

PSYCHOLOGICAL SCIENCE (PSYS)

Courses

PSYS 211. Learning. 3 Credits.

Analysis of theory and research on the basic learning process and behavior. Prerequisites: PSYS 053 and PSYS 111.

PSYS 212. Cognition. 3 Credits.

Research and theories on the major areas within cognition: perception, attention, pattern recognition, memory, knowledge representations, mnemonic strategies, problem-solving and neurocognition. Prerequisites: PSYS 054 and PSYS 111.

PSYS 213. Motivation. 3 Credits.

Theory and research on motives, including hunger, fear, sex drive, and addiction, their influence on behavior, relationship to other psychological processes, and biological correlates. Prerequisites: PSYS 053 and PSYS 111.

PSYS 215. Physiological Psychology. 0 or 4 Credits.

Structure and function of mammalian nervous system, emphasizing neurological correlates of sensory experience and perception. Individual laboratory experience. Prerequisites: PSYS 053; and PSYS 115 or NSCI 110.

PSYS 216. Psychopharmacology. 3 Credits.

Effects of drugs (both medical and recreational) on behavior. Topics such as drug effects on learning, memory, motivation, perception, emotions, and aggression. Prerequisites: PSYS 053; and PSYS 115 or NSCI 110.

PSYS 217. Animal Behavior. 3 Credits.

Behavior of animals under controlled experimental conditions and in their natural environments. Consideration of evolution, development, function, and control of behavior. Prerequisites: PSYS 053; and PSYS 111 or PSYS 115 or NSCI 110.

PSYS 218. Hormones and Behavior. 3 Credits.

A study of the involvement of hormones in cognition, emotion, the stress response, circadian and homeostatic mechanisms that affect mental state, psychopathology, and reproductive behavior. Prerequisites: PSYS 053 and PSYS 115.

PSYS 219. Sel Topics Behavioral Neurosci. 3 Credits.

Selected topics examining the role of the central nervous system in determining behavior, including innate behaviors, arousal, motivation, learning, and memory. Prerequisites: PSYS 053; and PSYS 115 or NSCI 110.

PSYS 230. Advanced Social Psychology. 3 Credits.

In-depth discussion of select topics centering on how situations influence individuals' thoughts, feelings, and behaviors. Prerequisite: PSYS 053 and PSYS 130.

PSYS 232. Self and Social Cognition. 3 Credits.

An advanced course in social psychology that covers theory and research on the self and social cognition. Prerequisites: PSYS 053 and PSYS 130.

PSYS 240. Organizational Psychology. 3 Credits.

Study of the psychological impact of macro and micro features of organizations upon leadership, decision making, workforce diversity, group process, conflict, and organizational performances. Prerequisite: PSYS 053; and PSYS 111 or PSYS 130 or PSYS 150 or PSYS 170.

PSYS 252. Emotional Devlmt & Temperament. 3 Credits.

Development of emotion and temperament from infancy through middle childhood, including links between these topics and physiology, and context (e.g. attachment, parenting, family conflict). Prerequisites: PSYS 053 and PSYS 150.

PSYS 253. Cognitive Development. 3 Credits.

Examination of research and theory concerning developmental changes in the human processing of information from infancy to adulthood centered around the work of Piaget. Prerequisites: PSYS 053 and PSYS 150.

PSYS 254. Social Development. 3 Credits.

Examination of theory and research concerning interpersonal development in humans from infancy through adulthood. Emphasizes relationships among language, cognition, and social development. Prerequisites: PSYS 053 and PSYS 150.

PSYS 256. Infant Development. 3 Credits.

Biological, cognitive, and social aspects of infant development in context; opportunities to evaluate and design research and apply knowledge to parenting, prevention, and social policy. Prerequisites: PSYS 053 and PSYS 150.

PSYS 257. Adolescence. 3 Credits.

Analysis of current theory and research in adolescent development. Covers biological, cognitive, and social changes; family, peer, and school influences; and normative and problematic development. Prerequisites: PSYS 053 and PSYS 150.

PSYS 270. Behav Disorders of Childhood. 3 Credits.

An overview of theory, research, and practice in developmental psychopathology from infancy through adolescence. The major disorders of social and emotional development reviewed. Prerequisites: PSYS 053; and PSYS 150 or PSYS 170.

PSYS 271. Intro to Clinical Psychology. 3 Credits.

Study of basic principles of interviewing, testing, assessment from life situations, and report writing. Examination of the most common approaches to psychotherapy. Prerequisites: PSYS 053 and PSYS 170.

PSYS 300. History of Psychology. 3 Credits.

Review of major theoretical and empirical developments in psychology, including schools of psychology that have influenced contemporary models of psychology. Prerequisite: Psychology graduate student.

PSYS 301. Faculty Seminar. 0 Credits.

Introduction to specialized areas of psychology. Prerequisite: Psychological Science Graduate standing.

PSYS 303. Seminar in Psyc Research Meth. 3 Credits.

Topics may include but are not limited to: factor analysis, discriminant function analysis, multivariate analysis of variance, advanced experimental design, and computer application in data collection and analysis. Prerequisites: Psychology graduate standing and PSYS 304.

PSYS 304. Adv Statistical Methods I. 3 Credits.

Statistical methods for evaluating psychological data. Emphasizes exploring data with respect to research hypotheses. Critical study of hypothesis tests on means, chi-square, and correlational techniques. Prerequisite: Psychological Science or Neuroscience Graduate standing only.

PSYS 305. Adv Statistical Methods II. 3 Credits.

Continuation of PSYS 304. In-depth study of the analysis of variance and multiple regression. Further study of analysis and interpretation of data from the behavioral sciences. Prerequisites: Psychology or Neuroscience graduate standing and PSYS 304.

PSYS 306. Analysis of Longitudinal Data. 3 Credits.

Statistical methods for the analysis of data collected over time, with an emphasis on linear mixed models (LMMs) in applied psychological research. Prerequisites: Psychology or Neuroscience graduate standing; and PSYS 304 and PSYS 305.

PSYS 307. Structural Equation Modeling. 3 Credits.

Introduction to confirmatory factor analysis, path analysis, and structural equation methods, with an emphasis on applied psychological research. Prerequisites: Psychology graduate standing; and PSYS 304 and PSYS 305.

PSYS 311. Seminar in Learning Theory. 3 Credits.

Review and analysis of contemporary theories of associative learning. Prerequisite: Psychology graduate standing only.

PSYS 312. Cognitive Neuroscience. 3 Credits.

Exploration of the neural bases of complex cognitive functions in humans, including memory, attention, executive functions, and consciousness, through a survey of recent journal articles. Prerequisite: Psychology or Neuroscience graduate standing only.

PSYS 313. Emotion. 3 Credits.

Analysis of research and theory on emotion from biological, psychological, cognitive, and psychosocial perspectives. Research literature considering clinical disorders of emotion will also be considered. Prerequisite: Psychology graduate standing only.

PSYS 315. Biobehavioral Proseminar. 3 Credits.

Advanced survey and analysis of behavioral and biological psychology, with special emphasis on learning theory and behavioral neuroscience. Prerequisite: Psychology and Neuroscience graduate standing only.

PSYS 316. Neuropsychopharmacology. 3 Credits.

Explores the foundations of behavior by examining the role of neurotransmitters, neuromodulators, and drugs in the production of normal and abnormal behavior. Prerequisite: Psychology or Neuroscience graduate standing only.

PSYS 319. Neurobio of Learning & Memory. 3 Credits.

Exploration of the neural bases of learning and memory, using a brain systems approach, through a survey of recent journal articles. Prerequisite: Psychology or Neuroscience graduate standing only.

PSYS 320. Animal Minds. 3 Credits.

Examination of historical and modern scientific research literature on cognition as it is represented in the behavior of animals. Considers evolutionary, behavioristic, and cognitive perspectives. Prerequisite: Psychology or Neuroscience graduate standing only.

PSYS 330. Proseminar in Exp Social Psych. 3 Credits.

Advanced analysis of experimental social psychology, including examination of social psychological theories, methods, and key research findings. Prerequisite: Psychology graduate standing only.

PSYS 332. Cognition in Social Behavior. 3 Credits.

Examination of social attribution, interpersonal set, perspectives in social encounter, and the formulation of interpersonal strategies. Prerequisite: Psychology graduate standing only.

PSYS 350. Developmental Proseminar. 3 Credits.

This seminar focuses on key issues in developmental psychology, including an examination and critique of psychological theories, methods, and research in child and adolescent development. Prerequisite: Psychology graduate standing only.

PSYS 351. Advanced Developmental Psyc. 3 Credits.

Critical analysis of selected topics in developmental psychology with emphasis on research and theory in areas such as moral development, infancy, and early conceptual development. Prerequisite: Psychology graduate standing only.

PSYS 352. Emotional Dev & Temperament. 3 Credits.

Development of emotion and temperament from infancy through middle childhood, including links between these topics and physiology and context (e.g., attachment, parenting, family conflict). Prerequisites: Graduate standing; Psychological Science major.

PSYS 354. Social Development. 3 Credits.

This course will include an examination and critique of psychological theories, methods, and research about social development from infancy through young adulthood. Prerequisite: Psychology graduate standing only.

PSYS 355. Psychology of Gender. 3 Credits.

Advanced survey of psychological theories, methods, and research about gender. Focuses on gender similarities and differences in affect, cognition, and behavior. Prerequisite: Psychology graduate standing only.

PSYS 361. Developmental Psychopathology. 3 Credits.

Provides an overview of theoretical, methodological, and analytic approaches in developmental psychopathology. Prerequisite: Psychology graduate standing only.

PSYS 370. Child Psychopathology. 3 Credits.

An advanced course dealing with models of classification, diagnosis, epidemiology of behavior disorders in children. Prerequisite: Psychology graduate standing only.

PSYS 371. Adult Psychopathology. 3 Credits.

An advanced course dealing with models of classification, diagnosis, epidemiology of behavior disorders in adults. Prerequisite: Psychology graduate standing only.

PSYS 372. Child & Adolescent Psyc Assess. 0 or 3 Credits.

Interviewing, intelligence testing, behavioral assessment, social cognition, family environments, specific disorders of childhood. Supervised assessment practicum (100 hours) in in-patient and out-patient mental health settings and schools. Prerequisite: Psychology graduate standing only.

PSYS 373. Adult Psychological Assessment. 0 or 3 Credits.

Theories and strategies of psychological intervention. Supervised service delivery (150 hours) at University Counseling and Testing Center including individual and group therapy and crisis intervention. Prerequisite: Psychology graduate standing only.

PSYS 374. Behavior Therapy: Children. 3 Credits.

Review of literature relating to theory, practice, research. Emphasis on the evaluation of a variety of procedures applied to behavior disorders in children. Prerequisite: Psychology graduate standing only.

PSYS 375. Adult Cognitive & Behav Thrpy. 3 Credits.

Review of literature relating to theory, practice, research. Emphasis on the evaluation of a variety of procedures applied to behavior disorders in adults. Prerequisite: Psychology graduate standing only.

PSYS 376. Cross Culture Clin Interv/Rsrc. 3 Credits.

Issues for psychologists regarding clinical intervention and research with Black, Latino/a, Native American, Asian American, and international populations of color with an eye toward cultural competence. Prerequisite: Psychology graduate standing only.

PSYS 377. Clinical Human Neuropsychology. 3 Credits.

Clinical seminar on effects on human behavior of neocortical dysfunction. Review of theoretical, clinical approaches to brain function, emphasis on recent developments in diagnostic techniques, ensuing theoretical developments. Prerequisite: Psychology graduate standing only.

PSYS 378. Dialectic Behavior Therapy. 3 Credits.

Examines the theoretical perspectives, empirical foundations, and treatment strategies of Dialectical Behavior Therapy (DBT). DBT is a treatment specifically designed for chronically suicidal patients. Prerequisite: Psychology graduate standing only.

PSYS 380. Professional Affairs & Ethics. 3 Credits.

The origins of professions and of psychology in particular. Accreditation, laws affecting psychology, organization of the profession, licensing certification, and the code of ethics for psychology. Prerequisite: Psychology graduate standing only.

PSYS 385. Advanced Clinical Practicum. 0-1 Credits.

Year-long, 20 hours/week supervised service delivery involving psychological intervention assessment and consultation. May be repeated for credit. Prerequisite: Psychology graduate standing only.

PSYS 389. Internship in Clinical Psyc. 0 Credits.

Clinical psychology internship experience. Prerequisite: Psychology graduate standing only.

PSYS 390. Contemporary Topics. 3 Credits.

Selected topics in depth; emphasis on critical analysis of original literature. Prerequisite: Psychology graduate standing only.

PSYS 391. Master's Thesis Research. 1-18 Credits.

Research leading toward completion of the master's thesis. Prerequisite: Psychology graduate standing only.

PSYS 393. Adv Professional/Research Sem. 1-2 Credits.

Discussion of current research and student research presentation in areas of concentration ("clusters"). Prerequisite: Psychology graduate standing only.

PSYS 395. Advanced Readings/Research. 1-6 Credits.

Readings, with conferences, to provide graduate students with background and specialized knowledge relating to an area in which an appropriate course is not offered. Prerequisite: Psychology graduate standing only.

PSYS 396. Advanced Special Topics. 1-18 Credits.

See Schedule of Courses for specific titles. Prerequisites: Psychology Graduate Standing Only; Instructor permission.

PSYS 491. Doctoral Dissertation Research. 1-18 Credits.

Research leading toward completion of the doctoral dissertation. Prerequisite: Psychology graduate standing only.