

## DEPARTMENT OF PSYCHOLOGICAL SCIENCE

<https://www.uvm.edu/cas/psychology> (<https://www.uvm.edu/cas/psychology/>)

UVM's Department of Psychological Science offers high-quality teaching and training in clinical and experimental psychology, and places an emphasis on research. Programs are arranged in four closely integrated clusters:

- **Biobehavioral Psychology** - The study of the relationship between behavior and biological processes. Research interests include behavioral and neurobiological mechanisms of Pavlovian and instrumental conditioning, stress and anxiety, and sex differences in learning and emotion.
- **Social Psychology** - The study of how the situation (or context) shapes and determines human thought, feeling, and behavior. Research interests include relationships and what makes people feel more or less connected, the experiences of targets of stigma, how to improve intergroup relations, how to foster compassion and prosocial outcomes, and the social psychology of food.
- **Developmental Psychology** - The study of the development of emotions, thoughts, and behaviors, including the interplay between biological and environmental influences. Research interests include family relationships, parental socialization, children's peer relationships, gender development, adaptation to stress, and developmental psychopathology.
- **Clinical Psychology** - The study of psychological distress, its influences, and healthy adaptation. Research interests include adult anxiety and mood disorders and sexual dysfunctions; childhood ADHD, conduct disorder, and family preventions; resiliency in adolescents; and refugee mental health.

The faculty include widely published experts, several holding leadership positions within their professional associations.

### MAJORS

#### PSYCHOLOGICAL SCIENCE MAJORS

Psychological Science B.A. (<http://catalogue.uvm.edu/undergraduate/artsandsciences/psychology/psychologyba/>)

Psychological Science B.S. (<http://catalogue.uvm.edu/undergraduate/artsandsciences/psychology/psychologybs/>)

### MINORS AND CERTIFICATES

#### PSYCHOLOGICAL SCIENCE MINORS AND CERTIFICATES

Physical Activity Promotion in Children and Youth (<http://catalogue.uvm.edu/undergraduate/artsandsciences/psychology/physicalactivitypromotionchildrenyouthcertificate/>) - Undergraduate Certificate

Psychological Science (<http://catalogue.uvm.edu/undergraduate/artsandsciences/psychology/psychologyminor/>)

### GRADUATE

Psychology M.A.

Psychology Ph.D.

See the online Graduate Catalogue (<http://catalogue.uvm.edu/graduate/>) for more information.

#### Courses

##### **PSYS 001. Intro to Psychological Science. 3 Credits.**

Introduction to the entire field, emphasizing the behavior of the normal adult human being.

##### **PSYS 053. Research Methods. 0 or 3 Credits.**

Basic course in principles of research methodology, including design and reporting. Prepares students to understand and evaluate psychological research in a variety of areas of psychology. Prerequisite: PSYS 001.

##### **PSYS 054. Statistics for Psych Sci. 0 or 4 Credits.**

Analysis of quantitative data in psychology. Calculation and interpretation of common statistical tests, including t-test, correlation, regression, chi-square, and ANOVA. Laboratory experiences. Prerequisite: PSYS 053.

##### **PSYS 070. D2:TAP: Meanings of Madness. 3 Credits.**

Students consider the many "meanings of madness" and how psychological science can advance our understanding, prevention and treatment of mental health challenges. Prerequisites: First-time, first-year students only.

##### **PSYS 090. Internship. 1-3 Credits.**

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Will include an in-class component. Offered at department discretion.

##### **PSYS 092. Independent Study. 1-18 Credits.**

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

##### **PSYS 095. Special Topics. 1-18 Credits.**

See Schedule of Courses for specific titles.

##### **PSYS 096. Special Topics. 1-18 Credits.**

See Schedule of Courses for specific titles.

##### **PSYS 107. Intro to Psycholinguistics. 3 Credits.**

Psycholinguistics studies the cognitive processes involved in acquiring, understanding, and producing language. Speech perception, word recognition, and sentence processing are some of the topics covered. Prerequisite: LING 080 or PSYS 001. Cross-listed with: LING 171.

**PSYS 108. Second Language Acquisition. 3 Credits.**

This course explores first language influence, individual cognitive differences, and age in second language acquisition. The role of interaction, socialization, and identity are also considered. Prerequisite: LING 080 or PSYS 001. Cross-listed with: LING 177.

**PSYS 111. Learning, Cognition & Behavior. 3 Credits.**

Behavioral and cognitive principles underlying learning, memory, and action inside and outside the laboratory. Includes conditioning, motivation, biological constraints, and mechanism of remembering and forgetting. Prerequisite: PSYS 001.

**PSYS 115. Biopsychology. 3 Credits.**

Biological bases of behavior: classical and contemporary issues, including introduction to nervous system, behavioral effects of drugs, chemical bases of behavioral disorders. Prerequisites: PSYS 001 or BIOL 001 or BCOR 011 or BCOR 021.

**PSYS 130. Social Psychology. 3 Credits.**

An introduction to theory and research on the science of how one's situation influences individual thoughts, feelings, and behavior. Prerequisite: PSYS 001.

**PSYS 150. Developmental Psych: Childhood. 3 Credits.**

Survey of research and theories on child development from conception to adolescence emphasizing experimental analyses of early social and cognitive development. Prerequisite: PSYS 001.

**PSYS 170. Abnormal Psychology. 3 Credits.**

Describing and defining abnormal behavior; models of etiology; research evidence for biological and social models; methods of intervention and prevention. Prerequisite: PSYS 001.

**PSYS 178. Mentored Clinical Internship. 3 Credits.**

Clinical internship placement for two semesters (6 credits). Every effort will be made to assist students in finding a placement that fits their interests. A weekly seminar will offer an opportunity for all interns to share experiences and learn the importance of ethics and confidentiality. Prerequisites: PSYS 053, PSYS 054; Senior standing; Instructor permission; Juniors may qualify if space is available.

**PSYS 190. Internship. 1-18 Credits.**

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Will include an in-class component. Offered at department discretion.

**PSYS 191. Teaching Assistantship. 1-3 Credits.**

Undergraduate student service as a teaching assistant, usually in an introductory level course in the discipline, for which credit is awarded. Offered at department discretion. Prerequisite: Instructor permission.

**PSYS 195. Intermediate Special Topics. 1-18 Credits.**

Intermediate courses or seminars on topics beyond the scope of existing departmental offerings. See Schedule of Courses for specific titles. Prerequisite: PSYS 001.

**PSYS 196. Intermediate Special Topics. 1-18 Credits.**

Intermediate courses or seminars on topics beyond the scope of existing departmental offerings. See Schedule of Courses for specific titles. Prerequisite: PSYS 001.

**PSYS 197. Independent Study. 1-18 Credits.**

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion. Prerequisite: Instructor permission.

**PSYS 198. Undergraduate Research. 1-18 Credits.**

Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion. Prerequisite: Instructor permission.

**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 214. Adv Cognitive Neuroscience. 3 Credits.**

Cognitive Neuroscience studies thinking processes (e.g., attention, memory, problem solving) by investigating brain function. Focuses on dominant theories and relevant empirical data including a focus on non-invasive brain imaging of humans. Prerequisites: PSYS 053; PSYS 111 or PSYS 115 or NSCI 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; 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 220. Behavioral Genetics. 3 Credits.**

Students will gain conceptual understanding of the contributions of genes, environments, and the interplay of these and other factors, to various behaviors. Addresses variety of approaches to behavioral genetics research, including family and twin studies, animal studies, genome-wide association studies and the candidate gene approach. Prerequisite: (PSYS 053, PSYS 115) or NSCI 111 or BIOL 001 or BCOR 011.

**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 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, 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 251. D1:Race in American Youth. 3 Credits.**

An overview of how race and ethnicity relate to youth development, ranging from infancy to adolescence. Explores how youths' racial attitudes, beliefs, identity, and interactions develop, as well as ways that race and ethnicity influence the pathways youth take in American society. Prerequisites: PSYS 001, PSYS 053, PSYS 150.

**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 255. Psychology of Gender. 3 Credits.**

Examines psychological theories, methods, and research about gender. Explores social, situational, individual, and biological explanations of gender similarities and differences and their 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 259. Psychology of Families. 3 Credits.**

An introduction to the theory and research in the study of families. Topics include dating, mate selection, adult attachment, marriage, parenting, divorce, single parenting, remarriage, and issues pertaining to race, ethnicity, and culture. Prerequisites: PSYS 053; and PSYS 150 or PSYS 170.

**PSYS 268. Fit Kids Applied Research. 0 or 3 Credits.**

Covers the science and practice of using structured physical activity to promote better school readiness, performance, and adjustment in young children. Students will learn how to implement age-appropriate physical activity in the context of a combined service learning/research experience. Prerequisites: PSYS 001 or EDSP 005 or EDEC 001; Junior Standing; Instructor Permission.

**PSYS 269. Fit Kids: Special Populations. 3 Credits.**

Examines how physical activity (PA) may assist in managing symptoms of attention-deficit/hyperactivity disorder and other common conditions such as anxiety, depression, and autism. Students spend one hour/week in the UVM classroom with remaining time spent implementing PA in educational settings. Prerequisites: PSYS 001 or EDSP 005 or EDEC 001; Instructor permission.

**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 279. Intro to Health Psychology. 3 Credits.**

Psychology of the cause, treatment, and prevention of physical illness and disability. Topics include: stress, health behavior, medical compliance, patient-provider relationships, coping with illness. Prerequisites: PSYS 053, PSYS 170.

**PSYS 281. Advanced Fit Kids: Applied Res. 0 or 3 Credits.**

Mentorship and close supervision for advanced students serving as on-site supervisors for a structured physical activity curriculum in local schools. Also provides in-depth critical discussion of research on use of physical activity to promote school adaptation. Prerequisites: PSYS 268 or PSYS 269; Instructor permission.

**PSYS 282. Adv Fit Kids: Spec Populations. 3 Credits.**

Provides mentorship and close supervision to advanced students serving as on-site supervisors for a structured physical activity curriculum in early childhood classrooms. Also provides in-depth critical discussion of research on the effects of physical activity on symptoms of mental health disorders in children and adolescence. Prerequisite: PSYS 268 or PSYS 269.

**PSYS 290. Internship. 1-18 Credits.**

On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Will include an in-class component.

**PSYS 291. Teaching Assistantship. 1-3 Credits.**

Undergraduate student service as a teaching assistant, usually in an introductory level course in the discipline, for which credit is awarded. Offered at department discretion.

**PSYS 295. Advanced Special Topics. 1-18 Credits.**

See Schedule of Courses for specific titles. Prerequisites: PSYS 053; and PSYS 111 or PSYS 115 or PSYS 130 or PSYS 150 or PSYS 170.

**PSYS 296. Advanced Special Topics. 1-18 Credits.**

See Schedule of Courses for specific titles. Prerequisites: PSYS 053; and PSYS 111 or PSYS 115 or PSYS 130 or PSYS 150 or PSYS 170.

**PSYS 297. Independent Study. 1-18 Credits.**

A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

**PSYS 298. Undergraduate Research. 1-18 Credits.**

Undergraduate student work on individual or small research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.