

1. Developmental Psychology: Adolescence
 Fall of odd-numbered years. 3(3-0)
 Open only to graduate students in Psychology.
 Research and theory in human psychological development from puberty until adulthood.

2. Developmental Psychology: Adulthood and Aging
 Spring of even-numbered years. 3(3-0)
 Open only to graduate students in Psychology.
 Theoretical perspectives and research findings on human development from early to late adulthood.

1. Neuropsychology
 Fall. 4(4-0)
 Open only to graduate students in Psychology.
 Basic research and theory in neuropsychology of cognition, language, memory, emotion, motor skill, and lateralization of function. Emphasis on human functions.

2A. Neuropsychological Assessment
 Spring of odd-numbered years. 3(3-0)
 PSY 811, PSY 851. R: Open only to graduate students in Psychology.
 Diagnosis of brain injuries through the study of brain behavior processes. Concepts and tools relevant for neuropsychological examinations.

2B. Neuropsychological Assessment Laboratory
 Spring of odd-numbered years. 3 credits.
 PSY 852A concurrently. R: Open only to graduate students in Psychology.
 Theory and clinical interpretation of the Halstead-Reitan Test Battery and selected other neuropsychological tests.

3. Behavior Disorders
 Fall. 4(4-0)
 Open only to graduate students in Psychology.
 Classification, description, and etiology of behavior disorders. Conceptual models, epidemiology, and review of major diagnostic classification systems.

54. Behavior Disorders in Children and Families
 Spring. 4(4-0)
 PSY 853. R: Open only to graduate students in Psychology.
 Developmental psychopathology. Explanations for the development of child behavior disorders.

55. Theory and Practice of Psychotherapy
 Spring. 3(3-0)
 Open only to graduate students in Psychology or Psychology-Urban Studies.
 Theoretical approaches to psychotherapy, and the practical application of techniques derived from these theories. Ethnic and gender issues in therapy.

60. Industrial and Organizational Psychology
 Fall. 3(3-0)
 Open only to graduate students in Psychology.
 Theory, research, and practice in organizational training, development, and behavior.

62. Organizational Psychology and Behavior
 Spring. 3(3-0)
 Open only to graduate students in Psychology.
 Theory and research on individual behavior in complex organizations. Industrial and organizational psychology. Linking macro- and micro- research and theory.

864. Personnel Selection
 Fall of even-numbered years. 3(3-0)
 Open only to graduate students in Psychology.
 Methods and research in personnel selection. Job analysis, performance appraisal, and development of predictors. Evaluating validity, reliability, and utility of selection procedures.

865. Research Methods in Applied Psychology
 Spring. 3(3-0)
 P: PSY 815. R: Open only to graduate students in Psychology.
 Human resource issues and applied research. Measurement problems and issues. Planning, conducting, analyzing, and disseminating applied research.

866. Topics in Personnel Selection and Human Performance
 Fall of odd-numbered years. 3(3-0)
 P: PSY 817. R: Open only to graduate students in Psychology.
 Individual differences in productivity and their implications for organization effectiveness. Theories of human performance. Methods of cumulating research across studies.

870. Ecological-Community Psychology
 Fall. 3(3-0)
 P: PSY 815 or concurrently. R: Open only to graduate students in Psychology.
 Theory, methodology and research in experimental ecological approaches to community psychology. Identifying researchable problems and funding. The dynamics of research teams.

871. History and Theory in Ecological-Community Psychology
 Fall. 3(3-0)
 P: PSY 815 or concurrently. R: Open only to graduate students in Psychology.
 Theoretical perspectives, contemporary problems, philosophies of science, and ethical issues facing the ecological psychologist.

872. Field Research in Psychology
 Spring. 3(2-2)
 P: PSY 815. R: Open only to graduate students in Psychology.
 Unobtrusive, observational, and interview measures. Policy analysis, proposal preparation, and research design.

873. Community Interventions
 Spring. 3(2-2)
 P: PSY 815, PSY 870, PSY 871. R: Open only to graduate students in Psychology.
 Entry and operational issues in community interventions and research. Group dynamics, community politics, intervention integrity.

890. Special Problems in Psychology
 Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course.
 R: Open only to graduate students in Psychology.
 Supervised student research on an experimental, theoretical, or applied problem.

899. Master's Thesis Research
 Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 25 credits in all enrollments for this course.
 R: Open only to graduate students in Psychology.

926. Scientific and Professional Ethics
 Spring of even-numbered years. 3(3-0)
 R: Open only to graduate students in Psychology.
 Ethical issues in human and animal research. Ethical decisions involving issues of gender, ethnicity, and cultural diversity in psychological practice.

950. Dynamic and Systems Approaches to Child and Family Interventions
 Fall. 3(3-0)
 P: PSY 854 or approval of department. R: Open only to graduate students in Psychology, Marriage and Family Therapy, and Counseling Psychology.
 Intervention approaches with children, families and couples. Psychodynamic, experiential, and family systems perspectives. Empirical basis for interventions.

951. Cognitive/Behavioral Approaches to Child and Family Interventions
 Spring of even-numbered years. 3(3-0)
 P: PSY 950.
 Behavioral and cognitive-behavioral psychotherapy. Interventions with couples, families, and children.

961. Training and Organizational Development
 Spring of odd-numbered years. 3(3-0)
 P: PSY 860. R: Open only to graduate students in Psychology.
 Theory and research on identification, development, and evaluation of training activities in organizations. Analysis of organizational functioning and change.

962. Work Motivation and Job Satisfaction
 Fall of odd-numbered years. 3(3-0)
 P: PSY 860. R: Open only to graduate students in Psychology.
 General theories of human motivation, attitudes, and affect. Specific theories of work motivation and job satisfaction.

970. Advanced Topics in Ecological and Community Psychology
 Fall, Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.
 R: Open only to graduate students in Psychology.
 Contemporary ecological and community psychology issues. Program evaluation, systems analysis. Empowerment, social support, and homelessness.

992. Seminar in Psychology
 Fall, Spring. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course.
 R: Open only to graduate students in Psychology.
 Theoretical and research topics in psychology.

994. Practicum
 Fall, Spring. 1 to 3 credits. A student may earn a maximum of 14 credits in all enrollments for this course.
 R: Open only to graduate students in Psychology or Psychology-Urban Studies.
 Clinical assessment, consultation, and psychotherapy. Supervised experience in assessment, consultation, and psychotherapy with adults, families, and children. Didactic seminar in related theory and research.

999. Doctoral Dissertation Research
 Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 50 credits in all enrollments for this course.
 R: Open only to doctoral students in Psychology or Psychology-Urban Studies.

PUBLIC RESOURCE MANAGEMENT PRM

**Department of Agricultural Economics
 College of Agriculture and Natural Resources**

201. Community Economics
 Fall, Spring. 3(3-0)
 Policy analysis of state and local government revenues, services, and private business regulation. Impact on resource use, economic development, income distribution and human values.

Descriptions —Public Resource Management of Courses

211. Introduction to Gender and Environmental Issues

Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife, Resource Development, Women's Studies, and Forestry. Administered by 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: 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
Spring. 3(3-0)

Description and analysis of world food, population and poverty problems. Interrelationships between developed and developing countries.

320. Public Policy Analysis Methods
Fall. 3(3-0)

P: EC 201, PRM 201.

Analytical methods for evaluating the economics of public policies. Conceptual and theoretical approaches to selected policy problems including political and legal aspects.

335. Taxes, Government Spending and Public Policy

Fall, Spring, Summer. 3 credits. Interdepartmental with Economics. Administered by Economics. P: EC 201 or EC 251H. R: 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 Program Evaluation (W)
Spring. 3(3-0)

P: PRM 320; STT 200 or STT 201 or STT 315. R: Not open to freshmen and sophomores. Completion of Tier I writing requirement.

Design and use of program evaluations in public resource management. Impact and multiple outcome analysis. Substantive and statistical significance.

430. Law and Resources

Fall. 3(3-0) Interdepartmental with Resource Development and Forestry. Administered by Resource Development.

P: RD 200; EC 201 or GBL 395.

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 and Sociology. Administered by Resource Development.

P: GBL 395. R: Not open to freshmen.

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 Resource Development.

P: RD 200; 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 and Women's Studies.

P: EC 201 or EC 202 or PRM 201 or concurrently. R: Not open to freshmen and 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; and Biosystems Engineering. Administered by Resource Development.

P: RD 200; EC 201 or EC 202 or PRM 201 or RD 302.

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. 4(3-2) Interdepartmental with Resource Development and Economics. Administered by Resource Development.

P: RD 200; EC 201 or RD 460. R: Not open to freshmen or sophomores.

Location decisions of firms and households. Relevant government policies. Applications of regional analysis to industrial, regional, and community development.

462. Agricultural Development in Less Developed Countries

Fall. 3(3-0) Interdepartmental with Food Systems Economics and Management. Administered by Food Systems Economics and Management.

P: EC 201; PRM 260 recommended. R: Not open to freshmen and sophomores.

Factors responsible for agricultural growth, as well as technical and institutional change. Sustainable strategies for increasing food production and rural incomes.

470. Theory and Practice in Community and Economic Development

Fall. 3(3-0) Interdepartmental with Resource Development and Sociology. Administered by Resource Development.

P: EC 201 or EC 202; RD 200 or approval of department.

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: PRM 201, PRM 320. R: Open only to Public Resource Management majors. Approval of department; application required.

In-depth independent study of topics affecting public resource management. Complimentary with previous coursework, adapted to career aspirations.

RADIOLOGY

RAD

**Department of Radiology
College of Human Medicine
College of Osteopathic Medicine**

552. Medical Neuroscience

Spring. 4(3-2) Interdepartmental with Anatomy and Physiology. Administered by Anatomy.

R: Graduate-professional students in colleges of Human and Osteopathic Medicine.

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 outpatient radiology setting.

RELIGIOUS STUDIES

REL

**Department of Religious Studies
College of Arts and Letters**

101. Exploring Religion

Fall, Spring. 3 credits.

Religion and religions as historical phenomena. Non-textual and textual religions. Theories of the origins and functions of religion. Exemplary voices from various traditions examined in their historical and doctrinal settings.

205. Myth, Self, and Religion

Fall, Spring. 3(3-0)

The mythic quest for meaning, identity, value, and transcendence as seen through religious biography and literary narrative. Myth in relation to religious symbols and life-cycle rituals. Cross-cultural perspective on religious world views and the interpretation of myth as sacred narrative.

210. Religion and Media

Fall. 4 credits.

Portrayal of religion by the media in cultures around the world. Use of the media to promote religious beliefs. Examples from documentary film, television, print media and the internet.

290. Independent Study

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

R: Approval of department.

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.