

Psychology-PSY

- 852B Neuropsychological Assessment Laboratory**
Spring of even years. 3(0-6) R: Open only to graduate students in the Psychology major.
Theory and clinical interpretation of the Halstead Reitan Test Battery and selected other neuropsychological tests.
- 853 Behavior Disorders**
Fall. 4(4-0) R: Open only to graduate students in Psychology.
Classification, description, and etiology of behavior disorders. Conceptual models, epidemiology, and review of major diagnostic classification systems.
- 854 Behavior Disorders in Children and Families**
Spring. 4(4-0) P:NM: (PSY 853) R: Open only to graduate students in Psychology.
Developmental psychopathology. Explanations for the development of child behavior disorders.
- 855 Theory and Practice of Psychotherapy**
Spring. 3(3-0) R: 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.
- 860 Industrial and Organizational Psychology**
Fall. 3(3-0) R: Open only to graduate students in Psychology.
Theory, research, and practice in organizational training, development, and behavior.
- 862 Organizational Psychology and Behavior**
Spring. 3(3-0) R: 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.
- 863 Seminar in Cognitive Science**
Fall, Spring. 1(1-0) A student may earn a maximum of 2 credits in all enrollments for this course. RB: Prior or current graduate-level work in at least one cognitive science related field
Contemporary issues, problems, theories, and data in cognitive science, seen from a variety of perspectives
- 864 Personnel Selection**
Spring of odd years. 3(3-0) R: Open only to graduate students in the Psychology major.
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**
Fall. 3(3-0) P:NM: (PSY 815) R: Open only to graduate students in the Department of Psychology major.
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 years. 3(3-0) P:NM: (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:NM: (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:NM: (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:NM: (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:NM: (PSY 815 and PSY 870 and 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.
Master's thesis research.
- 926 Scientific and Professional Ethics**
Spring of even 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 Advanced Child and Family Interventions**
Fall. 3(3-0) P:NM: (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 years. 3(3-0) P:NM: (PSY 950)
Behavioral and cognitive-behavioral psychotherapy. Interventions with couples, families, and children.
- 961 Training and Organizational Development**
Spring of odd years. 3(3-0) P:NM: (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 years. 3(3-0) P:NM: (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.
Doctoral dissertation research.

PUBLIC RESOURCE MANAGEMENT PRM

Department of Agricultural Economics College of Agriculture and Natural Resources

- 201 Community Economics**
Fall. 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.

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.