

UofL EnviroCourses

**Environmental Undergraduate and Graduate Course Offerings
(Last updated June 2008)**

Please email additions/corrections to CENVIRED@louisville.edu



Note to Students:

The courses in this listing are not comprehensive and are subject to change. Many courses are offered only fall or spring semester; many are not offered every year. Also, departments often have “topics” courses which are offered only once and can sometimes contain an environmental theme. Please contact the appropriated departments for more information.

Both undergraduate and graduate courses are listed.

This list was put together by student volunteers. The maintenance of this list is dependent upon your input. We appreciate any and all comments, additions, and modifications that will help provide quality information.

Thank you!

UofL Center for Environmental Education

College and Programs Represented

Arts and Sciences, College of

Anthropology, Department of
Biology, Department of
Fine Arts, Department of
Geography and Geosciences, Department of
History, Department of
Pan-African Studies, Department of
Philosophy, Department of
Physics, Department of
Political Science, Department of
Psychology, Department of
Sociology, Department of

Education and Human Development, College of

Health and Sport Sciences, Department of
Teaching and Learning, Department of

Engineering, J B Speed School of

Chemical Engineering, Department of
Civil & Environmental Engineering, Department of
Industrial Engineering, Department of
Mechanical Engineering, Department of

Public Health and Information Sciences, School of

Epidemiology and Population Health, Department of
Public & Environmental Health, Department of

Urban and Public Affairs, School of

Public Administration
Urban and Public Affairs
Urban Planning

ARTS AND SCIENCES, COLLEGE OF

Anthropology, Department of

Undergraduate catalogue

ANTH 332 Ecology, Politics and Culture (3.0)

Examines the interaction between natural environments, sociocultural systems and power relations. Uses case studies from around the globe to illustrate this interaction.

Department of Biology

Undergraduate catalogue

BIOL 263 Environmental Biology – S (3.0)

Does not count toward biology major. A study of the biological principles of environmental effects on living organisms; emphasis on ecological relationships of man, including resource exploitation, pollution, environmental degradation, and human behavior.

BIOL 301 Introduction to Ecology (3.0)

Prerequisites: BIOL 240 and BIOL 242 and BIOL 244. A general introduction to physiological, population, community, and ecosystem ecology.

BIOL 302 Introduction to Ecology: Laboratory (2.0)

Prerequisite: Successful completion of or concurrent enrollment in BIOL 301. Discussion, laboratory, and field experiments to illustrate ecological principles, elementary statistics, and experimental design.

BIOL 363 Principles of Ecology (3.00)

Prerequisites: BIOL 240, 242, 244. A majors core course providing an overview of the basic principles and concepts of Ecology and an understanding of how those principles and concepts can aid in identifying and seeking solutions for human environmental problems.

BIOL 372 Evolutionary Ecology of Disease (3.0)

Prerequisites: BIOL 240, BIOL 242, or consent of instructor. An overview of genetic, parasitic, and environmental causes of disease; topics include evolution of virulence and antibiotic resistance, emerging diseases, and options for controlling disease.

BIOL 410 Applied Ecology – WR (3.0)

Prerequisite: BIOL 301-302. Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Lecture, laboratory, and field experience. Review of environmental impacts on ecological systems and the methods for assessing and solving problems. Lecture, laboratory, and field experience.

BIOL 440 Global Change Ecology (3.0)

Prerequisites: BIOL 301 or GEOS 363 or GEOS 365. Effects of altered atmospheric chemistry, changing landscapes, and exotic species invasions on global climate,

biogeochemical cycling, biodiversity and newly emerging human diseases. Fall, every year.

BIOL 522 Aquatic Ecology (4.0)

Note: Credit may not be earned in both 522 and 622. Prerequisites: BIOL 301 or consent of instructor. 2 lecture, 4 lab or field. Introduction to anatomy, physiology, ecology, distribution, economic importance, and classification of major groups and representative local species of fish. Fall, alternate years.

BIOL 524 Stream Ecology (4.0)

Prerequisites: BIOL 301 or permission of instructor. Note: Credit may not be earned in both 524 and 624. 2 lecture, 2 lab or field. not be earned in both. Ecological processes in aquatic environments with primary emphasis on lakes and reservoirs.

BIOL 560 Ecology of Urban and Suburban Landscapes (3.0)

Prerequisites: BIOL 301 or GEOS 365. Effects of cities and suburban sprawl on air and water chemistry, microclimate, fragmented landscapes, and responses of metapopulations and biotic communities to these conditions.

BIOL 562 Ecosystems Ecology (3.0)

Prerequisite: BIOL 301; an advanced ecology course recommended. Note: Credit may not be earned in both 562 and 662. The transformations of matter and energy that link plant, animal and geochemical cycles. Implications for resource management also discussed. Spring, alternate years.

BIOL 563 Population and Community Ecology (3.0)

Prerequisite: BIOL 301. Note: Credit may not be earned in both 563 and 663. Introduction to population dynamics and species interactions in aquatic and terrestrial ecosystems. Review of underlying ecological theory and its applications for conserving biodiversity. Spring, alternate years.

Graduate catalogue

BIOL 522 Aquatic Ecology (2.0 lecture, 4.0 lab or field)

Prerequisite: BIOL 301 or consent of instructor. Ecological processes in aquatic environments with primary emphasis on lakes and reservoirs. Credit may not be earned in both 522 and 622. Fall, even numbered years.

BIOL 524 Stream Ecology (2.0 lecture, 2.0 lab or field.)

Prerequisite: BIOL 302 or permission of instructor. Introduction to physical and biological properties of streams, with emphasis on the ecology of stream communities. Focus on basic research methods with field and laboratory projects. Credit may be earned in both 524 and 624.

BIOL 562 Ecosystems Ecology (3.0)

Prerequisite: BIOL 301; an advanced ecology course recommended. The transformations of matter and energy that link plant, animal and geochemical cycles. Implications for resource management also discussed. Credit may not be earned in both 562 and 662. Spring, even-numbered years.

BIOL 563 Population and Community Ecology (3.0)

Prerequisite: BIOL 301. Introduction to population dynamics and species interactions in aquatic and terrestrial ecosystems. Review of underlying ecological theory and its applications for conserving biodiversity. Credit may not be earned in both 563 and 663. Spring, odd-numbered years.

BIOL 567 Conservation Biology (3.0)

Prerequisite: BIOL 301. Note: Credit may not be earned for both 567 and 667. Theory and practice of conservation. Topics include biodiversity, habitat loss, the effects of habitat changes on populations, and the design and establishment of reserves.

BIOL 660 Advanced Ecology of Urban and Suburban Landscapes (4.0)

Effects of cities and suburban sprawl on air and water chemistry, microclimate, fragmented landscapes, and responses of metapopulations and biotic communities to these conditions.

BIOL 662 Advanced Ecosystems Ecology (3.0)

The transformations of matter and energy that link plant, animal and geochemical cycles. Lectures concurrent with BIOL 562; advanced material or independent required for students enrolling in 662. Credit may not be earned in both 562 and 662. Spring, even-numbered years.

BIOL 663 Advanced Population and Community Ecology (3.0)

Prerequisites: Introduction to Ecology (BIOL 301). Introduction to population dynamics and species interactions in aquatic and terrestrial ecosystems. Review of underlying ecological theory and its applications for conserving biodiversity. Lecture concurrent with Biology 563; more advanced material through requirement of independent study or research project. Credit may not be earned in both 563 and 663. Spring, odd-numbered years.

BIOL 667 Advanced Conservation Biology (3.0)

Prerequisite: Introduction to Ecology (BIOL 301). Theory and practice of conservation. Topics include biodiversity, habitat loss, the effects of habitat changes on populations, and the design and establishment of reserves. Lecture concurrent with Biology 568; more advanced material or independent study or research project. Credit may not be earned for both 558 and 668.

Fine Arts, Department of

Undergraduate courses:

ART 568 Building Systems (3.0)

Prerequisites: ART 361; BFA Candidacy or faculty consent. Note: Formerly taught as Environmental Systems. 1.5 hrs. lect., 1.5 hrs. lab.

Geography and Geosciences, Department of

Geosciences

Undergraduate catalogue

GEOS 200 The Global Environment - S (3.0)

An introduction to the global environment, emphasizing the evolution and interaction of Earth's atmosphere, hydrosphere, lithosphere and biosphere; energy and material cycles, and global change.

GEOS 305 Energy and Mineral Resources (3.0)

A study of the nonrenewable resources of the earth and how man uses these resources for materials and energy.

GEOS 363 Climatology (3.0)

Prerequisites: GEOS 200 or 220. Note: Fall only. The scientific study of climate elements and controls emphasizing the global distribution of climate types and factors that give rise to their distribution.

GEOS 564 Hydrology (3.0)

Prerequisite: GEOG 200 or GEOS 201, or consent of instructor.

Advanced study of the hydrologic cycle, drainage basin analysis, stream flow and flooding, pollution and utilization of water resources.

GEOS 565 Natural Hazards (3.0)

Prerequisites: GEOS 200 or 301. Environmental significance of natural hazards, risk assessment methods. A discussion of earthquakes, flooding; landslides/expansive soil and volcanic eruptions. Hazards reduction and mitigation strategies.

Graduate catalogue

GEOS 564 Hydrology (3.0)

Prerequisite: GEOG 200 or GEOS 301. Advanced study of the hydrologic cycle, drainage basin analysis, stream flow and flooding, pollution and utilization of water resources.

GEOS 565 Natural Hazards (3.0)

Prerequisite: GEOS 200 or GEOS 301. Environmental significance of natural hazards, risk assessment methods. A discussion of earthquakes, flooding; landslides/expansive soil and volcanic eruptions. Hazards reduction and mitigation strategies.

Geography

Undergraduate catalogue

GEOG 300 Globalization and Diversity - CD2 (3.0)

A contemporary approach to world regional geography that focuses on human diversity and the geographic changes that accompany today's rapid rate of globalization.

GEOG 361 Human Societies and Environments -WR (3.0)

Prerequisite: Natural Sciences general education requirements. Note: Approved for the Arts and Sciences upper-level requirement. in written communication (WR). An inquiry into the human impact on the environment and human adjustment to environmental disruptions.

GEOG 521 Medical Geography (3.0)

Prerequisites: Faculty Consent. Introduction to concepts, methods and tools used to investigate geographic aspects of health and disease. Application of concepts and methods through analysis of health, population and environmental data.

GEOG 522 GIS and Public Health (3.0)

Prerequisites: Consent of instructor. Application of tools and methods of analysis in geographic information systems (GIS) to public health. Use of ArcGIS software to manage and analyze health, census and spatial data.

GEOG 550 The Greater Louisville Region (3.0)

Prerequisite: GEOG 328 or consent of instructor. Directed field study of urban problems in the greater Louisville region and vicinity, including population, migration, transportation, and pollution.

Graduate catalogue

GEOG 520 Geography and Nutrition Among African and African- American Populations (3.0)

Prerequisite: Consent of instructor. Note: Cross-listed with PAS 560. Comparison of geographical conditions, food culture, technology and socioeconomic factors among Africans and African-Americans affecting health and nutrition.

GEOG 521 Medical Geography (3.0)

Prerequisites: Faculty Consent. Introduction to concepts, methods and tools used to investigate geographic aspects of health and disease. Application of concepts and methods through analysis of health, population and environmental data.

GEOG 522 GIS and Public Health (3.0)

Prerequisites: Consent of instructor. Application of tools and methods of analysis in geographic information systems (GIS) to public health. Use of ArcGIS software to manage and analyze health, census and spatial data.

GEOG 549 Special Topics in Environmental Analysis Applications in GIS (3.0)

Prerequisite: GEOG 357 or equivalent. Introduction to the application of GIS to environmental problem solving. NOTE: May be repeated if topics vary.

GEOG 550 The Greater Louisville Region (3.0)

Prerequisite: GEOG 328 or consent of instructor. Directed field study of urban problems in the greater Louisville region and vicinity, including population, migration, transportation, and pollution.

GEOG 561 Urban Environmental Quality (3.0)

Prerequisite: Consent of instructor. A study of environmental aspects of urban areas and analysis of inter- and intra-city variations in environmental quality.

History, Department of

Undergraduate catalogue

HIST 313 Comparative Environmental History (3.0)

A comparative study of the historical roots of environmental issues in the U.S. and other regions of the world.

HIST 508 American Environmental History -WR (3.0)

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Relationship between economic development and environmental change, focusing on America, precolonial to present.

Graduate catalogue

HIST 508 American Environmental History -WR (3.0)

Note: Approved for the Arts and Sciences upper-level requirement in written communication (WR). Relationship between economic development and environmental change, focusing on America, precolonial to present.

Pan-African Studies, Department of

Undergraduate Catalog

PAS 384 Disease, Ecology and Environmental Management in Africa - WR (3.0)

Note: Crosslisted with GEOG 362. Note: Approved for the Arts and Sciences upper level requirement in written communication (WR). Relationship between disease agents, and human and physical environment in Africa. Impact of urbanization, industrial pollution and multinational corporations on disease causation and distribution. (Social Sciences)

Pan-African Studies, Department of

Undergraduate Catalog

PHIL 328 Environmental Ethics (3.0)

Examination of the moral status of the natural environment and ethical problems of human/environment interaction.

Political Science, Department of

Undergraduate Catalog

POLS 426 Environmental Policy (3.0)

Political dynamics and choices affecting American and international environmental policy.

Sociology, Department of

Undergraduate Catalog

SOC 315 Environmental Sociology (3.0)

Problem identification, policy formulation, and agenda implementation examined from an environmental and developmental perspective. Review of institutions, processes, and social conflict.

EDUCATION AND HUMAN DEVELOPMENT, COLLEGE OF

Health and Sport Sciences, Department of

Undergraduate Catalog

HSS 263 Environmental Biology (3.0)

Note: Cross-listed with BIOL 263. A study of the biological principles of environmental effects on living organisms; emphasis on ecological relationships of man, including resource exploitation, pollution, environmental degradation, and human behavior. Does not count toward biology major.

Teaching and Learning, Department of

Graduate catalogue

EDAP 603 The Foxfire Approach to Teaching (3.0)

Note: Cross-listed with EDSD 603. Provides a thorough working knowledge of philosophy and pedagogy found in the Foxfire approach, a learner-centered approach to classrooms. Prepares teachers at all levels to articulate, accept as valuable, and begin to develop the skills necessary to implement the eleven core practices of the Foxfire approach. Designed for teachers of children grades K-12.

EDAP 619 Environmental Education Institute: The Study of Rural and Urban Watersheds (3.0)

Using a watershed as the focus, this course will examine the impact people have on the environment. Through field trips, community speakers, individual and group research, the students will document the aesthetic, cultural and ecological aspects of a watershed. Participants in the course will be able to use the approach modeled in the course with their students on any watershed.

EDAP 651 Expanding Classroom Walls: Forests, Parks, and Backyards (3.0)

Provides information and experience needed to effectively gear the life and earth science concepts and strategies found in a forest or park setting to classroom learning.

EDAP 653 Instructional Procedures in Science: Zoos (3.0)

Provides background information and experience needed to effectively teach animal adaptation, animal endangerment, diversity of lifestyle and the application of these learnings to classroom instruction.

EDAP 665 Science: Biomes and Habitats (3.0)

Focuses on planning and designing lessons in the teaching of life science concepts in the context of the major biomes and habitats of the world.

EDAP 673 Introduction to Environmental Education (3.0)

Examines philosophical, historical, curricular and instructional issues pertaining to the environment and the concept of sustainable development and relates these to outcome-based education.

ENGINEERING, JB SPEED SCHOOL OF

Chemical Engineering, Department of

Undergraduate Catalog

CHE 401 Safety, Health and Environment (1.0)

Prerequisite: CHE 305 and 251. A survey of the common regulations that Chemical Engineers deal with in the process industries, e.g., OSHA, RCRA, TSCA, etc. Overview of safety, health and environmental issues that Chemical Engineers in the process industries must consider.

Graduate catalogue

CHE 509 Environmental Processes and Systems (3.0)

Prerequisites: CEE 309 or (CHE 251 and 305 and 401) or permission of instructor.

Note: Cross-listed with CEE 509. This course examines scientific and engineering aspects of environmental problems, stressing important issues, existing technical solutions and new solutions. The course presents engineering approaches to natural systems and describes techniques to treat/eliminate environmental problems.

CHE 535 Pollution Prevention (3.0)

Prerequisite: For undergraduate students, 4th year undergraduate or 1st year graduate level status in engineering or science, or equivalent is required. Multimedia pollution prevention and waste minimization of hazardous and non-hazardous wastes and emissions: toxics use reduction; source reduction; reuse, reclamation and recycling; product life-cycle analysis; economic evaluation; assessments; planning and management.

Civil & Environmental Engineering, Department of

Undergraduate Catalog

CEE 309 Introduction to Environmental Engineering (3.0)

Prerequisites: CHEM 201, PHYS 298 and 299. This course is intended as an introduction to the basic science and engineering principles that are involved in assessment of environmental quality, in understanding environmental processes and in developing solutions to environmental problems.

CEE 509 Environmental Processes and Systems (3.0)

Prerequisites: CEE 309 or (CHE 251 and 305 and 401) or permission of instructor.

Note: Cross-listed with CHE 509. This course examines scientific and engineering aspects of environmental problems, stressing important issues, existing technical solutions and new solutions. The course presents engineering approaches to natural systems and describes techniques to treat/eliminate environmental problems.

CEE 535 Solid Waste Management (3.0)

Prerequisite: Consent of instructor. Definition of solid wastes; generation rates; recycling and reuse; collection and processing; materials recovery; composting; incineration; energy recovery; landfilling (siting, design, operation, closure); planning and management.

CEE 561 Environmental Analysis of Transportation Systems I (3.0)

Prerequisite: CEE 360 or 460. An examination of the various impacts that transportation systems and projects may have on the natural and human environment. Areas of study

include noise, air quality, and water resources. Relevant laws and regulations, as well as quantitative prediction models, are thoroughly considered.

CEE 581 Environmental Impact Analysis (3.0)

Prerequisite: Fifth-year or graduate standing or permission of instructor. A survey of existing regulations pertaining to environmental control. Organization, powers, and responsibilities of federal, state and local government units. Environmental impact statement preparation. Economic, political, and social implications of environmental problems.

CEE 582 Environmental Engineering Design (3.0)

Prerequisite: Fifth-year or graduate standing or permission of instructor. Design of various environmental treatment systems, sizing and specifications of equipment. Design of process control systems.

CEE 630 Unit Processes in Environmental Engineering (3.0)

Prerequisite: Fifth-year or graduate standing or permission of instructor.

CEE 692 Interactions of the Environment and Society (3.0)

Prerequisite: Permission of instructor.

Graduate catalogue

CEE 509 Environmental Processes and Systems (3.0)

Prerequisites: Introduction to Environmental Engineering (CEE 309) or Physical Chemistry, Material and Energy Balances, and Safety, Health and Environment (CHE 251, 305, and 401) or permission of instructor. Note: Cross-listed with CHE 509. This course examines scientific and engineering aspects of environmental problems, stressing important issues, existing technical solutions and new solutions. The course presents engineering approaches to natural systems and describes techniques to treat/eliminate environmental problems.

CEE 535 Solid Waste Management (3.0)

Prerequisite: Consent of instructor. Definition of solid wastes; generation rates; recycling and reuse; collection and processing; materials recovery; composting; incineration; energy recovery; landfilling (siting, design, operation, closure); planning and management.

CEE 561 Environmental Analysis of Transportation Systems I (3.0)

Prerequisite: Transportation Systems Engineering (CEE 360 or 460). An examination of the various impacts that transportation systems and projects may have on the natural and human environment. Areas of study include noise, air quality, and water resources. Relevant laws and regulations, as well as quantitative prediction models, are thoroughly considered.

CEE 581 Environmental Impact Analysis (3.0)

Prerequisite: Fifth-year or graduate standing or permission of instructor. A survey of existing regulations pertaining to environmental control. Organization, powers, and responsibilities of federal, state and local government units. Environmental impact statement preparation. Economic, political, and social implications of environmental problems.

CEE 582 Environmental Engineering Design (3.0)

Prerequisite: Fifth-year or graduate standing or permission of instructor. Design of various environmental treatment systems, sizing and specifications of equipment. Design of process control systems.

CEE 674 Water Resources Systems (3.0)

Application of systems analysis techniques in the planning and design of water resources projects; mathematical optimization; simulation and risk-based decision-making.

CEE 675 Surface Water Quality Modeling (3.0)

Prerequisite: Consent of instructor. Modeling, design and control of water quality in river, lake, and estuary systems; dissolved oxygen and toxic substance models; and lake eutrophication.

CEE 692 Interactions of the Environment and Society (3.0)

Prerequisite: Permission of instructor. A broad treatment of environmental problems especially tailored to elementary, middle and high school teachers, emphasizing the social and economic impact of environmental problems on our society. Special attention will be devoted to developing educational portfolios specific to environmental problems for possible incorporation into elementary, middle, and high school course context. Topics of discussion will include water quality, air quality, solid waste disposal, environmental law, noise pollution, and environmental health planning.

Industrial Engineering, Department of

Graduate catalogue

IE 681 Human Performance (3.0)

Prerequisite: Human Factors Engineering (IE 480). The effect of physical environment on human sensory, motor, and information processes. Topics include heat, noise, light, vibration, sleep loss, illness, work load, work durations, and work-rest scheduling.

Mechanical Engineering, Department of

Graduate catalogue

ME 580 Air Pollution Control (3.0)

Prerequisite: CHEM 202, ME 310 or equivalent. Origin and fate of air pollutants, combustion and pollutant formation processes, control of emissions of gaseous and particulate pollutants and design of various pollution control devices.

PUBLIC HEALTH AND INFORMATION SCIENCES, SCHOOL OF

Public & Environmental Health, Department of

Graduate catalogue

PHEH 600 Introduction to Environmental and Occupational Health (3.0)

Students in course must be enrolled at the School of Public Health and Information Sciences OR obtain permission from instructor. This course will provide students with the basic concepts and principles of environmental health.

PHEH 620 Global Issues in Environmental and Occupational Health (3.0)
Prerequisites: Introduction to Environmental Health (PHEH 600). Course will focus on the nature, impact and determinants of health problems among disadvantaged populations in developing countries.

PHEH 650 Advanced Topics in Environmental and Occupational Health (3.0)
Prerequisites: Introduction to Environmental Health (PHEH 600). Course will build upon principles acquired in the introductory course by presenting advanced concepts on environmental and occupational health as novel factors that may constitute a risk to humans in developed and industrialized countries. Students in course must be enrolled at the School of Public Health and Information Sciences OR obtain permission from instructor.

URBAN AND PUBLIC AFFAIRS, SCHOOL OF

Public Administration

Graduate catalogue

PADM 627 Environmental Policy (3.0)
Note: Crosslisted with PLAN 620, UPA 679 & POLS 627. Survey of environmental issues and policies designed to address these issues.

PADM 630 Environmental Policy and Natural Hazards (3.0)
Note: Crosslisted with PLAN 623 and UPA 687. Explores the relationship of environmental policy and planning with natural hazards and disasters, with an emphasis on preparation for and mitigation of impacts.

PADM 640 Urban Economics (3.0)
Prerequisites: PLAN 500, ECON 500, or consent of instructor. Note: Crosslisted with ECON 605, UPA 603 & PLAN 603. Application of economic theory to urban policy issues including metropolitan development and job creation, poverty, crime, transportation, environment, spatial structure, and other issues.

PADM 645 Economic Development (3.0)
Note: Crosslisted with POLS 603, PLAN 626, & UPA 640. The use and application of static and dynamic models for urban community development. Includes economic base industry and firm location models, and community growth. Topics include transportation, energy, pollution, income distribution, and employment.

Urban and Public Affairs

Graduate catalogue

UPA 603 Urban Economics (3.0)
Prerequisites: PLAN 500, ECON 500, or consent of instructor. Note: Crosslisted with PADM 640, ECON 605, and PLAN 603. Application of economic theory to urban policy issues including metropolitan development and job creation, poverty, crime, transportation, environment, spatial structure, and other issues.

UPA 640 Economic Development (3.0)

Crosslisted with: PADM 645, PLAN 626 & POLS 603. The use and application of static and dynamic models for urban and community development. Includes economic base, industry and firm location models, and community growth. Topics include transportation, energy, pollution, income distribution, and employment.

UPA 679 Environmental Policy (3.0)

Note: Crosslisted with PADM 627, POLS 627 & PLAN 620. Survey of environmental issues and policies designed to address those issues.

UPA 683 Land Use Planning (3.0)

Note: Crosslisted with PLAN 607. This course provides an understanding of the history and current characteristics of land use planning and policy. Topics include the comprehensive plan, regulatory controls such as zoning, fiscal mechanisms of control, land use and environmental disputes, regional planning and growth management.

UPA 687 Environmental Policy and Natural Hazards (3.0)

Note: Crosslisted with PADM 630 & PLAN 623. Explores the relationship of environmental policy and planning with natural hazards and disasters, with an emphasis on preparation for and mitigation of impacts.

Urban Planning

Graduate catalogue

PLAN 603 Urban Economics (3.0)

Prerequisites: PLAN 500, ECON 500 or consent of instructor. Note: Crosslisted with ECON 605, UPA 603, and PADM 640. Application of economic theory to urban policy issues including metropolitan development and job creation, poverty, crime, transportation, environment, spatial structure, and other issues.

PLAN 607 Land Use Planning (3.0)

Note: Crosslisted with UPA 683. This course provides an understanding of the history and current characteristics of land use planning and policy. Topics include the comprehensive plan, regulatory controls such as zoning, fiscal mechanisms of control, land use and environmental disputes, regional planning, and growth management.

PLAN 620 Environmental Policy (3.0)

Note: Crosslisted with PADM 627, UPA 679 & POLS 627. Survey of environmental issues and policies designed to address those issues.

PLAN 623 Environmental Policy and Natural Hazards (3.0)

Note: Crosslisted with PADM 630 and UPA 687. Explores the relationship of environmental policy and planning with natural hazards and disasters, with an emphasis on preparation for and mitigation of impacts.