200 Introduction to Environmental Studies
Fall, Spring, 3(3-0)
Interdisciplinary nature of environmental and natural resource issues.

201 Environmental and Natural Resources
Fall, Spring, 3(3-0)
Physical, economic, and institutional aspects of natural resource and environmental policy. US doctrines for land, water, mineral, and environmental resource management.

207 Great Lakes: Biology and Management
Fall, 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Department of Fisheries and Wildlife.
Living aquatic resources of the Great Lakes: environmental history, biological resources and their management. Policy issues.

211 Introduction to Gender and Environmental Issues
Spring, 3(3-0) Interdepartmental with Fisheries and Wildlife; Forestry; Environmental Economics and Policy; Women's Studies. Administered by Department of Fisheries and Wildlife. R: Not open to freshmen. SA: PRM 211

315 Applications of Survey Research
Fall, Spring, 3(3-0) P:M: Completion of Tier I writing requirement. SA: PRM 310, RD 310
Alternative dispute resolution and environmental conflicts.

316 Land Use and Natural Resource Management
Spring, 3(3-0) RB: (RD 200)

320 Resource Management and Planning
Fall, 3(3-0) RB: (RD 200)

324 Water Resource Management
Spring, 3(3-0) P:M: (BS 110)
Biophysical, community and institutional components of comprehensive water resources management. Biophysical and social processes that control the quality and quantity of aquatic resources at the watershed level.

415 Environmental Impact Assessment
Fall, 4(3-2) P:M: (ZOL 355 or concurrently) Environmental impact assessment of proposed projects and plans. Regulatory frameworks and project management. Multi-disciplinary project-based laboratory including field work.

419 Applications of Geographic Information Systems to Natural Resources Management
Spring, 4(2-4) Interdepartmental with Fisheries and Wildlife; Forestry; Geography; Park, Recreation and Tourism Resources; Biosystems Engineering. Administered by Department of Fisheries and Wildlife. RB: (GEO 221)
The application of geographic information systems, remote sensing, and global positioning systems to integrated planning and management for fish, wildlife, and related resources.

431 Law and Social Change
Spring, 3(3-0) Interdepartmental with Environmental Economics and Policy. R: Open only to juniors or seniors or graduate students. SA: PRM 430
Legal principles applied to the environment and natural resources. Sovereignty, property rights, land and water use, jurisdiction, public trust doctrine, wetland law, and eminent domain. Case and statutory law analysis.

433 Law and Social Change
Spring, 3(3-0) Interdepartmental with Environmental Economics and Policy; Sociology. RB: (RD 301 or RD 336 or GBL 395) R: Open only to juniors or seniors. SA: PRM 433
Function of law in a modern society. Concepts of power, public regulation, civil rights, and property rights. Limits on freedom.
Environmental Policy Making in Michigan Spring, 3(3-0) Interdepartmental with Environmental Economics and Policy. RB: (RD 200 or EEP 201 or PLS 100 or PLS 301 or PLS 324) SA: PRM 440

State legislative process and its role in environmental policy formulation. Influence of lobbying, grass roots environmental movements, and economic factors.

Concepts of Biological Information Systems Spring, 3(3-0) Interdepartmental with Entomology. Administered by Department of Entomology. R: Open only to seniors or graduate students.

Systems approach to managing biological information using computer technology.

Pesticides, People and Politics Fall, 3(3-0) RB: Completion of Tier I writing requirement. One course in a biological or physical or social science. Comparative state, national, and international policy issues and politics related to pesticide regulations and use in industrialized and non-industrialized countries.

Environmental Issues and Public Policy Fall, Spring, 3(3-0) Interdepartmental with Zoology. Administered by Department of Zoology. R: Not open to freshmen or sophomores.

Interrelationship of science and public policy in resolving environmental issues. Technical, social, economic, and legal influences. Case study approach.

Watershed Concepts Fall, Spring, Summer. 3(3-0) Interdepartmental with Biosystems Engineering; Crop and Soil Sciences; Forestry; Fisheries and Wildlife. P.M. (RD 324 and ZOL 355) RB: organic chemistry

Watershed hydrology and management. The hydrologic cycle, water quality, aquatic ecosystems and social systems. Laws and institutions for managing water resources.

Natural Resource Economics Spring, 3(3-0) Interdepartmental with Environmental Economics and Policy; Park, Recreation and Tourism Resources; Biosystems Engineering. P.M.: (EC 201) and (RD 302 or EEP 255)

Economic framework for analyzing natural resource management decisions. Spatial and inter-temporal allocation of renewable and nonrenewable resources. Special emphasis on institutions, externalities, and public interests in resource management.

Natural Resource Economics and Social Science (W) Fall, 3(2-2) Interdepartmental with Forestry; Fisheries and Wildlife; Park, Recreation and Tourism Resources. Administered by Department of Forestry. P.M: (EC 201 or EC 202) and completion of Tier I writing requirement. R: Not open to freshmen or sophomores.


Natural Resources Planning and Policy Spring. 3(2-2) Interdepartmental with Forestry; Fisheries and Wildlife; Park, Recreation and Tourism Resources. Administered by Department of Forestry. R: Open only to seniors or graduate students in the Department of Forestry or Department of Fisheries and Wildlife or Department of Park, Recreation and Tourism Resources or Department of Resource Development.

Scientific, environmental, social, and institutional factors affecting planning and policy-making. Focus on ecosystem-based planning and policy issues through development of a multiple-use plan. Case studies.

Theory and Practice in Community and Economic Development Spring. 3(3-0) Interdepartmental with Environmental Economics and Policy; Sociology. R: Open only to juniors or seniors. SA: PRM 470

Concepts, principles, models, and skills for community and economic development. Community participation in local development initiatives.

Environmental Studies Abroad Fall, Spring, Summer. 1 to 6 credits. Fall: various sites. Spring: various sites. Summer: various sites. A student may earn a maximum of 12 credits in all enrollments for this course. R: Not open to freshmen. Approval of department; application required. Contemporary problems affecting natural resource management outside the United States. Ecological, socio-dynamic, and cultural influences on environmental management. Study-travel experience.

Independent Study Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to juniors or seniors. Approval of department; application required.

Individual supervised study of selected topics.

Special Topics in Resource Development Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to juniors or seniors.

Selected issues in resource development derived from current resource policy changes, or other emerging topics of interest.

Professional Internship in Resource Development Fall, Spring. Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors or seniors in the Department of Resource Development. Approval of department; application required. A student may earn a maximum of 6 credits in all enrollments for any or all of these courses: ABM 493, AEE 493, ANR 493, ANS 493, CSS 493, EEP 493, FIM 493, FW 493, HRT 493, PKG 493, PLP 493, PRR 493, and RD 493.

Supervised professional experiences in agencies and businesses related to resource development.

Senior Seminar Spring. 2(2-0) R: Open only to seniors in the Environmental Studies and Applications major.

Examples and practice in directing change and resolving issues by anticipating resource problems. Analysis and application of policy alternatives. Preparation of position papers.