

- 211 Introduction to Gender and Environmental Issues**
Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife; Forestry; Resource Development; Women's Studies. Administered by Department of Fisheries and Wildlife. R: Not open to freshmen.
The concept of gender. Overview of environment and habitat. Historical gender roles in environmental management. Gender-based theoretical perspectives. Case studies on developing and developed countries. Environmental management with emphasis on fisheries, wildlife and wetlands. Women environmental professionals.
- 255 Ecological Economics**
Fall, Spring. 3(3-0) P:NM: (EC 201)
Relationship between the economy and the natural environment. Economic organization and sustainability. Economic concepts applied to natural resources and agriculture.
- 260 World Food, Population and Poverty**
Fall. 3(3-0)
Description and analysis of world food, population and poverty problems. Interrelationships between developed and developing countries.
- 320 Environmental Economics**
Spring. 3(3-0) P:M: (PRM 255)
Analytical methods for evaluating economic impacts of environmental policies and understanding the economic causes of environmental problems.
- 335 Taxes, Government Spending and Public Policy**
Fall, Spring, Summer. 3(3-0) Interdepartmental with Economics. Administered by Department of Economics. P:M: (EC 201 or EC 251H) Not open to students with credit in EC 435 or EC 436.
Economics of the public sector. Public goods, externalities, design and incidence of the tax system. Equity and efficiency effects of government programs.
- 404 Public Sector Budgeting and Program Evaluation (W)**
Spring. 3(3-0) P:M: Completion of Tier I writing requirement. P:NM: (EC 201 or EC 202) and (STT 200 or STT 201 or STT 315) R: Not open to freshmen or sophomores.
Structure and finance of government. Approaches to public sector budgeting. Evaluation of output of programs and community services. Impact and multiple outcome analysis.
- 405 Corporate Environmental Management**
Fall. 3(3-0) Interdepartmental with Agribusiness Management. P:M: (PRM 255 or ABM 332 or MGT 315 or MGT 325)
Integration of environmental protection and pollution prevention with business management. Economic and strategic analysis of environmental protection.
- 430 Law and Resources**
Fall. 3(3-0) Interdepartmental with Resource Development; Forestry. Administered by Department of Resource Development. P:NM: (RD 301) R: Open only to juniors or seniors or graduate students.
Legal principles applied to natural resource use. Sovereignty, property rights, land and water use, jurisdiction, public trust doctrine, fish and game law, mineral rights, and eminent domain. Case and statutory law analysis.
- 433 Law and Social Change**
Spring. 3(3-0) Interdepartmental with Resource Development; Sociology. Administered by Department of Resource Development. P:NM: (RD 301 or RD 336 or GBL 395) R: Open only to juniors or seniors.
Function of law in a modern society. Concepts of power, public regulation, civil rights, and property rights. Limits on freedom.
- 440 The Resource Development Policy Process in Michigan**
Spring. 3(3-0) Interdepartmental with Resource Development. Administered by Department of Resource Development. P:NM: (RD 200 or PRM 201 or PLS 100 or PLS 301 or PLS 324)
Public policy formation related to environmental and economic development issues at state and community levels. Observation and analysis of actual proceedings. Field trips required.
- 453 Women and Work: Issues and Policy Analysis**
Spring. 3(3-0) Interdepartmental with Economics; Women's Studies. P:NM: (EC 201 or EC 202 or PRM 201 or concurrently) R: Not open to freshmen or sophomores.
Current and past quantity and quality of women's participation in the labor force. Gender differentials in earnings and occupations. Employment discrimination. Laws, especially affirmative action laws. Social policy effects. International issues.
- 460 Resource and Environmental Economics**
Spring. 3(3-0) Interdepartmental with Resource Development; Park, Recreation and Tourism Resources; Biosystems Engineering. Administered by Department of Resource Development. P:M: (EC 201) P:NM: (RD 302 or PRM 255)
Economics of land and related environmental resources. Production and consumption processes. Resource allocations and scarcity. Market failure and externalities. Market and institutional remedial approaches.
- 461 Regional Economics**
Fall. 3(3-0) Interdepartmental with Resource Development; Economics. Administered by Department of Resource Development. P:M: (EC 201) P:NM: (RD 200) R: Open only to juniors or seniors.
Location decisions of firms and households. Relevant government policies. Applications of regional analysis to industrial, regional, and community development.
- 470 Theory and Practice in Community and Economic Development**
Fall. 3(3-0) Interdepartmental with Resource Development; Sociology. Administered by Department of Resource Development. P:M: (EC 201 or EC 202)
Concepts, principles, models, and skills for community and economic development. Community participation in local development initiatives.
- 490 Independent and Supervised Study**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 7 credits in all enrollments for this course. P:M: (PRM 201 or PRM 255) R: Open only to Public Resource Management majors. Approval of department; application required.
In-depth independent study of topics affecting public resource management. Complementary with previous coursework, adapted to career aspirations.
- 493 Professional Internship in Public Resource Management**
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:NM: (PRM 201) R: Open only to juniors or seniors in the Public Resource Management major. 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, FIM 493, FW 493, HRT 493, PKG 493, PRM 493, PRR 493, and RD 493.
Supervised professional experience in agencies and businesses related to public resource management.

RADIOLOGY

RAD

Department of Radiology
College of Human Medicine
College of Osteopathic Medicine

- 552 Medical Neuroscience**
Spring. 4(3-2) Interdepartmental with Neurology and Ophthalmology; Physiology; Human Anatomy. Administered by Department of Neurology and Ophthalmology. R: Graduate-professional students in colleges of Human Medicine and Osteopathic Medicine. SA: ANT 552
Correlation of normal structure and function of the human nervous system with clinical testing, classical lesions, and common diseases.
- 553 Introduction to Radiology**
Spring. 1(1-0) R: Graduate-professional students in colleges of Human and Osteopathic Medicine or approval of department.
Principles of medical diagnostic radiology: means of generating diagnostic images, and anatomical and physiological changes that result in such images.
- 590 Independent Study**
Fall, Spring, Summer. 1 to 3 credits. R: Approval of department.
Special aspects of radiology. Imaging as a diagnostic tool in patient management.
- 609 Radiology Clerkship**
Fall, Spring, Summer. 4 to 8 credits. A student may earn a maximum of 32 credits in all enrollments for this course. R: Completion of two years of graduate-professional program in College of Human Medicine or College of Osteopathic Medicine.
Diagnostic imaging consultation. Participation in image interpretation and observation in hospital or out-patient radiology setting.
- 806 Advanced Neuroscience Techniques Laboratory**
Summer. 3(0-9) Interdepartmental with Neuroscience; Psychology; Pharmacology and Toxicology; Physical Medicine and Rehabilitation. Administered by Department of Neuroscience. P:M: (NEU 804 or concurrently) P:NM: (PHM 827 and ANT 839 and PSY 811) R: Open only to doctoral students in the Neuroscience major.
Methods of neuroscience research and the underlying principles on which these methods are based.