PSYCHOLOGY

OVERVIEW

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

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.

Further information about both programs can be obtained electronically from the Department of Psychological Science website, or by requesting a department graduate studies brochure from the Department of Psychological Science. Both contain 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. The application deadline for admission is December 1st for the clinical program, January 2nd for the general/experimental program.

DEGREES

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

FACULTY

Abaied, Jamie L.; Assistant Professor, Department of Psychology; 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
Bond, Lynne Anne; Professor, Department of Psychology; PHD, Tufts University
Bouton, Mark Earhart; Professor, Department of Psychology; PHD, University of Washington
Burt, Keith B.; Assistant Professor, Department of Psychology; 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 Psychology; PHD, Yale University
Fondacaro, Karen Marie; Clinical Professor, Department of Psychology; PHD, University of Vermont
Forehand, Rex L.; Professor, Department of Psychology; 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 Psychology; PHD, Temple University
Guitar, Barry Estill; Professor, Department of Communication Sciences; PHD, University of Wisconsin Madison
Hammack, Sayamwong E.; Associate Professor, Department of Psychology; PHD, University of Colorado
Harder, Valerie Susan; Associate 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 Psychology; PHD, University of Maine
Hughes, John Russell; Professor, Department of Psychiatry; MD, University of Massachusetts Amherst
Miller, Carol Therese; Professor, Department of Psychology; PHD, Purdue University
Murray-Close, Dianna Katharine; Associate Professor, Department of Psychology; PHD, University of Minnesota Twin Cities
Pinel, Elizabeth C.; Associate Professor, Department of Psychology; PHD, University of Texas Austin
Potter, Alexandra S.; Assistant Professor, Department of Psychiatry; PHD, University of Vermont
Price, Matthew; Assistant Professor, Department of Psychology; PHD, Georgia State University
Relini, Alessandra; Associate Professor, Department of Psychology; PHD, University of Texas Austin
Rohan, Kelly Joanna; Professor, Department of Psychology; PHD, University of Maine
Schermhorn, Alice C.; Assistant Professor, Department of Psychology; PHD, University of Notre Dame
Sigmon, Stacey C.; Associate Professor, Department of Psychiatry; PHD, University of Vermont
Solomon, Sondra Elice; Associate Professor, Department of Psychology; PHD, University of Vermont
Stickle, Timothy R.; Associate Professor, Department of Psychology; PHD, University of Arizona
Toufexis, Donna J.; Assistant Professor, Department of Psychology; PHD, McGill University

Courses

PSYC 205. Learning. 3 Credits.
Analysis of theory and research on the basic learning process and behavior. Prerequisite: PSYC 109.
PSYC 206. 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. Prerequisite: PSYC 109.

PSYC 207. 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. Prerequisite: PSYC 109.

PSYC 215. Cognition & Aging. 3 Credits.
Changes in both sensory and cognitive aspects of aging, including changes in vision, hearing, perception, learning, and memory. Prerequisite: Permission of the Instructor.

PSYC 220. 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. Prerequisite: PSYC 109 or BCOR 102.

PSYC 221. Physiological Psychology I. 0 or 4 Credits.
Structure and function of mammalian nervous system, emphasizing neurological correlates of sensory experience and perception. Individual laboratory experience. Prerequisites: PSYC 109; PSYC 121 or NSCI 110.

PSYC 222. 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. Prerequisite: PSYC 121 or PSYC 221.

PSYC 223. Psychopharmacology. 3 Credits.
Effects of drugs (both medical and recreation) on behavior. Topics such as drug effects on learning, memory, motivation, perception, emotions, and aggression. Prerequisites: PSYC 109; PSYC 121 or PSYC 222.

PSYC 224. 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. Pre/co-requisites: PSYC 121 and PSYC 109, or permission from the Instructor.

PSYC 230. Advanced Social Psychology. 3 Credits.
Advanced survey of current research on the behavior of individuals in social situations. Prerequisite: PSYC 109 or PSYC 130.

PSYC 233. Experience & Creativity. 3 Credits.
Explores psychological processes for developing creative thinking and for enhancing the quality of conscious experience. Emphasizes personal growth as well as theoretical understanding. Prerequisite: Advanced background in at least one relevant field, such as Psychology, Environmental Studies, Studio Art, or education.

PSYC 236. Theories of Human Comm. 3 Credits.
Study of the role of perception, human information processing, language, nonverbal codes, meaning, cognition, and interpersonal and sociocultural context in human communication process. Prerequisite: PSYC 109 or PSYC 130.

PSYC 237. Cross-Cultural Communication. 3 Credits.
Study of cultural factors, cognitive processes, communication patterns, and problems in cross-cultural communication; role of communication in development and social change in third world countries. Prerequisite: PSYC 109 or PSYC 130 or PSYC 230; other advanced background in education or a social science.

PSYC 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: PSYC 109, or Instructor permission.

PSYC 241. Org Psyc:Glob/Cultr/Loc Force. 3 Credits.
Study of global, cultural, and local dynamics upon organizational culture, leadership, workforce diversity, ethics and justice at work, and conflict resolution. Conduct applied organizational cultural analysis. Prerequisite: PSYC 109 or Instructor permission.

PSYC 250. 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. Prerequisite: PSYC 109, PSYC 152.

PSYC 251. 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. Prerequisite: PSYC 109 or PSYC 161. PSYC 109 may be taken concurrently.

PSYC 253. Advanced Behavior Modification. 3 Credits.
Application of techniques for the modification of human behavior in a variety of educational and social situations involving the collection and analysis of behavioral data. Prerequisites: PSYC 109, PSYC 152.

PSYC 260. Self and Social Cognition. 3 Credits.
An advanced course in social psychology that covers theory and research on the self and social cognition. Pre/co-requisites: PSYC 109 and PSYC 130.

PSYC 261. 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. Prerequisite: PSYC 109 or PSYC 161. PSYC 109 may be taken concurrently.

PSYC 262. Social Development. 3 Credits.
Examination of theory and research concerning interpersonal development in humans from infancy through adulthood. Relationships between language, cognition, and social development emphasized. Prerequisite: PSYC 109 or PSYC 161. 109 may be taken concurrently.
PSYC 265. 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. Prerequisite: PSYC 109, PSYC 161 which may be taken concurrently or comparable.

PSYC 266. Communication & Children. 3 Credits.
Study of the role of communication, especially television, in cognitive and social development from preschool to adolescence. Relationship between television violence and abnormal behavior examined. Prerequisite: PSYC 109 or PSYC 161 or PSYC 163.

PSYC 267. 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. Pre/co-requisites: PSYC 109 and PSYC 161.

PSYC 268. Psychology Adult Dev & Aging. 3 Credits.
Psychological development in the final third of the life span emphasizing theory and research concerning social, cognitive, perceptual, and mental health transitions and support interventions. Prerequisites: PSYC 001, and HDFS 020 or HDFS 195/HDFS 295 or Instructor permission.

PSYC 295. Advanced Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.

PSYC 296. Advanced Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.

PSYC 301. Faculty Seminar. 0 Credits.
Introduction to specialized areas of psychology.

PSYC 302. Faculty Seminar. 0 Credits.
Introduction to specialized areas of psychology.

PSYC 303. Biobehavioral Proseminar. 3 Credits.
Advanced survey and analysis of behavioral and biological psychology, with special emphasis on learning theory and behavioral neuroscience.

PSYC 305. Seminar in Learning Theory. 3 Credits.

PSYC 306. 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. Prerequisites: PSYC 303 or Instructor permission.

PSYC 307. 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. Prerequisites: PSYC 303 or Instructor permission.

PSYC 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. Prerequisites: PSYC 303 or Instructor permission.

PSYC 322. 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. Prerequisites: PSYC 303 or Instructor permission.

PSYC 323. 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. Prerequisites: PSYC 303 or Instructor permission.

PSYC 330. Proseminar in Exp Social Psych. 3 Credits.
Advanced survey and analysis of experimental social psychology, including examination of social psychological theories, methods, and key research findings. Prerequisites: PSYC 303 or Instructor permission.

PSYC 332. Cognition in Social Behavior. 3 Credits.
Examination of social attribution, interpersonal set, perspectives in social encounter, and the formulation of interpersonal strategies. Prerequisite: Instructor Permission.

PSYC 334. Organizational Behav& Cultures. 3 Credits.
Examination of the impact of various organizational cultures upon leadership, personnel selection, group processes, motivation, entrepreneurship, decision making, conflict, negotiation strategies, and organizational development. Prerequisite: Instructor Permission.

PSYC 340. 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.

PSYC 341. Adv Statistical Methods II. 3 Credits.

PSYC 344. Experimental Design. 3 Credits.

PSYC 346. 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: PSYC 340 and PSYC 341 or equivalent.

PSYC 347. Measurement & Scaling. 3 Credits.
Traditional psychophysical methods, Thurstonian judgmental methods, recent topics in unidimensional scaling. Techniques, applications in multidimensional scaling. Relation of these to mental test theory, factor analysis, cluster analysis. Prerequisites: PSYC 340, PSYC 341.

PSYC 348. Structural Equation Modeling. 3 Credits.
Introduction to confirmatory factor analysis, path analysis, and structural equation methods, with an emphasis on applied psychological research. Prerequisites: PSYC 340 and PSYC 341 or equivalent.
PSYC 349. Seminar in Psyc Research Meth. 3 Credits.
For advanced psychology Graduate students. Topics may include but are not limited to: factor analysis, discriminant function analysis, multivariate analysis of variance, advanced experimental design, computer application in data collection and analysis. Prerequisite: PSYC 341; or Instructor Permission.

PSYC 350. Family Therapy. 3 Credits.
An exploration of current theories and techniques in family therapy, through readings and discussion, as well as observation of taped and live family therapy sessions. Prerequisite: Graduate standing in Clinical Psychology; or Instructor Permission.

PSYC 351. Behavior Therapy: Adults. 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: Instructor Permission.

PSYC 352. 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: Instructor Permission.

PSYC 353. 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: PSYC 221, PSYC 222, or equivalent.

PSYC 354. Psychopathology I. 3 Credits.
An advanced course dealing with models of classification, diagnosis, epidemiology of behavior disorders in children. Prerequisite: Instructor Permission.

PSYC 355. Psychopathology II. 3 Credits.
An advanced course dealing with models of classification, diagnosis, epidemiology of behavior disorders in adults. Prerequisite: Instructor Permission.

PSYC 357. Cross Culture Clin Interv&Rsch. 3 Credits.
Issues for psychologists regarding clinical intervention and research with Black, Latino/a, Native and Asian Americans and international populations of color with an eye towards cultural competence. Prerequisites: Graduate standing.

PSYC 359. Interpersonal Psychotherapy. 3 Credits.
An examination of psychotherapy as an interpersonal process. Resistance, transference, and counter-transference examined as interpersonal interactions and related to interpersonal personality theory. Prerequisites: Advanced Graduate standing; Instructor permission.

PSYC 361. Developmental Psychopathology. 3 Credits.
Provides an overview of theoretical, methodological, and analytic approaches in developmental psychopathology. Seminar format. Prerequisite: Graduate student in Psychology.

PSYC 362. Community Clinical Psychology. 3 Credits.
Seminar examining community intervention strategies for psychological problems and health risk behaviors. Topics: history of community psychology, discussion of intervention programs, consultation issues, research. Prerequisite: Instructor Permission.

PSYC 363. Advanced Primary Prevention. 3 Credits.
Review of research literature on prevention of psychopathology and promotion of competence; development of model prevention programs; evaluation, ethical issues, and political issues. Prerequisite: Instructor Permission.

PSYC 364. 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: Instructor Permission.

PSYC 365. 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: Graduate student in Psychology.

PSYC 366. Advanced Developmental Psyc. 3 Credits.
Critical Analysis of selected topics in developmental psychology. Research, theory, applied, professional issues including, for example, moral development, infancy, early conceptual development, professional writing. Prerequisite: Graduate standing in Psychology. Repeatable course.

PSYC 367. 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: Graduate student in Psychology.

PSYC 369. Health Psychology. 3 Credits.
Psychological aspects of the etiology, treatment, prevention of physical illness. Topics include: stress and disease, compliance, health care systems, coping with illness, positive health behavior. Prerequisite: Instructor Permission.

PSYC 370. Adult Psychological Assessment. 3 Credits.
Intelligence, neuropsychology, interviewing, psychodiagnosis, objective and projective personality methods, behavioral assessment, report writing. Supervised assessment practicum (100 hours) in university and in-patient mental health settings. Prerequisite: Instructor Permission.

PSYC 371. 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 outpatient mental health settings and schools. Prerequisite: Instructor Permission.
PSYC 372. Psychological Intervention I. 3 Credits.
Introduction to psychotherapy, theories, and strategies. Skill building in case formulation, therapeutic goals, and effective intervention techniques. Supervised therapy practicum (100 hours) in university setting. Prerequisite: Instructor Permission.

PSYC 373. Psychological Intervention II. 0 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: Instructor Permission.

PSYC 374. 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: Enrollment in Ph.D. program in Clinical Psychology; Instructor permission.

PSYC 375. Internship in Clinical Psych. 0 Credits.

PSYC 380. Contemporary Topics. 3 Credits.
Selected topics in depth, emphasis on critical analysis of original literature. Recent topics: anxiety, behavioral pharmacology, biological bases of memory, depression, organizational behavior, psychotherapy research, primate behavior, skilled performance.

PSYC 381. Clinical Research Seminar. 3 Credits.
Year-long seminar on methods and design in clinical research. Oral and written presentation of a research proposal and results. Required twice for clinical students. Prerequisite: Instructor Permission.

Discussion of current research and student research presentation in areas of concentration ("clusters"). Prerequisite: Graduate standing in General/Experimental Program.

PSYC 385. Advanced Readings & Research. 1-3 Credits.
Readings, with conferences, to provide graduate students with backgrounds and specialized knowledge relating to an area in which an appropriate course is not offered.

PSYC 391. Master’s Thesis Rsch. 1-18 Credits.

PSYC 395. Special Topics. 0-12 Credits.

PSYC 410. Preliminary Examination. 3 Credits.

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