

PSYCHOLOGY

OVERVIEW

The Ph.D. program in General/Experimental Psychology admits students in four broad areas of concentration ("clusters"): Biobehavioral Psychology; Developmental Psychology; Social Psychology; and Behavioral Psychopharmacology.

The Ph.D. program in Clinical Psychology places equal emphasis on research and clinical training. The Clinical Psychology program is fully accredited by the American Psychological Association.

The Ph.D. program in Clinical/Developmental Psychology provides students with training in the area of developmental psychopathology. Students completing the Clinical/Developmental degree meet the requirements of the Clinical program and those of the Developmental cluster in the General/Experimental program.

Additional clinical, research, and adjunct faculty supervise students in clinical and research placements.

Further information about graduate programs can be obtained electronically from the Department of Psychological Science website, which contains details of requirements, funding opportunities, clinical and research facilities, specialty areas, ongoing research, and faculty, as well as general information about the university and the area.

Applicants must apply for the Ph.D. degree only. Students whose goal is a terminal master's degree are not accepted.

DEGREES

- Psychology M.A.
- Psychology Ph.D.

FACULTY

Abaied, Jamie L.; Assistant Professor, Department of Psychological Sciences; PHD, University of Illinois Urbana-Champaign

Achenbach, Thomas Max; Professor, Department of Psychiatry; PHD, University of Minnesota Twin Cities

Althoff, Robert; Associate Professor, Department of Psychiatry; MD, University of Illinois

Bouton, Mark Earhart; Professor, Department of Psychological Sciences; PHD, University of Washington

Burt, Keith B.; Associate Professor, Department of Psychological Sciences; PHD, University of Minnesota Twin Cities

Delay, Eugene Raymond; Associate Professor, Department of Biology; PHD, University of Georgia

Dumas, Julie Anna; Associate Professor, Department of Psychiatry; PHD, University of North Carolina

Falls, William A.; Professor, Department of Psychological Sciences; PHD, Yale University

Fondacaro, Karen Marie; Clinical Professor, Department of Psychological Sciences; PHD, University of Vermont

Forehand, Rex L.; Professor, Department of Psychological Sciences; PHD, University of Alabama

Gaalema, Diann E.; Assistant Professor, Department of Psychiatry; PHD, Georgia Institute of Technology

Garavan, Hugh P.; Associate Professor, Department of Psychiatry; PHD, Bowling Green State University

Green, John Thomas; Associate Professor, Department of Psychological Sciences; PHD, Temple University

Guitar, Barry Estill; Professor, Department of Communication Sciences; PHD, University of Wisconsin Madison

Hammack, Sayamwong E.; Associate Professor, Department of Psychological Sciences; PHD, University of Colorado

Harder, Valerie Susan; Assistant Professor, Department of Psychiatry; PHD, Johns Hopkins University

Heil, Sarah H.; Associate Professor, Department of Psychiatry; PHD, Dartmouth College

Higgins, Stephen Thomas; Professor, Department of Psychiatry; PHD, University of Kansas

Hoza, Betsy; Professor, Department of Psychological Sciences; PHD, University of Maine

Hughes, John Russell; Professor, Department of Psychiatry; MD, University of Massachusetts Amherst

Miller, Carol Therese; Professor, Department of Psychological Sciences; PHD, Purdue University

Murray-Close, Dianna Katharine; Associate Professor, Department of Psychological Sciences; PHD, University of Minnesota Twin Cities

Pinel, Elizabeth C.; Associate Professor, Department of Psychological Sciences; PHD, University of Texas Austin

Potter, Alexandra S.; Assistant Professor, Department of Psychiatry; PHD, University of Vermont

Price, Matthew; Assistant Professor, Department of Psychological Sciences; PHD, Georgia State University

Rellini, Alessandra; Associate Professor, Department of Psychological Sciences; PHD, University of Texas Austin

Rohan, Kelly Joanna; Professor, Department of Psychological Sciences; PHD, University of Maine

Schermerhorn, Alice C.; Assistant Professor, Department of Psychological Sciences; PHD, University of Notre Dame

Sigmon, Stacey C.; Associate Professor, Department of Psychiatry; PHD, University of Vermont

Stickle, Timothy R.; Associate Professor, Department of Psychological Sciences; PHD, University of Arizona

Toufexis, Donna J.; Associate Professor, Department of Psychological Sciences; PHD, McGill University

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.