

Courses

90. **Research Seminar in Political Methodology**  
 Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 802.  
 Advanced topics in political methodology. Individual research projects.

92. **Research Seminar in Evaluation Research**  
 Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 802.  
 Methods and techniques for evaluating the policies and programs of public and non-profit organizations. Individual research projects.

93. **Policy Analysis Practicum**  
 Fall, Spring, 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 811. R: Approval of department.  
 Field experience in public policy analysis. Work with faculty and public personnel to define and analyze a current public problem.

94. **Research Seminar in Public Policy and Public Administration**  
 Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 810 or PLS 811.  
 Specialized topics in public administration or public policy.

920. **Research Seminar in American Politics**  
 Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 820.  
 Intensive study of one subfield of American politics. Critical evaluation of the literature.

950. **Research Seminar in Comparative Politics**  
 Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 850.  
 Intensive study of one subfield of comparative politics. Critical evaluation of the literature.

960. **Research Seminar in International Politics**  
 Spring, 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 860.  
 Intensive study of one subfield of international politics. Critical evaluation of the literature.

970. **Research Seminar in Political Thought**  
 Spring of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 870.  
 Intensive study of one subfield of political philosophy.

980. **Research Seminar in Formal Theory**  
 Fall of odd-numbered years. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
 PLS 880.  
 Intensive study of one formal modeling technique used in political science research.

993. **Readings in Political Science**  
 Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  
 R: Approval of department.  
 Supervised reading in a subfield of political science, public administration, or public policy.

999. **Doctoral Dissertation Research**  
 Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 50 credits in all enrollments for this course.  
 R: Open only to doctoral students in Political Science or Political Science-Urban Studies.

PORTUGUESE

Department of Romance and Classical Languages  
 College of Arts and Letters

101. **Elementary Portuguese I**  
 Fall, 4(4-1)  
 R: No previous experience in Portuguese or approval of department.  
 Practice in using and understanding Portuguese to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.

102. **Elementary Portuguese II**  
 Spring, 4(4-1)  
 P: PRT 101 or approval of department.  
 Further practice in using and understanding Portuguese to develop listening, speaking, reading, and writing skills. Pronunciation, grammar, vocabulary, and cultural topics.

201. **Second-Year Portuguese I**  
 Fall, 4(4-0)  
 P: PRT 102 or approval of department.  
 Intermediate level review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the Portuguese-speaking world.

202. **Second-Year Portuguese II**  
 Spring, 4(4-0)  
 P: PRT 201.  
 Further review and development of aural comprehension, speaking, reading, and writing skills. Topics in the cultures of the Portuguese-speaking world.

290. **Independent Study**  
 Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 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.

320. **Advanced Portuguese**  
 Fall, 3(3-0)  
 P: PRT 202.  
 Conversation, reading, and writing to develop proficiency.

340. **Topics in Luso-Brazilian Language and Culture.**  
 Spring, 3(3-0)  
 P: PRT 202.  
 Cultural issues related to Portuguese-speaking countries.

490. **Independent Study**  
 Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 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.

PRT

PSYCHIATRY

PSC

Department of Psychiatry  
 College of Human Medicine  
 College of Osteopathic Medicine

591. **Special Problems in Psychiatry**  
 Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course.  
 R: Approval of department.  
 Work under the direction of a faculty member on an experimental, theoretical, or applied problem.

608. **Psychiatry and Behavioral Science Clerkship**  
 Fall, Spring, Summer. 2 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.  
 P: College of Osteopathic Medicine students must have passed all preclinical courses. R: Open only to graduate-professional students in Colleges of Human and Osteopathic Medicine.  
 Supervised practice with in-patient, out-patient, emergency, and community mental health services.

609. **Adult Psychiatry Clerkship**  
 Fall, Spring, Summer. 4 to 16 credits. A student may earn a maximum of 24 credits in all enrollments for this course.  
 P: PSC 608. R: Open only to graduate-professional students in Colleges of Human and Osteopathic Medicine.  
 Subspecialty experiences in psychiatry in clinical settings with adults.

610. **Child Psychiatry Clerkship**  
 Fall, Spring, Summer. 4 to 16 credits. A student may earn a maximum of 24 credits in all enrollments for this course.  
 P: PSC 608. R: Open only to graduate-professional students in Colleges of Human and Osteopathic Medicine.  
 Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

PSYCHOLOGY

PSY

Department of Psychology  
 College of Social Science

101. **Introductory Psychology**  
 Fall, Spring, Summer. 4(4-0)  
 Mind and behavior from biological, individual, and social perspectives. Scientific and professional aspects of psychology.

200. **Cognitive Psychology**  
 Fall, Spring, Summer. 3(3-0)  
 P: PSY 101.  
 Concepts, theories, methods, and research findings in human information processing. Attention, perception, memory, problem solving, decision making, and language comprehension and production.

204. **Lesbian, Bisexual, and Gay Studies: Psychological and Cultural Issues**  
 Spring, 3(3-0) Interdepartmental with Arts and Letters. Administered by Arts and Letters.  
 Nature, origins, and development of sexual orientation and sexual identity in the context of personality, culture, and society. Multicultural and feminist perspectives on the relationship between sexual orientation and gender, race, class, ethnicity, and religion.

209. **Brain and Behavior**  
 Fall, Spring. 3(3-0)  
 P: PSY 101.  
 Relation of structure and function of the nervous system to the biological bases of behavior.

- 235. Social Psychology**  
Fall, Spring, Summer. 3(3-0)  
P: PSY 101. R: Not open to students with credit in SOC 241.  
Major topics, theories, and research findings in social psychology, particularly as viewed from a psychological perspective.
- 236. Personality**  
Fall, Spring, Summer. 3(3-0)  
P: PSY 101.  
Theories of personality, assessment techniques, and research on personality functioning and individual differences in interpersonal behavior. Emphasis on normal behavior.
- 239. Psychology of Women**  
Fall. 3(3-0)  
P: PSY 101.  
Development and implications of sex-typed behavior and sex differences. Women's decisions about and experiences of menstruation, sexuality, motherhood, relationships, achievement, employment, retirement.
- 244. Developmental Psychology: Infancy Through Childhood**  
Fall, Spring, Summer. 3(3-0)  
P: PSY 101.  
Physical, cognitive, emotional, and social development from infancy through childhood.
- 246. Sensitivity to Children I**  
Fall. 3(2-2)  
P: PSY 101. R: To receive credit PSY 246 and PSY 247 must be completed satisfactorily except by prior arrangement with instructor. Not open to students who have completed more than 6 credits of PSY 490 and PSY 491 combined.  
First course of two-semester sequence that emphasizes weekly play with a child and analysis of video-taped sessions. Readings and discussions cover problems faced by parents, teachers and child therapists.
- 247. Sensitivity to Children II**  
Spring. 3(2-2)  
P: PSY 246. R: To receive credit PSY 246 and PSY 247 must be completed satisfactorily except by prior arrangement with instructor.  
Weekly play with a child to understand child development and to increase skills in communicating with children.
- 255. Industrial and Organizational Psychology**  
Fall, Spring, Summer. 3(3-0)  
P: PSY 101.  
Recruitment, selection, and training of personnel. Performance appraisal, leader behavior, worker attitudes and behavior, communication, group organization, and processes in the workplace.
- 270. Community Psychology**  
Fall. 3(3-0)  
P: PSY 101.  
Theory and research in community psychology. Prevention, social change, dissemination models, empowerment, and measurement models.
- 280. Abnormal Psychology**  
Fall, Spring, Summer. 3(3-0)  
P: PSY 101.  
Theory and research on dynamics, characteristics, and treatment of psychological disorders. Therapies and theories of prevention.
- 295. Data Analysis in Psychological Research**  
Fall, Spring, Summer. 3(3-0)  
P: PSY 101, MTH 110 or MTH 116 or MTH 120 or STT 200 or STT 201. R: Open only to students in College of Social Science and students in Social Science teaching minor. Not open to students with credit in STT 315.  
Descriptive and inferential statistics as applied to the analysis of psychological research. Measurement, control, and research design with psychological variables. Data analysis. Interpreting research findings. Relations between research and theory.
- 302. Laboratory in Cognitive Psychology**  
Fall, Spring. 3(2-2)  
P: PSY 200, PSY 295.  
Rationale, methods, data analysis, and interpretation of experimental research in cognitive psychology. Students conduct and participate in classroom experiments, and write laboratory reports and a research proposal.
- 303. Research Methods in Community Psychology**  
Spring. 3(2-2)  
P: PSY 270, PSY 295.  
Contemporary research methods in community psychology, from defining the problem to disseminating the results.
- 304. Psychological Measurement**  
Fall, Summer. 3(3-0)  
P: PSY 295.  
Assessment of the reliability and validity of psychological measures of ability, personality, and interests for applications in education, industry, and counseling.
- 307. Thinking Critically About Psychological Research**  
Spring. 3(3-0)  
P: PSY 295.  
Statistical and methodological principles from the perspective of a critical consumer of research results. Recognizing non-empirical assertions, necessary bases for inferring relationships and causal relationships, common threats to research validity, and pertinent biases in human judgment.
- 308. Behavioral Neuroscience**  
Fall. 3(3-0)  
P: PSY 209, PSY 295, PSL 250.  
Neural and physiological mechanisms controlling and regulating animal and human behavior.
- 312. Principles and Applications of Learning**  
Fall. 3(3-0)  
P: PSY 295.  
General principles of human and animal learning. Theories of learning. Motivation as the causation of action, classical and operant conditioning, and animal cognition.
- 320. Health Psychology**  
Fall, Spring. 3(3-0)  
P: PSY 101.  
Social, psychological, and biological factors affecting health, illness, and use of health services. Stress and coping processes, lifestyles, and illness management.
- 325. Affect and Self Esteem**  
Fall, Spring. 3(3-0)  
P: PSY 101.  
Psychological study of affect as a mediator of stress, self esteem, and powerlessness. Development of psychological health, personal identity, and interpersonal competence through principles of affect.
- 330. Personality from a Psychoanalytic Perspective**  
Fall, Spring. 3(3-0)  
P: PSY 101.  
Topics examined within this Freudian framework include: psychosocial development, unconscious processes, defense mechanisms, prejudice, discrimination, cults, inability to sleep, sexual problems, and love.
- 344. Developmental Psychology: Adolescence Through Youth**  
Spring, Summer. 3(3-0)  
P: PSY 244.  
Theory and research in physical, cognitive, emotional, and social development from puberty to early adulthood.
- 346. Developmental Psychology: Adulthood and Aging**  
Spring. 3(3-0)  
P: PSY 244.  
Research and theory regarding human development from young adulthood through old age.
- 371. Psychological Innovations and Research I**  
Fall, Spring, Summer. 4(2-4)  
P: PSY 101. R: Approval of department. To receive credit PSY 371 and PSY 372 must be completed satisfactorily except by prior arrangement with instructor. Not open to students who have completed more than 6 credits of PSY 490 and PSY 491 combined.  
First course of two-semester sequence. Theoretical and technical background and direct involvement in a major psychological innovation or research project.
- 372. Psychological Innovations and Research II**  
Fall, Spring, Summer. 4(2-4)  
P: PSY 371. R: To receive credit PSY 371 and PSY 372 must be completed satisfactorily except by prior arrangement with instructor.  
Theoretical and technical background and direct involvement in a major psychological innovation or research project.
- 401. Memory and Skill (W)**  
Fall of even-numbered years. 3(3-0)  
P: PSY 200, PSY 295. R: Completion of Tier I writing requirement.  
Human learning, memory, and skilled performance. Effects of attention, practice, and knowledge on cognitive and perceptual motor skills.
- 402. Sensation and Perception (W)**  
Fall of even-numbered years. 3(3-0)  
P: PSY 295; PSY 200 or PSY 209. R: Completion of Tier I writing requirement.  
Biological and psychological approaches to the study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.
- 405. History of Modern Psychology (W)**  
Spring. 3(3-0)  
P: PSY 295. R: Open only to juniors and seniors in Psychology. Completion of Tier I writing requirement.  
Themes, periods, and contributions of the leading psychologists. Psychological systems such as behaviorism, cognition, and psychoanalysis. Evolution of psychological concepts. Social context.
- 409. Psychobiology of the Life Span (W)**  
Spring of odd-numbered years. 3(3-0)  
P: PSY 308 or PSY 402. R: Completion of Tier I writing requirement.  
Current research on the development and aging of the brain. Aging and behavior.

**Descriptions — Psychology  
of  
Courses**

**411. Psychobiology of Motivation (W)**

Spring of even-numbered years. 3(3-0)

P: PSY 308 or PSY 402. R: Completion of Tier I writing requirement.

Current research on biological mechanisms that control motivation.

**414. Psychology of Language (W)**

Spring of odd-numbered years. 3(3-0)

P: PSY 200, PSY 295. R: Completion of Tier I writing requirement.

Experimental psychology of language. Speech perception, word and sentence processing, prose comprehension and memory. Language production, language acquisition, and the brain bases of language development and use.

**424. Child and Family Psychopathology (W)**

Fall, Spring, Summer. 3(3-0)

P: PSY 244, PSY 295. R: Open only to juniors and seniors in Psychology and in Psychology teaching minors. Completion of Tier I writing requirement.

Description, etiology, and developmental patterns of behavior problems of children, adolescents, and their families. Child and family interventions.

**440. Attitudes and Social Cognition (W)**

Fall of even-numbered years. 3(3-0)

P: PSY 235, PSY 295. R: Open only to juniors and seniors in Psychology. Completion of Tier I writing requirement.

Psychological research on the cognitive foundations of social behavior. Attribution, stereotyping, impression formation, social memory, and persuasion.

**441. Interpersonal Behavior and Groups (W)**

Spring of even-numbered years. 3(3-0)

P: PSY 235, PSY 295. R: Open only to juniors and seniors in Psychology. Completion of Tier I writing requirement.

Major theories and research findings in the social psychology of group processes and interpersonal relationships.

**442. Stereotypes, Prejudice, and Discrimination (W)**

Fall of odd-numbered years. 3(3-0)

P: PSY 235, PSY 295. R: Open only to juniors and seniors in Psychology and in Interdisciplinary Studies in Social Science. Completion of Tier I writing requirement.

Cognitive processes in stereotyping. Contribution of affect and motivation to the linkages among stereotypes, prejudice, and discrimination.

**455. Personnel Research Techniques (W)**

Fall. 3(3-0)

P: PSY 255, PSY 304. R: Open only to juniors and seniors in Psychology and in Interdisciplinary Studies in Social Science. Completion of Tier I writing requirement.

Quantitative psychological research techniques applied to human resource problems in organizations. Survey research, job analysis, training needs analysis, evaluation and selection, and test validation.

**463. Introduction to Cognitive Science**

Spring. 3(3-0) Interdepartmental with Philosophy and Linguistics. Administered by Philosophy.

P: PHL 462 or PSY 200 or LIN 401 or CPS 440.

Cognitive processing of information by animals, humans, and computers. Relevant issues in philosophy, linguistics, psychology, neurophysiology, and artificial intelligence.

**475. Personality Theories (W)**

Spring of odd-numbered years. 3(3-0)

P: PSY 236. R: Open only to juniors and seniors in Psychology. Completion of Tier I writing requirement. Major personality theories of development, structure, and dynamics. Implications for behavioral disorders and therapy.

**476. Research in Personality (W)**

Fall. 3(3-0)

P: PSY 236, PSY 295. R: Completion of Tier I writing requirement.

Empirical investigations of personality dynamics. Effects of personality processes on subjective experience and social interaction.

**480. Interpersonal Skill Development**

Fall, Spring. 3(1-4)

P: PSY 101.

Interpersonal skill development through interactions within a small group. Empathy, mutual emotional support, appropriate self-disclosures, and constructive approaches to interpersonal confrontations.

**483. Literature and Medicine**

Spring. 3(3-0) Interdepartmental with English and Lyman Briggs School. Administered by English.

R: Not open to freshmen and sophomores.

Human dimensions of medicine as seen in literature. Health, illness, mortality. Medical dilemmas. Physical and psychological self. Psychological theories used in interpreting literature.

**488. Phenomenological Psychology**

Fall of even-numbered years. 3(3-0)

P: PSY 101.

Function and varieties of love and guilt in human existence and life renewal. Effect on the individual's awareness, authenticity, integration, responsibility, maturity, and fulfillment.

**489. Humanistic Psychology**

Spring. 3(3-0)

P: PSY 236.

Psychology of the person as a living, ethical subject. Scientific humanism, power of thinking, knowledge components of reality, and powers of consciousness.

**490. Special Problems in Psychology**

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

R: Open only to juniors and seniors with at least 9 credits in psychology. Students are limited to a combined total of 9 credits in PSY 490 and PSY 491. Students who completed PSY 246, PSY 247 or PSY 371, PSY 372 are limited to a combined total of 6 credits in PSY 490 and PSY 491. Approval of department.

Each student will work under direction of a faculty member on an experimental, theoretical, or applied problem.

**491. Participation in Psychological Project**

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

R: Open only to juniors and seniors with at least 9 credits in psychology. Students are limited to a combined total of 9 credits in PSY 490 and PSY 491. Students who completed PSY 246, PSY 247 or PSY 371, PSY 372 are limited to a combined total of 6 credits in PSY 490 and PSY 491. Approval of department.

Each student will participate in a psychological project under direction of a faculty member.

**499H. Senior Honors Thesis**

Fall, Spring, Summer. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course.

R: Approval of department. Independent research with faculty supervision. Literature survey, naturalistic observation, and experimental investigation. Preparation of the senior paper.

**800. Theories of Learning and Motivation**

Fall. 3(3-0)

R: Open only to graduate students in Psychology.

Principles and applications of learning, behavior, motivation, and animal cognition. Animal models of psychopathological phenomena including addiction, depression, and stress. Cognitive and affective bases of behavior.

**801. Sensation and Perception**

Fall of odd-numbered years. 3(3-0)

P: PSY 401 or approval of department. R: Open only to graduate students in Psychology.

Biological and psychological approaches to the study of extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.

**805. History of Psychology**

Spring. 4(4-0)

R: Open only to graduate students in Psychology.

Scientific, cultural, philosophical, and personal influences in the development of psychology. Persisting issues.

**809. Developmental Psychobiology**

Fall of odd-numbered years. 3(3-0)

P: PSY 409 or approval of department. R: Open only to graduate students in Psychology.

Basic principles of neural development over the life span.

**810. Cognitive Processes**

Fall of even-numbered years. 3(3-0)

P: PSY 401 or approval of department. R: Open only to graduate students in Psychology.

Concepts, theories, methods, and research findings in human information processing. Attention, perception, learning and remembering, thinking, skill and expertise, and language use.

**811. Advanced Behavioral Neuroscience**

Spring. 3(3-0)

P: PSY 411 or approval of department. R: Open only to graduate students in Psychology.

Biological mechanisms involved in learning and memory, motivated behaviors, biological rhythms, and psychopathologies.

**814. Psycholinguistics**

Spring of even-numbered years. 3(3-0)

P: PSY 414. R: Open only to graduate students in Psychology.

Language processing. Speech perception, lexical representation and access, sentence parsing, discourse comprehension and memory, and language production.

**815. Quantitative Research Design and Analysis in Psychology**

Fall. 4(3-2)

R: Open only to graduate students in Psychology.

Design and analysis of psychological research. Applied descriptive and inferential statistical procedures. Emphasis on discerning and confirming structural relationships among psychological variables. Analysis of variance, regression, and related methods.

**817. Psychometric Methods**

Spring. 4(3-2)

P: PSY 815. R: Open only to graduate students in Psychology.

Research analysis methods, meta-analysis, reliability theory, construct validation, confirmatory and exploratory factor analysis, causal models of experimental design, and cross sectional studies.

- 818. Psychometric Theory and Test Construction**  
Spring. 3(3-0)  
P: PSY 817. R: Open only to graduate students in Psychology.  
Classical and item response theory approaches to test development. Validation of measures.
- 820. Mathematical Models in Psychology**  
Fall of even-numbered years. 4(4-0)  
P: PSY 815 or approval of department. R: Open only to graduate students in Psychology.  
Models of change and development in psychological processes. Social processes, learning and memory, motivation and regulation. Process models of experimental design.
- 827. Basic Concepts in Clinical Psychology**  
Fall. 3(3-0)  
R: Open only to graduate students in Psychology.  
Historical issues and theoretical formulations relevant to clinical psychology.
- 828. Clinical Assessment**  
Fall. 3(2-2)  
R: Open only to graduate students in Psychology.  
Cognitive, neuropsychological, projective, and behavioral assessment. Ethical and statistical issues of assessment.
- 829. Child and Family Assessment**  
Spring of even-numbered years. 4(3-2)  
P: PSY 828. R: Open only to graduate students in Psychology.  
Assessment of behavioral, cognitive, psychomotor, and emotional problems in children and families.
- 831. Personality Assessment**  
Fall of odd-numbered years. 4(3-2)  
P: PSY 828. R: Open only to graduate students in Psychology.  
Objective and projective personality measures for adults. MMPI, Rorschach, Thematic Apperception Test, and other selected measures.
- 834. Social and Personality Psychology**  
Fall. 3(3-0)  
R: Not open to students with credit in SOC 870.  
Major theoretical and empirical problems in social and personality psychology.
- 835. Research Methods: Interpersonal and Individual Behavior**  
Spring. 3(2-2)  
P: PSY 815 or concurrently. R: Open only to graduate students in Psychology.  
Strategies and tactics for conducting systematic empirical research on complex human functioning. Social and clinical phenomena.
- 836. Personality Processes and Social Behavior**  
Fall of even-numbered years. 3(3-0)  
R: Open only to graduate students in Psychology.  
Effects of personality processes on social behavior. Laboratory research of experimental, personality, and social psychologists.
- 841. Advanced Endocrine Physiology and Pharmacology**  
Fall. 4(4-0) Interdepartmental with Physiology, Animal Science, and Pharmacology and Toxicology. Administered by Physiology.  
P: BCH 461, PSL 432. R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Veterinary Medicine, Natural Science, and Agriculture and Natural Resources.  
Basic and advanced concepts of endocrine and reproductive physiology and pharmacology.
- 842. Advanced Social Psychology (MTC)**  
Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course.  
P: 15 credits in the social sciences. R: Open only to graduate students in Psychology.  
Review of one of the three major topic areas in social psychology: Social Cognition, Interpersonal Behavior and Relationships, and Group Processes.
- 844. Developmental Psychology of Women**  
Spring of even-numbered years. 3(3-0)  
R: Open only to graduate students in Psychology.  
Development and implications of sex-typed behavior. Women's experiences of menstruation, sexuality, motherhood, relationships, achievement, employment, retirement.
- 845. Developmental Psychology: Infancy**  
Fall of even-numbered years. 4(3-2)  
R: Open only to graduate students in Psychology.  
Prenatal development. Infancy to three years. Basic processes, caregiver-infant relationships, social-cultural context, and assessment from a developmental biopsychosocial systems perspective.
- 846. Developmental Psychology: Childhood**  
Spring of odd-numbered years. 3(3-0)  
R: Open only to graduate students in Psychology.  
Research and theory on the psychological development of school-age children.
- 847. Developmental Psychology: Adolescence**  
Fall of odd-numbered years. 3(3-0)  
R: Open only to graduate students in Psychology.  
Research and theory in human psychological development from puberty until adulthood.
- 848. Developmental Psychology: Adulthood and Aging**  
Spring of even-numbered years. 3(3-0)  
R: Open only to graduate students in Psychology.  
Theoretical perspectives and research findings on human development from early to late adulthood.
- 851. Neuropsychology**  
Fall. 4(4-0)  
R: 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.
- 852A. Neuropsychological Assessment**  
Spring of odd-numbered years. 3(3-0)  
P: 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.
- 852B. Neuropsychological Assessment Laboratory**  
Spring of odd-numbered years. 3(0-6)  
C: PSY 852A. R: Open only to graduate students in Psychology.  
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: 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.
- 864. Personnel Selection**  
Fall of even-numbered years. 3(3-0)  
R: 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.

**Descriptions — Psychology  
of  
Courses**

**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.

**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. Survey of Public Economics**  
Fall, Spring, Summer. 3(3-0) 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**  
Spring. 3(3-0)  
P: PAM 320; STT 200 or STT 201 or STT 315. R: Not open to freshmen and sophomores.  
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 201; EC 201 or GBL 395. R: Not open to freshmen and sophomores.  
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 201; PRM 201 or PLS 100 or PLS 301 or PLS 324. R: Not open to freshmen and sophomores.  
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 and Recreation Resources, and Agricultural Engineering. Administered by Resource Development.  
P: RD 201, EC 201. R: Not open to freshmen and sophomores.  
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: EC 201 or RD 460. R: Not open to freshmen and 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)  
P: EC 201. 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 201 or approval of department. R: Not open to freshmen and sophomores.  
Concepts, principles, models, and skills for community and economic development. Community participation in local development initiatives.