

## PSYCHOLOGY

<http://www.uvm.edu/~psych/>

### OVERVIEW

The Master of Arts in General/Experimental or Clinical Psychology is aimed at students who wish to pursue a doctorate and want to strengthen their credentials to be competitive for doctoral programs, students who wish to pursue careers that require research skills, or students who wish to gain an understanding of research as it pertains to intervention and prevention.

The Ph.D. program in General/Experimental Psychology admits students in 4 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.

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.

### DEGREES

- Psychology AMP (<http://catalogue.uvm.edu/graduate/psychology/psychologyamp/>)
- Psychology M.A. (<http://catalogue.uvm.edu/graduate/psychology/psychologyma/>)
- Psychology Ph.D. (<http://catalogue.uvm.edu/graduate/psychology/psychologyphd/>)

### FACULTY

**Abaied, Jamie L.;** Associate Professor, Department of Psychological Science; 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; PHD, University of Illinois Urbana-Champaign

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

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

**Cepeda-Benito, Antonio;** Professor, Department of Psychological Science; PHD, Purdue University

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

**Falls, William A.;** Dean, College of Arts and Sciences, Professor, Department of Psychological Science; PHD, Yale University

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

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

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

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

**Green, John Thomas;** Professor, Department of Psychological Science; PHD, Temple University

**Hammack, Sayamwong E.;** Professor, Department of Psychological Science; PHD, University of Colorado

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

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

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

**Hoza, Betsy;** Professor, Department of Psychological Science; PHD, University of Maine

**Hudziak, James Joseph;** Professor, Department of Psychiatry; MD, University of Minnesota Twin Cities

**Kurti, Allison;** Assistant Professor, Department of Psychiatry; PHD, University of Florida

**Lafko Breslend, Nicole;** Research Assistant Professor, Department of Psychological Science; PHD, University of Vermont

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

**Peck, Kelly;** Assistant Professor, Department of Psychiatry; PHD, University of Mississippi

**Pinel, Elizabeth C.;** Professor, Department of Psychological Science; PHD, University of Texas Austin

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

**Price, Matthew;** Associate Professor, Department of Psychological Science; PHD, Georgia State University

**Rawson, Richard;** Research Professor, Department of Psychiatry; PHD, University of Vermont

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

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

**Schermerhorn, Alice C.;** Associate Professor, Department of Psychological Science; PHD, University of Notre Dame

**Shoulberg, Erin K. P.;** Research Assistant Professor, Department of Psychological Science; PHD, University of Vermont

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

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

**Thrailkill, Eric A.;** Research Assistant Professor, Department of Psychological Science; PHD, Utah State University

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

<sup>P</sup> Practitioner-based appointment. Practitioner-based graduate faculty may serve as a member of a master's thesis or doctoral dissertation committee, shall be entitled to one vote on all matters presented to the graduate faculty, and may serve as a graduate program director or coordinator appropriate to their discipline. Practitioner-based graduate faculty shall not serve as chair of a master's thesis or doctoral dissertation committee, or be the primary advisor for a master's thesis or doctoral dissertation.

### Courses

#### **PSYS 211. Learning. 3 Credits.**

Analysis of theory and research on the basic learning process and behavior. Prerequisites: PSYS 053, 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 053 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; PSYS 111 or PSYS 115.

#### **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; PSYS 115 or NSCI 111.

#### **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; PSYS 115 or NSCI 111.

#### **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; PSYS 115 or NSCI 110 or NSCI 111.

#### **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, 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 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, 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, 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, PSYS 170.

#### **PSYS 278. Science of Traumatic Stress. 3 Credits.**

More than 85 percent of adults in the US will experience a traumatic event, yet only a fraction of these individuals will develop conditions such as posttraumatic stress disorder. Explores why this outcome occurs and the clinical skills needed to treat this condition. Prerequisites: PSYS 053, 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 standing only.

#### **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: PSYS 304; Psychology graduate standing.

#### **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: Psychology or Neuroscience graduate standing.

#### **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: PSYS 304; Psychology or Neuroscience graduate standing.

**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: PSYS 304, PSYS 305; Psychology or Neuroscience graduate standing.

**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: PSYS 304, PSYS 305; Psychology graduate standing.

**PSYS 311. Seminar in Learning Theory. 3 Credits.**

Review and analysis of contemporary theories of associative learning. Prerequisite: Psychology or Neuroscience graduate standing; PSYS 315.

**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 or Neuroscience graduate standing; PSYS 315.

**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.

**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; PSYS 315.

**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; PSYS 315.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**PSYS 376. Multicultural Issues Clin Psyc. 3 Credits.**

An advanced, experiential and didactic course with the following objectives: (1) to increase awareness of racial-cultural factors in clinical psychology; (2) to build knowledge of specific reference group identities-such as race, ethnicity, gender, sexual orientation, social class, and religion; and (3) to cultivate culturally-responsive practice through skill development and critical consciousness. Prerequisite: Psychology graduate standing.

**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.

**PSYS 384. Intro Psych Intervention Skill. 0.5 Credits.**

Introduction to basic psychological intervention skills and the integration of these skills in the therapeutic setting. For first-year doctoral students in clinical psychology. May be repeated for credit. Prerequisite: Psychology graduate standing only.

**PSYS 385. Advanced Clinical Practicum. 0 or 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.

**PSYS 389. Internship in Clinical Psyc. 0 Credits.**

Clinical psychology internship experience. Prerequisite: Psychology graduate standing.

**PSYS 391. Master's Thesis Research. 0.5-18 Credits.**

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

**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.

**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.

**PSYS 396. Advanced Special Topics. 0.5-18 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.

**PSYS 496. Advanced Special Topics. 1-18 Credits.**

See Schedule of Courses for specific titles.