

**Descriptions—Portuguese
of
Courses**

- 320. Advanced Portuguese**
Fall. 3(3-0)
P: PRT 202.
Conversation, reading, and writing to develop proficiency.
QP: PRT 203
- 340. Topics in Luso-Brazilian Language and Culture.**
Spring. 3(3-0)
P: PRT 202.
Cultural issues related to Portuguese-speaking countries.
QP: PRT 203
- 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.
QA: PRT 499

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: Graduate-professional students in colleges of Human and Osteopathic Medicine.
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 in increments of 2 credits.
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 in increments of 2 credits.
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 in increments of 2 credits.
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.
QA: PSY 160, PSY 170

- 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.
QP: PSY 160 or PSY 170 QA: PSY 300
- 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.
QP: PSY 160 or PSY 170 QA: PSY 309S
- 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.
QA: PSY 335
- 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.
QP: PSY 160 or PSY 170 QA: PSY 225
- 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.
QA: PSY 139
- 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.
QA: PSY 244
- 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 videotaped sessions. Readings and discussions cover problems faced by parents, teachers and child therapists.
QP: PSY 160 or PSY 170 QA: PSY 246
- 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.
QP: PSY 246 QA: PSY 247, PSY 248
- 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.
QA: PSY 255
- 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.
QP: PSY 160 or PSY 170 QA: PSY 370

- 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.
QP: PSY 160 or PSY 170 QA: PSY 425
- 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.
QP: PSY 160, PSY 170 QA: PSY 215
- 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.
QP: PSY 300, PSY 215 QA: PSY 302
- 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.
QP: PSY 215, PSY 370 QA: PSY 470
- 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.
QP: PSY 215 QA: PSY 415
- 305. Research Methods in Social Psychology**
Spring. 3(3-0)
P: PSY 235, PSY 295.
Major strategies and tactics for conducting social psychological research. Emphasis on first-hand experience with all phases of the research process.
QP: PSY 215, PSY 335 QA: PSY 435A
- 306. Observational Research Methods**
Spring. 3(2-2)
P: PSY 101, PSY 295.
Methods for observing, recording, and analyzing behavior in naturalistic and laboratory settings.
QP: PSY 160 or PSY 170, PSY 215
- 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.
QP: PSY 309S or PSY 309N, PSY 215, PSL 241 QA: PSY 309N
- 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.
QP: PSY 215 QA: PSY 312
- 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.
QP: PSY 160 or PSY 170 QA: PSY 320

- 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.
QP: PSY 160 or PSY 170 QA: PSY 325
- 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.
QA: PSY 225
- 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.
QA: PSY 344
- 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.
QP: PSY 244
- 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.
QP: PSY 160 or PSY 170 QA: PSY 371
- 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.
QP: PSY 371 QA: PSY 372
- 401. Memory and Skill**
Fall of even-numbered years. 3(3-0)
P: PSY 200, PSY 295.
Human learning, memory, and skilled performance. Effects of attention, practice, and knowledge on cognitive and perceptual motor skills.
QP: PSY 215, PSY 300
- 402. Sensation and Perception**
Fall of even-numbered years. 3(3-0)
P: PSY 295; PSY 200 or PSY 209. Biological and psychological approaches to the study of the extraction, representation, and interpretation of sensory information. Review of major methodologies. Emphasis on vision.
QP: PSY 215, PSY 300 or PSY 309S or PSY 309N QA: PSY 316, PSY 317
- 405. History of Modern Psychology**
Spring. 3(3-0)
P: PSY 295, R: Open only to juniors and seniors in Psychology.
Themes, periods, and contributions of the leading psychologists. Psychological systems such as behaviorism, cognition, and psychoanalysis. Evolution of psychological concepts. Social context.
QP: PSY 215 QA: PSY 405
- 409. Psychobiology of the Life Span**
Spring of even-numbered years. 3(3-0)
P: PSY 308 or PSY 402.
Current research on the development and aging of the brain. Aging and behavior.
- 411. Psychobiology of Motivation**
Spring of odd-numbered years. 3(3-0)
P: PSY 308 or PSY 402.
Current research on biological mechanisms that control motivation.
- 414. Psychology of Language**
Spring of even-numbered years. 3(3-0)
P: PSY 200, PSY 295.
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.
QP: PSY 302, LIN 401 QA: PSY 414
- 424. Child and Family Psychopathology**
Fall, Spring, Summer. 3(3-0)
P: PSY 244, PSY 295.
Description, etiology, and developmental patterns of behavior problems of children, adolescents, and their families. Child and family interventions.
QP: PSY 215, PSY 244 QA: PSY 424
- 440. Attitudes and Social Cognition**
Fall of even-numbered years. 3(3-0)
P: PSY 235, PSY 295.
Psychological research on the cognitive foundations of social behavior. Attribution, stereotyping, impression formation, social memory, and persuasion.
QP: PSY 435A QA: PSY 435B, PSY 435D
- 441. Interpersonal Behavior and Groups**
Spring of odd-numbered years. 3(3-0)
P: PSY 235, PSY 295.
Major theories and research findings in the social psychology of group processes and interpersonal relationships.
QP: PSY 435A QA: PSY 435C
- 442. Stereotypes, Prejudice and Discrimination**
Fall of odd-numbered years. 3(3-0)
P: PSY 235, PSY 295.
Cognitive processes in stereotyping. Contribution of affect and motivation to the linkages among stereotypes, prejudice and discrimination.
QP: PSY 435A
- 455. Personnel Research Techniques**
Fall. 3(3-0)
P: PSY 255, PSY 304.
Quantitative psychological research techniques applied to human resource problems in organizations. Survey research, job analysis, training needs analysis, evaluation and selection, and test validation.
QP: PSY 415, PSY 255 QA: PSY 455
- 475. Personality Theories**
Spring of even-numbered years. 3(3-0)
P: PSY 236.
Major personality theories of development, structure, and dynamics. Implications for behavioral disorders and therapy.
QP: PSY 225 QA: PSY 427A
- 476. Research in Personality**
Fall. 3(3-0)
P: PSY 236, PSY 295.
Empirical investigations of personality dynamics. Effects of personality processes on subjective experience and social interaction.
QP: PSY 225, PSY 215 QA: PSY 427B
- 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.
QP: PSY 160 or PSY 170
- 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.
QP: PSY 160 or PSY 170 QA: PSY 485
- 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.
QP: PSY 225 QA: PSY 489
- 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.
QA: PSY 490
- 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.
QA: PSY 491
- 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.
QA: PSY 499H
- 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.
QA: PSY 800
- 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.
QA: PSY 801
- 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.
QA: PSY 805
- 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.
QA: PSY 810

**Descriptions—Psychology
of
Courses**

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.
QA: PSY 811

814. Psycholinguistics
Spring of odd-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.
QP: PSY 414 QA: PSY 814

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
QA: PSY 815

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.
QP: PSY 815 QA: PSY 817

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.
QP: PSY 817 QA: PSY 818

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.
QA: PSY 820

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.
QA: PSY 880A

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.
QA: PSY 828

829. Child and Family Assessment
Spring of odd-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.
QP: PSY 828 QA: PSY 830, PSY 832

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.
QP: PSY 828 QA: PSY 973

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.
QA: PSY 835

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.

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.
QA: PSY 840, PSY 841

844. Developmental Psychology of Women
Spring of odd-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.
QA: PSY 844

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.
QA: PSY 845

846. Developmental Psychology: Childhood
Spring of even-numbered years. 3(3-0)

R: Open only to graduate students in Psychology.
Research and theory on the psychological development of school-age children.
QA: PSY 846

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.
QA: PSY 847

848. Developmental Psychology: Adulthood and Aging

Spring of odd-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.
QA: PSY 848

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.
QA: PSY 851

852A. Neuropsychological Assessment

Spring of even-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.
QP: PSY 811, PSY 851 QA: PSY 852A

852B. Neuropsychological Assessment Laboratory

Spring of even-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.
QP: PSY 852A QA: PSY 852B

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.
QA: PSY 850A

854. Behavior Disorders in Children and Families

Spring of even-numbered years. 4(4-0)
P: PSY 853. R: Open only to graduate students in Psychology.
Developmental psychopathology. Explanations for the development of child behavior disorders.
QP: PSY 850A QA: PSY 850B, PSY 850C

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.
QA: PSY 850A, PSY 850B, PSY 850C

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.
QA: PSY 860

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.
QA: PSY 862

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.
QA: PSY 866

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.
QP: PSY 815

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.
QP: PSY 817 QA: PSY 866

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.
QA: PSY 870A

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.
QP: PSY 870A QA: PSY 873A

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.
QP: PSY 815 QA: PSY 873B, PSY 873C

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.
QP: PSY 815, PSY 870A, PSY 873A QA: PSY 876A, PSY 876B

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.
QA: PSY 890

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.
QA: PSY 899

926. Scientific and Professional Ethics
Fall of odd-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.
QP: PSY 850B, PSY 850C QA: PSY 950A

951. Cognitive/Behavioral Approaches to Child and Family Interventions
Spring of odd-numbered years, 3(3-0)
P: PSY 950.
Behavioral and cognitive-behavioral psychotherapy. Interventions with couples, families, and children.
QP: PSY 850C, PSY 950A QA: PSY 950B

961. Training and Organizational Development
Spring of even-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.
QP: PSY 860 QA: PSY 961

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.
QP: PSY 860 QA: PSY 962

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.
QA: PSY 970

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.
QA: PSY 914, PSY 924, PSY 934, PSY 954, PSY 969, PSY 970, PSY 985

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.
QA: PSY 975, PSY 980, PSY 981, PSY 982, PSY 928, PSY 930, PSY 932

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.
QA: PSY 999

PUBLIC AFFAIRS 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.
QA: PAM 201

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.
QA: PAM 260

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.
QP: EC 201, PAM 201 QA: PAM 320, PAM 321

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.
QP: STT 201, PAM 320 QA: PAM 404

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.
QP: EC 201 or EC 202 or PAM 201 QA: PAM 453

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.
QP: EC 201 QA: FSM 462

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.
QP: PAM 201, PAM 320 QA: PAM 480

RADIOLOGY RAD

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

553. Introduction to Radiology
Summer, 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.
QA: RAD 590

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.
QA: RAD 609

RELIGIOUS STUDIES REL

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

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.
QA: REL 295