

DEPARTMENT OF PSYCHOLOGY

Psychologists study phenomena such as behavior, emotions, cognitions and interactions from many perspectives. Given the diversity of ways of investigating psychological phenomena, students in both psychology and behavioral neuroscience study the discipline from several vantage points, including the biological, cognitive, social, developmental and scientist-practitioner perspectives. In this way, students come to appreciate the complexity of the field.

In both majors, the BS in Psychology and the BS in Behavioral Neuroscience, the department offers preparation for admission to graduate and professional schools and employment after graduation. Students are encouraged to engage with their learning in various ways, both in the classroom and in co-curricular activities, such as internships, independent study and/or by concentrating their studies in a particular area of psychology. They learn to design and conduct research, analyze data using statistical software and use academic search engines. Students learn the importance of first impressions and how to behave professionally. They also learn how to be self-disciplined; all seniors complete a substantial piece of scholarly work in which they demonstrate their understanding of the science of psychology or behavioral neuroscience and how these areas are connected with other areas of inquiry.

The mission of the Department of Psychology is to introduce students to the broad field of scientific psychology while offering them an education in the true liberal arts tradition. The psychology faculty members are committed to helping students become more sophisticated readers of scientific texts, more effective writers and more articulate speakers. These skills are linked to the development of critical thinking, a primary goal of the faculty. Courses require students to read primary research publications, to write in expository style and to speak their minds. Students engage in these activities as a way to learn about different kinds of research and about competing theories. The psychology program is designed to produce independent thinkers and lifelong learners.

- Bachelor of Science in Psychology (<http://catalog.qu.edu/arts-sciences/psychology/psychology-bs/>)
- Bachelor of Science in Behavioral Neuroscience (<http://catalog.qu.edu/arts-sciences/psychology/behavioral-neuroscience-bs/>)
 - Pre-Medical Studies (<http://catalog.qu.edu/academics/premedical-studies/>)
- Minor in Psychology (<http://catalog.qu.edu/arts-sciences/psychology/psychology-minor/>)

Psychology (PS)

PS 101. Introduction to Psychology. 3 Credits.

Students are introduced to the background and breadth of contemporary psychological science. Five perspectives on the study of psychology form the basis for topics within the course, these include the biological, cognitive, social, developmental and scientist-practitioner perspectives. The course emphasizes psychology's philosophical origins, its research methods, and the relationship of the discipline of psychology with other areas of inquiry. A minimum grade of C- is required in this course to advance to any 200-level PS course.

Offered: Every year, All

UC: Social Sciences

PS 199. Independent Study. 1 Credit.

PS 200. Special Topics in Psychology. 3 Credits.

Offered in response to special demands and conditions. See current announcements at time of registration (available on request at psychology department office).

Prerequisites: Take PS 101; Minimum grade C- or transfer credit.

Offered: As needed

PS 206. Introduction to Statistics in Psychology. 3 Credits.

This course covers statistical concepts and procedures as they apply to psychology. Students learn to perform statistical tests using both calculators and SPSS. Topics include: descriptive statistics, Z scores, t-tests, chi-square, correlation and analysis of variance. For Psychology and Behavioral Neuroscience majors only. Minimum grade of C- is required to pass.

Prerequisites: Take PS 101; Minimum grade C- or transfer credit; and MA 110, MA 140, MA 141, MA 151 or MA 170.

Offered: Every year, Fall and Spring

PS 210. Human Sexuality (WGS 210). 3 Credits.

This course focuses on human sexuality, including the physiological, psychological and social aspects of sexuality. Students are encouraged to consider diverse perspectives, e.g., in sexual orientation, experiences, beliefs and behaviors. Additional course topics include: domestic violence, abuse, sexual assault and harassment.

Prerequisites: Take PS 101; Minimum grade C- or transfer credit.

Offered: Every year, Fall and Spring

UC: Social Sciences, Intercultural Understand

PS 232. The Concept of Personality and Its Development. 3 Credits.

Personality is viewed from a variety of perspectives, including theories of its formation, social functioning and human evolution. Certain theories are examined, as are philosophical implications underlying diverse models of the nature of personality.

Prerequisites: Take PS 101; Minimum grade C- or transfer credit.

Offered: Every year, All

UC: Social Sciences

PS 233. Cognitive Psychology. 3 Credits.

Cognition is studied from a multi-method perspective with an emphasis on information-processing. Topics include models of memory, memory distortion, perception, expertise, cognitive neuroscience, imagery, problem solving, language and cognitive development. The interrelationship between applied and basic research is emphasized.

Prerequisites: Take PS 101; Minimum grade C- or transfer credit.

Offered: Every year, Fall and Spring

- PS 234. Adult Development & Aging (gt 234).** **3 Credits.**
Facts, theory and current issues in adult development and aging are covered in this course, which focuses on physical, cognitive and psychosocial development as well as family and career patterns.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: Every year, Fall and Spring
UC: Social Sciences
- PS 236. Child and Adolescent Development.** **3 Credits.**
Prenatal period, infancy, early childhood, middle childhood and adolescence are surveyed in terms of an individual's physical, cognitive and social/emotional development. Students learn about the major theories and research methods used by developmental psychologists. Results of research studies are used to think about real-world applications.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: Every year, Fall and Spring
UC: Social Sciences
- PS 242. School Psychology.** **3 Credits.**
Theoretical and pragmatic concerns of the school psychologist are considered. Topics include child development, psychoeducational assessment, applied behavior analysis, special education legislation, and the role of the public schools as a social institution. Identification and treatments of various school-related exceptionalities such as learning and intellectual disabilities, speech and language disorders, autism, ADHD and giftedness are investigated.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: As needed
- PS 244. Psychology of Prejudice.** **3 Credits.**
This course presents an analysis of intergroup discrimination and prejudice. The focus is on group and individual determinants of factors that produce this social phenomenon. Insights from disciplines of history, economics and sociology are included, as well as an overview of the successes and failures of the theories and programs to reduce prejudice.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: As needed
UC: Social Sciences, Intercultural Understand
- PS 251. Introduction to Conditioning and Learning.** **3 Credits.**
This course introduces students to the history, philosophical bases and contemporary issues in respondent and operant conditioning in particular and in learning in general. It surveys current applications of basic theory and research including behavior modification, and examines the social controversy generated by applications.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: As needed
- PS 252. Physiological Psychology.** **3 Credits.**
This course is an introduction to the interactions between biological and psychological processing that are the basis for emotion, cognition and behavior. Topics include research methods, brain structure and function, neural plasticity, sleep, learning, memory, reproduction, drug action, sensation, perception and psychological disorders.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: Every year, All
- PS 261. Social Psychology.** **3 Credits.**
This course examines the effect of social forces on the individual, and the role of the situational context in human behavior. Topics include attitudes and behavior, issues in social cognition, attributions, helping behavior, interpersonal relationships, group dynamics, aggression, stereotypes, cross-cultural psychology, and aspects of social psychology and law.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: Every year, Fall and Spring
UC: Social Sciences
- PS 262. Psychology of Women and Gender (WGS 262).** **3 Credits.**
In this course, students examine the complexity of gendered experiences from a psychological science perspective and explore the research regarding gender differences and gender relations. Many approaches are taken to understand gender, including biological, social, evolutionary, cognitive and cultural points of view. The goal is for students to appreciate the complexities of gender and to challenge one's assumptions and judgments about gender.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: Every year, Fall
UC: Social Sciences, Intercultural Understand
- PS 265. Industrial-Organizational Psychology.** **3 Credits.**
This course takes a scientist-practitioner perspective in psychology to examine the application of psychological principles and practices to business, industrial and organizational settings. The course explores the ways Industrial-Organizational (I-O) psychologists study and develop evidence-based interventions for such issues as job analysis, personnel selection, training, performance appraisal, employee attitudes, worker motivation, occupational stress and health, leadership, teams and organizational development.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: Every year, All
UC: Social Sciences
- PS 272. Abnormal Psychology.** **3 Credits.**
Causes, description and classifications of abnormal behavior and "mental illness" are explored, along with theories of psychopathology. Both historical and contemporary approaches to understanding mental health problems and their treatment are examined, with an emphasis on evidence-based approaches to mental health care.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: Every year, All
UC: Social Sciences
- PS 272H. Honors Abnormal Psychology.** **3 Credits.**
Causes, description and classifications of abnormal behavior and "mental illness" are explored, along with theories of psychopathology. Both historical and contemporary approaches to understanding mental health problems and their treatment are examined, with an emphasis on evidence-based approaches to mental health care.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: As needed
- PS 283. Introduction to Forensic Psychology.** **3 Credits.**
Students learn about both the theoretical and applied components to the field of forensic psychology. The theoretical aspect of the course addresses criminality from a psychological perspective by examining theories of aggression, for example. Applied sections of the course explore the intersection of psychology and the legal system as well as crime scene behavioral analysis and offender profiling.
Prerequisites: Take PS 101; Minimum grade C- or transfer credit.
Offered: As needed

PS 284. LGBTQ Identities and Communities (SO/WGS 284). 3 Credits.

This course explores the social, socioeconomic, historical, psychological, and political factors that have contributed to our understanding of what it means to be gay, lesbian, bisexual, transgender, or queer (LGBTQ).

Psychological research on identity development, the social construction of identity, and the psychological, social, and political benefits associated with "identifying" as LGBTQ, are discussed. The course explores historical events that led to the development of LGBTQ communities and the benefits of being involved in these communities, including the positive impact of allies. Finally, the course explores the positive and negative effects of the LGBTQ community becoming more mainstream.

Prerequisites: Take PS 101; Minimum grade C- or transfer credit.

Offered: As needed

UC: Social Sciences, Intercultural Understand

PS 290. The Psychology of Self-Improvement: Popular and Scientific Perspectives. 3 Credits.

This course provides an introduction to the popular and scientific psychological literature related to self-improvement. Students learn about important concepts such as mindset, grit, goal-setting, procrastination, as well aspects of health psychology (e.g., sleep, nutrition, and exercise) and the importance of social relationships. Students also gain a greater facility with reading and critically evaluating different types of literature and navigating conflicting claims of self-improvement.

Prerequisites: Take PS 101; Minimum grade C- or transfer credit.

Offered: As needed

PS 299. Independent Study in Psychology. 1-6 Credits.

Prerequisites: Take PS 101; Minimum grade C- or transfer credit.

Offered: As needed

PS 300. Special Topics in Psychology. 3 Credits.

Offered in response to special demands and conditions. See current announcements at time of registration (available on request at psychology department office).

Prerequisites: Take two courses from psychology.

Offered: As needed

PS 307. Introduction to Research Methods in Psychology with Lab. 4 Credits.

This course provides an introduction to the tools, methods and findings of classic and contemporary experimental and non-experimental psychology. Topics include logical reasoning, statistical inference, research ethics, research design and APA style report writing. Course includes both lecture and lab components. For Psychology and Behavioral Neuroscience majors. Minimum grade of C- is required to pass.

Prerequisites: Take PS 206; Minimum grade C-.

Offered: Every year, Fall and Spring

PS 308. Advanced Research Methods in Psychology with Lab. 4 Credits.

This course builds on the statistical analyses, experimental methods and nonexperimental methods learned in PS 206 and PS 307. Each section focuses on a different area of study in psychology or neuroscience. Students design, conduct and formally present a major piece of psychological research, including statistical analysis, on a topic in that research area. Course includes both lecture and lab components. For Psychology and Behavioral Neuroscience majors only. Minimum grade of C- is required to pass.

Prerequisites: Take PS 307; Minimum grade C-.

Offered: Every year, Fall and Spring

PS 309. History of Psychology. 3 Credits.

This is a course for advanced psychology majors. It covers philosophies dating back to ancient Greece. Participants review the history of scientific thought and of brain science. They trace the emergence of the science of psychology and the development of different systems of thought or theoretical perspectives within psychology. Students compare and contrast psychological perspectives in terms of how they have both deepened and limited our understanding. This course is taken in the senior year.

Prerequisites: Take PS 307.

Offered: As needed

PS 320. Psychology of Sport and Exercise (SPS 320). 3 Credits.

This course provides an overview of psychological research related to sport and exercise. Topics from a variety of perspectives within psychology are covered, including personality, motivation, group dynamics, concentration and health and well-being. The course emphasizes the importance of a thorough understanding of underlying theoretical concepts as well as practical applications to teaching, coaching and one's personal exercise regimen.

Prerequisites: Take two courses from psychology.

Offered: Every other year, Fall

PS 325. Health Psychology. 3 Credits.

The application and contribution of psychological research and practice to the promotion and maintenance of health and the prevention and treatment of illness are explored. Topics covered include stress and illness, psychological aspects of pain, management of chronic and terminal illness, obesity, smoking and other addictive behaviors, sleep disturbances, personality factors in illness and patient-practitioner interaction.

Prerequisites: Take one 200-level psychology course.

Offered: As needed

PS 333. Applied Cognition. 3 Credits.

Through hands-on projects and active engagement, students learn how principles of cognitive psychology are applied in the modern workforce. Some of the topics explored include consumer psychology and behavioral design, human factors and ergonomics, and data science. By applying cognitive principles to real-world problems, students gain a deeper understanding of cognitive findings and theories and learn about the opportunities and necessary skills for pursuing a career related to cognitive psychology.

Prerequisites: Take PS 233.

Offered: As needed

PS 353. Research Methods in Behavioral Neuroscience. 3 Credits.

This course provides a comprehensive view of biological and physiological psychology and the methods utilized in behavioral neuroscience research. Topics may include measurement and techniques of animal behavior, ethics and guidelines associated with neuroscience research, logic of experimental design, immunohistochemistry, ELISA, neurophysiology, gross anatomy and scientific presentation skills. This is a recommended course for behavioral neuroscience majors and gives students a background to succeed in research endeavors. A minimum grade of C- is required to pass this course.

Prerequisites: Take PS 252; and PS 307 or BIO 298.

Offered: Every year, Fall

- PS 354. Sensation and Perception. 3 Credits.**
This course considers the sensory systems as gateways to the mind. Psychological mechanisms of vision, audition, taste, smell, pain and other senses are explored, as well as the psychophysics, anatomy and physiology of these sensory systems.
Prerequisites: Take PS 233 or PS 252.
Offered: Every year, Fall
- PS 355. Advanced Psychology of Learning. 4 Credits.**
This course presents an advanced study of the history, philosophical bases and contemporary issues in respondent and operant conditioning in particular, and in learning in general; a survey of current applications of basic theory and research including behavior modification; and examination of the social controversy generated by such applications. Lab accompanies the course.
Prerequisites: Take one 200-level psychology course.
Offered: As needed
- PS 355L. Psychology of Learning Lab. 0 Credits.**
Lab to accompany PS 355.
Offered: As needed
- PS 357. Drugs, Brain and Behavior. 3 Credits.**
This course introduces students to the effects and mechanisms of action of psychoactive drugs. Drugs used in the treatment of psychological disorders as well as drugs of abuse are covered. In addition to describing basic principles of neuropharmacology, the course covers theories of tolerance, dependence and abuse in depth. Pharmacotherapy for substance abuse and major mental disorders is described from both a biological and clinical perspective. A minimum grade of C- in PS 252 is required to take this course.
Prerequisites: Take PS 252; Minimum grade C-.
Offered: Every year, Spring
- PS 359. Psychology Elective. 3 Credits.**
- PS 366. Advanced Personnel Psychology. 3 Credits.**
This course presents an in-depth exploration of the traditional ideas and innovations of industrial psychology. Topics include, but are not limited to: recruitment and selection of employees, development and implementation of performance appraisal systems, issues involved in training employees, employment law and labor-management relations.
Prerequisites: Take PS 265.
Offered: As needed
- PS 367. Advanced Organizational Psychology. 3 Credits.**
The history and new developments within organizational psychology are examined closely. Topics include, but are not limited to: organizational theory, research and theories of leadership, leadership development, motivating employees, job attitudes, teamwork, work-family balance and workplace stress.
Prerequisites: Take PS 265.
Offered: As needed
- PS 368. Occupational Health Psychology. 3 Credits.**
This course explores the history and development of research and practice in the field of occupational health psychology. Topics include, but are not limited to, stress theories and models, specific stressors and strains, safety, employee health and well-being, work schedules, the work/non-work interface and occupational health interventions.
Prerequisites: Take PS 265.
Offered: As needed
- PS 371. Clinical Psychology. 3 Credits.**
The principles and practices of clinical psychology are introduced. The course includes a review of legal-ethical issues and the training of clinical psychologists. The course focuses on methods of clinical assessment and the practice of psychotherapy, including extensive use of case studies.
Prerequisites: Take PS 272.
Offered: Every year, Spring
- PS 372. Child Psychopathology. 3 Credits.**
This course provides students with an understanding of child and adolescent problems within the framework of developmental and child clinical psychology. Theoretical and methodological issues are addressed early in the course. Thereafter, the nature, etiology and treatment of a wide range of psychological disorders affecting children from infancy through adolescence is examined.
Prerequisites: Take PS 272.
Offered: As needed
- PS 373. Positive Psychology. 3 Credits.**
This course reviews and evaluates recent developments in positive psychology. Historical foundations are discussed, including the work of William James and Abraham Maslow. Research on resilience, positive coping and post-traumatic growth are covered, as well as topics such as gratitude, forgiveness, compassion, happiness and mindful meditation.
Prerequisites: Take PS 272.
Offered: As needed
- PS 383. Psychology and the Law. 3 Credits.**
Psychological science offers much in understanding and reforming our legal system with empirical research regarding criminal investigations, trials, and the punishment and rehabilitation of adults and adolescents. The course explores police interrogations; the myth of deception detection; false confessions; eyewitness identifications and testimony; pseudoscientific and scientific forensic testing; judicial and jury decision making; and adolescent experiences in facilities.
Prerequisites: Take two psychology courses.
Offered: As needed
- PS 391. Applied Clinical Science Seminar (SL: Service Learning). 3 Credits.**
For psychology majors in the applied clinical science concentration only. Professional, theoretical, clinical and ethical issues related to each student's fieldwork experience represent the content of the course. Students are simultaneously registered in PS 393.
Prerequisites: Take PS 371.
Offered: Every year, Fall
- PS 393. Fieldwork in Applied Clinical Science (SL: Service Learning). 3 Credits.**
For Psychology majors in the applied clinical science concentration only. Students are placed in a community service agency to gain supervised experience in applied clinical programs. Placements total a minimum of 120 hours during the semester, and may include youth counseling agencies, rehabilitation services, mental health clinics, research sites, centers for people with mental retardation, psychiatric hospitals, schools for special populations and others. Due to a commitment of services to clients or patients, particularly strict standards of attendance and responsibility are maintained. PS 393 is taken in conjunction with PS 391. All students in PS 393 must plan to take PS 394 in the spring semester. This course is graded pass/fail.
Prerequisites: Take PS 371.
Offered: Every year, Fall

PS 394. Fieldwork in Applied Clinical Science (SL: Service Learning). 3 Credits.

For psychology majors in the applied clinical science concentration only. Students are placed in a community service agency to gain supervised experience in applied clinical programs. Placements total a minimum of 120 hours during the semester, may include youth counseling agencies, rehabilitation services, mental health clinics, research sites, centers for people with mental retardation, psychiatric hospitals, schools for special populations and others. Due to a service commitment to clients or patients, particularly strict standards of attendance and responsibility are maintained. This course is graded pass/fail.

Prerequisites: Take PS 391, PS 393.

Offered: Every year, Spring

PS 397. Fieldwork in Industrial/Organizational Psychology. 3 Credits.

For psychology majors in the industrial-organizational concentration only. Students are placed in a corporation or consulting firm under the supervision of an industrial-organizational psychologist or HR manager. A minimum of 120 hours of work is required. Due to a commitment to professionalism, particularly strict standards of attendance and responsibility are maintained. This course is graded on a pass/fail basis.

Offered: As needed

PS 399. Independent Study in Psychology. 1-6 Credits.

Pursuit in depth of a specific topic or area. Topics and expected outcome must be specified in advance, groups interested in the same topic may meet together.

Offered: As needed

PS 401. Integrative Capstone for Psychology and Behavioral Neuroscience Majors. 3 Credits.

This seminar is the capstone course for Psychology and Behavioral Neuroscience seniors only. It consists of extensive readings of original research, theory and history on a topic selected by the student under the guidance of the professor. A senior thesis, written according to departmental standards, is a central part of the requirement. As a capstone course, this course must be taken as a seminar during the academic year and cannot be taken as a tutorial. Most sections are offered in the spring. Senior standing required. This course counts as the university's Integrative Capstone requirement for PS and BNS majors.

Prerequisites: Take PS 308 or PS 353; Minimum grade C-.

Offered: Every year, Fall and Spring

PS 409. Senior Seminar in Psychology. 3 Credits.

This seminar is the capstone course for psychology seniors only. It consists of extensive readings of original research and theory on a topic selected by the student under the guidance of the professor. A senior thesis, written according to departmental standards, is a central part of the requirement. As a capstone course, this course must be taken as a seminar during the academic year and cannot be taken as a tutorial. Most sections are offered in the spring. Senior standing required.

Prerequisites: Take PS 308 or PS 353.

Offered: As needed

PS 499. Independent Study in Psychology. 1-6 Credits.

Same as PS 399 but on the senior level. Topic and objective must be specified in advance. Students limited to a maximum of six hours of independent study per year, unless warranted by exceptional circumstances.

Prerequisites: Take PS 307, PS 308.

Offered: As needed, All