseases.

***Nutritional Science 250 - World Food and Population Issues (undergraduate); Department: Nutritional Science**

World hunger and population growth as interrelated problems. Dimensions of the world food situation and its implications; scope, complex causes and effects of malnutrition; general strategies and obstacles to the solution of world food and population problems.

***Philosophy 220 - Environmental Ethics (undergraduate); Department: Philosophy**

The goal of this course is to acquaint ourselves with some of the major issues in environmental ethics. Specifically we'll be looking in to the health of our environment the value of individuals, animal consumption and testing, wilderness preservation, food issues, global population and geo-engineered solutions. The course will be interdisciplinary.

Political Science 301 - Environmental Politics and Policy (undergraduate); Department: Political Science

U.S. and global environmental problems and their political implications. Emphasizes U.S. environmental politics, issues and controversies in environmental protection policy, the performance of governmental institution in response to environmental challenges, and strategies for environmental improvement.

***Psychology 390 - Environmental Psychology (undergraduate); Department: Psychology**

Human-environment relationships; examines ways in which the physical environment influences human behavior.

Public & Environmental Affairs /Political Science 310: Environmental Politics & Policy (undergraduate); Department: Public & Environmental Affairs

U.S. and global environmental problems and their political implications. Emphasizes U.S. environmental politics, issues and controversies in environmental protection policy, the performance of governmental institution in response to environmental challenges, and strategies for environmental improvement

Public & Environmental Affairs 321: Coastal Resources – Their Use and Management (undergraduate); Department: Public & Environmental Affairs

History, processes, and impacts of environmental planning in the United States. Action forcing legislation and its effect on environmental issues and processes. Emphasizes environmental planning and implementation at the national, state, and local levels.

Public & Environmental Affairs 322: Environmental Planning (undergraduate); Department: Public & Environmental Affairs

History, processes, and impacts of environmental planning in the United States. Action forcing legislation and its effect on environmental issues and processes. Emphasizes environmental planning and implementation at the national, state, and local levels.

***Public & Environmental Affairs 323: Sustainable Land Use (undergraduate); Department: Public & Environmental Affairs**

Various forms of public land-use controls in planning and administration, addressing "what, why and how" aspects of land-use controls. Smart Growth, Environmental Impact Analysis, and other comprehensive planning models studied.

Public & Environmental Affairs 351: Water Resources: Planning, Management & Policy (undergraduate); Department: Public & Environmental Affairs

This course will cover the basics of water management and planning, covering local to global examples of such things as surface water pollution, mining of fossil aquifers, water wars at regional, interstate, and international levels.

Public & Environmental Affairs 378: Environmental Law (undergraduate); Department: Public & Environmental Affairs

An overview of major environmental laws such as the Clean Air and Clean Water Acts, with emphasis on how these laws are implemented by the federal and state governments.

***Public & Environmental Affairs 380: Global Environmental Politics and Policy (undergraduate); Department: Public & Environmental Affairs**

This course explores the transnational and international context of environmental politics and policy. Particular focus areas include the causes of environmental harm, the meaning of sustainability, and the relevance of new environmental actors on the global stage.

Public & Environmental Affairs 402: Environmental & Natural Resource Economics (undergraduate); Department: Public & Environmental Affairs

Applications of tools such as cost-benefit analysis and other economic concepts in current public decision making, with special emphasis upon common property resources management.

Public & Environmental Affairs 490: Environmental Management & Business Institute Coop/Experience (undergraduate); Department: Public & Environmental Affairs

Required component of the Certificate in Environmental Sustainability and Business. Enrolled students will be placed by EMBI in a business, nonprofit, or governmental setting that involves interdisciplinary problem solving within an environmental sustainability context. This will be a special co-op/internship/project experience.

Public & Environmental Affairs 522: Environmental Planning (graduate); Department: Public & Environmental Affairs

History, processes, and impacts of environmental planning in the United States. Action forcing legislation and its effect on environmental issues and processes. Emphasizes environmental planning and implementation at the national, state, and local levels.

Public & Environmental Affairs 551: Water Resources Policy and Management (graduate); Department: Public & Environmental Affairs

This course will cover the basics of water management and planning, covering local to global examples of such things as surface water pollution, mining of fossil aquifers, water wars at regional, interstate, and international levels.

Public & Environmental Affairs 578: Environmental Law (graduate); Department: Public & Environmental Affairs

An overview of major environmental laws such as the Clean Air and Clean Water Acts, with emphasis on how these laws are implemented by the federal and state governments.

Public & Environmental Affairs 602: Environmental and Resource Economics (graduate); Department: Public & Environmental Affairs

Applications of tools such as cost-benefit analysis and other economic concepts in current public decision making, with special emphasis upon common property resources management.

Public & Environmental Affairs 783N: Natural Resources Policy, Law and Administration (graduate); Department: Public & Environmental Affairs

This course examines public land and resources policy, law and administration from multiple perspectives. It covers environmental and administrative decision making and various contemporary resource management problems and conflicts. A number of substantive policy areas are examined including national forests, public rangelands, wildlife and biodiversity, and protected areas, among others. These substantive areas are approached and analyzed in a number of different ways.

Urban & Regional Studies 305 - Urban Politics and Policy (undergraduate); Department: Urban & Regional Studies

Structures and operations of city governments and their responses to policy issues such as education, employment, social welfare, housing, transportation, migration, racial discrimination, urban sprawl and social inequality.

Urban & Regional Studies 309 - Urban and Regional Economics (undergraduate); Department: Urban & Regional Studies

Basic concepts in the economics of regions and urban areas, such as industrial location theory, centra place theory, land rent theory, economic base theory, and input-output analysis; applications to problems of economic development, urbanization and place prosperity.

Urban & Regional Studies 310 - Urban Sociology (undergraduate); Department: Urban & Regional Studies

The study of social life and population groups in the urban environment. Our concern is with the social and psychological consequences of city life and the political and economic forces which have produced the industrial and corporate cities of the present day. Other topics include theories of "community," the location of industrial and commercial areas, the distribution of racial and ethnic groups, and urban problems such as poverty, housing, and public services.

Urban & Regional Studies 313 - The City Through Time and Space (undergraduate); Department: Urban & Regional Studies

Analysis of human settlement and the influence of social, economic and technological change on urban structure and the aesthetic qualities of city scapes in historical and cross-cultural settings.

Urban & Regional Studies 341 - The City and its Regional Context (undergraduate); Department: Urban & Regional Studies

The course will focus on two main interrelated themes in urban geography. It will explore urban places as systems operating as an entity among other cities and the surrounding region. Second, it will explore social construction of urban morphology.

Urban & Regional Studies 351 - Transportation and the City (undergraduate); Department: Urban & Regional Studies

The impact of the transportation subsystem of the city upon other urban subsystems (residential, commercial) and upon urban dwellers.

Urban & Regional Studies 412 - Urban and Regional Planning (undergraduate); Department: Urban & Regional Studies

Examines planning theory, focusing on models of rationality, valuation processes, political decision-making, governmental structure and fiscal policies.